

PROGETTO ESECUTIVO

STUDIO TECNICO

PROGETTAZIONE E CONSULENZE
IMPIANTI ELETTRICI E PREVENZIONE INCENDI

Per. Ind. SIMONE CECCATO

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Oggetto

PROGETTO IMPIANTO ELETTRICO ILLUMINAZIONE ESTERNA
AREA DI PROCESSO E DI COMPOSTAGGIO

Elaborato

ALLEGATO 1 - RELAZIONE ILLUMINOTECNICA
SCHEDE TECNICHE APPARECCHI ILLUMINANTI

Cliente

Pellizzon Agriservice S.n.c.
Via Boschi 10
30030 Martellago (VE)

Ubicazione

Via Boschi 10
30030 Martellago (VE)

Firma e timbro



Firma committente

									Sigla elaborato
									A.1-R.IL
0	PRIMA EMISSIONE				29/12/2025		S.C.		
REV.		MODIFICA			DATA		FIRMA	SCALA	—
DATA	29/12/2025	ESEG.	S.C.	VISTO	F.S.	APPR.	S.C.	File	1661_ESE_A.1-R.IL-R0

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CITTA METROPOLITANA DI VENEZIA
Protocollo Arrivo N. 2821/2026 del 19-01-2026
Allegato 1 - Class. 12.8.0 - Copia Del Documento Firmato digitalmente



UniStreet gen2 Mini

BGP282 LED135-4S/730 II DW50

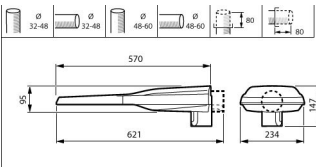
Introduzione

Progettato per rendere la tecnologia LED disponibile a tutti, UniStreet gen2 rappresenta l'apparecchio ideale per sostituire 1 a 1 i vecchi apparecchi a scarica e per i progetti di rinnovamento delle amministrazioni comunali. Grazie all'elevata efficienza e al costo ridotto, UniStreet gen2 garantisce un rapido ritorno dell'investimento e un significativo risparmio energetico. Garantisce facilità di installazione e manutenzione grazie al sistema Signify Service Tag. Le versioni con connettore SR / ZD4i lo rendono pronto alle future applicazioni; è possibile utilizzarlo in combinazione a soluzioni di controllo della luce come Interact City. UniStreet gen2 rappresenta la soluzione ideale per la sostituzione degli apparecchi convenzionali, grazie alla disponibilità di svariate ottiche e pacchetti lumen standard, che possono essere ulteriormente personalizzati in base alle specifiche necessità e su progetto, fornendo una elevata flessibilità. UniStreet gen2 è disponibile in 4 taglie, per essere in grado di coprire qualsiasi applicazione stradale, è progettato con materiali di alta qualità e può inoltre essere completamente smontato, disassemblato e smaltito con facilità, al termine del ciclo di vita.

Informazioni di prodotto

Codice Famiglia Prodotto	BGP282								
Caratteristiche meccaniche e dimensionali									
Materiale del corpo		Alluminio pressofuso							
Materiale ottica		Polimetilmetacrilato							
Materiale copertura ottica/lenti		Vetro							
Materiale elementi di fissaggio		Alluminio							
Grado di protezione		IP66							
Resistenza impatto		IK09							
Resistenza alla corrosione		Test nebbia salina 500 ore per le versioni standard, 1000 ore con opzione Marine Salt Protection (MSP)							
Certificazioni									
Marchio CE		Sì							
Marchio ENEC		Marchio ENEC plus							
Marchio RoHS		Sì							
Marchio WEEE		Yes							
Classe di protezione IEC		II							
Manutenzione									
Periodo di garanzia		5 anni							
Grado di manutenzione		Apparecchio per illuminazione di Classe A dotato di parti sostituibili e riparabili dall'utente (quando applicabile): piastra LED, driver, unità di controllo, dispositivo di protezione da sovratensioni, ottiche, copertura frontale e parti meccaniche							
Sorgente luminosa sostituibile		Sì							
Intervallo temperatura ambientale operativa Tamb		Da -40 a +50 °C							
Temperatura ambiente performance (Tq)		25 °C							
Fattore L mantenimento del flusso		L95							
Durata di vita		100000 h							
Tasso di guasto unità alimentazione alla durata di vita media 100.000 ore		10%							
Protezione alle sovratensioni		6kV in modo comune o modo differenziale come standard, 10kV con opzione SPD							
IPEA - Classificazione Energetica									
Stradale		Grandi aree		Historical centers		Aree verdi		Aree pedonali, Ciclabili	
IPEA	Classe	IPEA	Classe	IPEA	Classe	IPEA	Classe	IPEA	Classe
1.53	A4+	1.82	A7+	1.96	A8+	1.5	A3+	1.5	A3+

Disegno dimensionale



Superficie proiettata di esposizione al vento	m ²
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Report illuminotecnico

Driver

Descrizione	Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt
12NC	929002873206
Numero di driver	1
Numero di driver per MCB 16A	10
Corrente di spunto	47 A
Intervallo di spunto	250 µs
Tensione di ingresso	220V-240V
Frequenza di ingresso	50/60 Hz
Corrente	708 mA
Potenza sistema (minima)	86 W
Potenza sistema (massima)	86 W
Potenza sistema (media)	86 W
Tolleranza potenza assorbita	+/-10%
Fattore di potenza (100%)	0.99
Fattore di potenza (50%)	0.98
Connettività	No connectivity
Regolazione	Dynadimmer DDF1A

Modulo LED

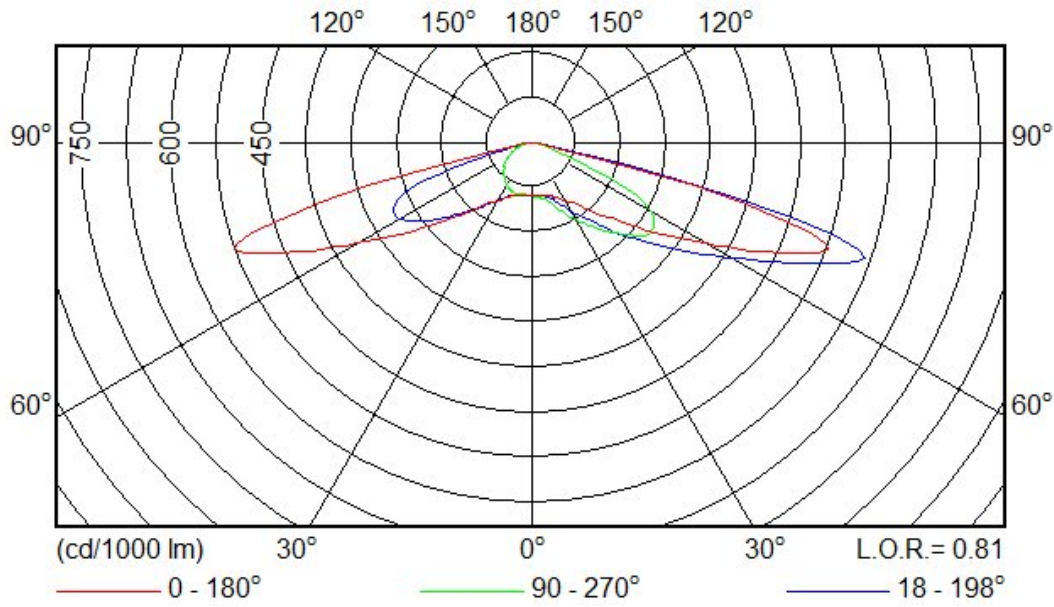
Modulo LED tipo	LED
Numero di LED	40
Efficienza iniziale LED (sorgente)	157 lm/W
Efficienza iniziale apparecchio LED (sistema)	127 lm/W
Colorazione sorgente	730 (Warm White)
Indice resa cromatica (CRI) iniziale	70
Tolleranza CRI iniziale	+/-2
Temperatura di colore correl. Iniziale	3000 K
Tolleranza iniziale	+/- 120 K (5 SDCM)
Tolleranza a fine vita	+/- 165 K
Flusso luminoso iniziale (sorgente)	13500 lm
Tolleranza sul flusso luminoso	+/-7%
Flusso luminoso iniziale (sistema)	10935 lm
Rischio fotobiologico	Gruppo di rischio 0 (esente) in accordo a EN IEC 62471

Ottiche

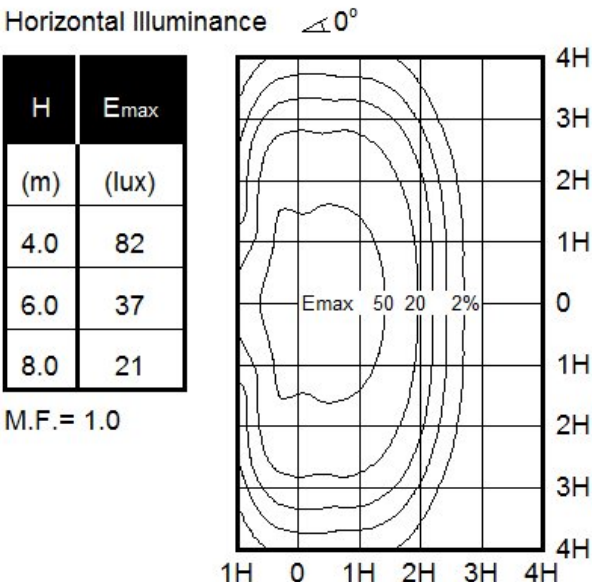
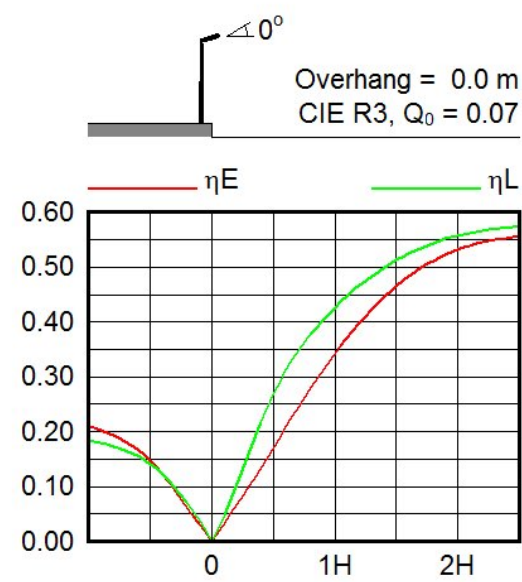
Configurazione ottica	DW50
LOR	0.81
ULR a tilt=0°	0.00%
G* a tilt=0°	G*3
Imax (a 90° e superiore)	0 cd/klm
Codice CIE	23 59 98 100 81

Grafico fotometrico

Polar intensity diagram



Utilisation factor curve and luminance yield diagram Relative isolux diagram



Informazioni e certificazioni laboratorio

Informazioni laboratorio

Test standards

EN 13032-4:2015	Luce e illuminazione. Misurazione e presentazione dei dati fotometrici di lampade e apparecchi di illuminazione. Parte 4: Lampade LED, moduli e apparecchi.
EN 13032-1:2014	Luce e illuminazione. Misurazione e presentazione dei dati fotometrici di lampade e apparecchi di illuminazione. Parte 1: Misurazione e formato di file.
IEC 62717:2014+AMD1:2015	LED modules for general lighting - performance requirements
IES LM-79-08	IES Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products
IEC / EN 62722-1:2014	Luminaire performance - Part 1: General requirements
IEC / EN 62722-2-1:2014	Luminaire performance - Part 2-1: Particular requirements for LED luminaires

Strumenti di misura

LMT GO-DS 2000 Goniometer (C/G)	☐
Yokogawa WT3000 power analyzer	☐
Chroma 6415 programmable AC source	☐
Agilent 6675A system DC power supply	☐
Integrating sphere U-101-A	☐
EM TEST NetWave3 AC/DC source	☐
FLUKE Norma 4000 power analyzer	☐
Sonopan L-100 luxmeter	☐
Gigahertz X1-3 hazard lightmeter	☐
Gigahertz XD-45-HB-4 head	☐
Gigahertz XD-45-HUV-4 head	☐

INCERTEZZA DI MISURA

Tipo di test	Errore di misura
Flusso luminoso	+/- 2.2 %
Potenza	+/- 0.5 %
Imax	+/- 2.2 %
Angolo di I _{max}	+/- 0.1°
Temperatura ambiente 0-50°C	+/- 0.1°C

Signed-off by
Dariusz Pierzchanowski

DICHIARAZIONE: Questo rapporto fotometrico è compilato sulla base di misurazioni reali eseguite nei laboratori Signify durante lo sviluppo e rilascio di nuovi prodotti, dati di calcolo estratti dal database PPS basato sul web e da dati interni.



Łukasiewicz
IMiF

Łukasiewicz – IMiF Oddział PREDOM
Centrum Badań i Certyfikacji
02-255 Warszawa, ul. Krakowiaków 53



Predom®
certifications

CERTIFICATE OF ACCEPTANCE

Customer's Testing Facility CTF-Stage 3 / E-CTF – Stage 3

Ref. No. 1/CTF/01/25

It is hereby confirmed that the
Laboratory of Quality

Signify Poland Sp. z o.o. O/Kętrzyn
ul. Chrobrego 8, 11-400 Kętrzyn
Poland

is authorized by Łukasiewicz- IMiF PREDOM Division to perform testing
for the certification body Łukasiewicz- IMiF PREDOM Division
in the framework of
ENEC, ENEC+, CCA agreements, IECEE CB Scheme and national certification
for the products and standards as referred to the CTF Assessment Report
No. IECEE-AA /113/Ł-IMiF PREDOM Division and under conditions as mentioned in the
Contract No. SMT/01/12 dated 10.10.2012
This procedure is fully in accordance with the following operational documents

IECEE OD-2048
OD ECS 032

The technical competence of the laboratory
has been checked according to
EN ISO/IEC 17025:2017

the proof has been given in the assessment carried out by Łukasiewicz- IMiF PREDOM Division
This certificate is valid if the laboratory observes the requirements of the above-mentioned standard and Operational Documents
and under conditions of Contract No. SMT/01/12 dated 10.10.2012

This certificate is valid until: **2026-06-26**



Signed by /
Podpisano przez:

Paweł Andrzej
Oziębło

Date / Data: 2025-
06-26 10:06

Manager of Certification Office



Warsaw, 2025.06.26

IECEE CTF Program
This Certificate Of Acceptance confirms the participation of the above mentioned laboratory in the CTF program of IECEE and
does not authorize the manufacturer to use any certification mark of Łukasiewicz-IMiF Oddział PREDOM or IECEE.



Łukasiewicz – IMiF Oddział PREDOM
Centrum Badań i Certyfikacji
02-255 Warszawa, ul. Krakowiaków 53



APPENDIX TO CERTIFICATE

Ref. No. 1/CTF/01/25

Customer's Testing Facility CTF-Stage 3 / E-CTF – Stage 3

List of products and standards

For which the Laboratory of Quality Signify Poland Sp. z o.o. O/Kętrzyn
is authorized to perform testing
for the certification body Łukasiewicz – IMiF PREDOM Division
in the framework of

ENEC, ENEC+, CCA agreements, IECEE CB Scheme and national certification

CATEGORY	PRODUCTS*)	STANDARDS		
		For ENEC and CCA	For IECEE CB Scheme	For national certification
LITE	General requirements and tests	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022	IEC 60598-1:2020	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022
LITE	Fixed general purpose luminaires	EN IEC 60598-2-1:2021	IEC 60598-2-1:2020	EN IEC 60598-2-1:2021
LITE	Recessed luminaires	EN IEC 60598-2-2:2024	IEC 60598-2-2:2023	EN IEC 60598-2-2:2024
LITE	Luminaires for road and street lighting	EN 60598-2-3:2003 EN60598-2-3:2003/A1:2011	IEC 60598-2-3:2002 IEC 60598-2-3:2002/AMD1:2011	EN 60598-2-3:2003 EN60598-2-3:2003/A1:2011
LITE	Floodlights	EN 60598-2-5:2015	IEC 60598-2-5:2015	EN 60598-2-5:2015
LITE	Luminaires for emergency lighting	EN IEC 60598-2-22:2022	IEC 60598-2-22:2021	EN IEC 60598-2-22:2022
LITE	Luminaires with limited surface temperatures	EN 60598-2-24:2013	IEC 60598-2-24:2013	EN 60598-2-24:2013
LITE (ENEC+)	Luminaires	EPRS 002:2018-05 (based on EN 62722-1:2016)	-	-
LITE (ENEC+)	LED Luminaires	EPRS 003:2018-05 (based on EN 62722-2-1:2016)	-	-
LITE	Lamp and luminaires	-	-	EN 13032-1:2004+A1:2012
LITE	Lamp and luminaires	-	-	EN 13032-2:2017
LITE	Lamp and luminaires	-	-	EN 13032-3:2021
LITE	LED lamps, modules and luminaires	-	-	EN 13032-4:2015+A1:2019
LITE	Solid-State Lighting Products	-	-	LM-79-08
HOR	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	EN 62262:2002 EN 62262:2002/A1:2021	IEC 62262:2002 IEC 62262:2002/AMD1:2021	EN 62262:2002 EN 62262:2002/A1:2021

*) – Name and address of manufacturing place of the products: Signify Poland Sp. z o.o. O/Kętrzyn ul. Chrobrego 8, 11-400 Kętrzyn., Poland

Signed by /
Podpisano przez:

Paweł Andrzej
Oziębło
Date / Data: 2025-
06-26 10:08

Manager of Certification Office





Testing Facilities CTF STAGE 3

E02/000009

AENOR recognizes that the testing facilities of the organization

SIGNIFY B.V.

registered office I.B.R.S./C.C.R.I. N° 10461
5600 VB EINDHOVEN (The Netherlands)

have been accepted for the **Application of procedure CUSTOMER'S TESTING
FACILITIES (CTF) - STAGE 3**

in conformity with international documents IECCE OD-2048 / ETICS OD-ECS 032

Name of testing facility Signify Manufacturing Spain
Address of testing facility Crta. de las Arcas Reales, s/n
47008 Valladolid - Spain

See annex for more information.

Certification scheme This recognition has been issued pursuant to international documents
IECCE OD-2048 / ETICS OD-ECS 032 for performing the testing in
accordance with standard(s) as detailed in annex.

This certificate is valid unless it is cancelled or withdrawn upon AENOR's
written notification and for the particular conditions laid down in the
agreement signed by both parties.

This certificate supersedes E02/000009, dated 2024-03-13

First issued on 2018-10-23
Modified on 2024-03-19
Validity 2027-10-23

Rafael GARCÍA MEIRO
CEO

AENOR CONFÍA, S.A.U.
Génova, 6. 28004 Madrid. España
Tel. +34 91 432 60 00 - www.aenor.com

CITTA METROPOLITANA DI VENEZIA
Protocollo Arrivo N. 2821/2026 del 19-01-2026
Allegato 1 - Class. 12.8.0 - Copia Del Documento Firmato Digitalmente



Testing Facilities CTF STAGE 3

E02/000009

Annex to Certificate

Name of testing facility Signify Manufacturing Spain
Address of testing facility Crta. de las Arcas Reales, s/n
47008 Valladolid - Spain

Category	Standards	Clauses
-	EN 60529:1991 + A1:2000 + A2:2013	All clauses
LITE	EN 60598-2-2:2012	All clauses
LITE	EN 60598-2-24:2013	All clauses
LITE	EN 60598-2-3:2003 + A1:2011	All clauses
LITE	EN 60598-2-5:2015	All clauses
-	EN 62262:2002 + A1:2021	All clauses
LITE	EN 62471:2008	All clauses
LITE	EN IEC 60598-1:2021 + A11:2022	All clauses except 9.2.10 and 9.2.11
LITE	EN IEC 60598-2-1:2021	All clauses
LITE	EN IEC 62031:2020 + A11:2021	All clauses
LITE	EN IEC 62722-2-1:2023	All clauses
-	IEC 60529:1989 + A1:1999 + A2:2013	All clauses
LITE	IEC 60598-1:2020	All clauses except 9.2.10 and 9.2.11
LITE	IEC 60598-2-1:2020	All clauses
LITE	IEC 60598-2-2:2023	All clauses
LITE	IEC 60598-2-24:2013	All clauses
LITE	IEC 60598-2-3:2002 + AMD1:2011	All clauses
LITE	IEC 60598-2-5:2015	All clauses
LITE	IEC 62031:2018	All clauses
-	IEC 62262:2002 + AMD1:2021	All clauses
LITE	IEC 62471:2006, IEC TR 62778:2014	All clauses
LITE	IEC 62717:2014 + AMD1:2015 + AMD2:2019	All clauses
LITE	IEC 62722-2-1:2023	All clauses
LITE	PD EPRS 001:2018-05	All clauses
LITE	PD EPRS 003:2018-05	All clauses

First issued on 2018-10-23
Modified on 2024-03-19
Validity 2027-10-23



AENOR CONFÍA, S.A.U.
Génova, 6. 28004 Madrid. España
Tel. +34 91 432 60 00 - www.aenor.com

Intensity Table

FORMAT=PHILLUM
VERSION=2.0
STATUS=R
MCOD=LVM1643A00
DATE=2019-07-04
TXTS="L-TUNE 2026-01-13"
ORIG=WLD
BRAND=PHILIPS
FAMILY=UniStreet gen2 Mini
FAMCOD=BGP282
HOUSING=BGP282 T25
OPTICS=DW50
BLID=-
LAMP=LED135-4S L95@100kh
LAFLUX=13500
NLPS=1
LAMPCOL=730
INPW=86
INVO=230
GEOTYPE=3
GEOL1=0.095
GEOL2=0.234
GEOL3=0.62
OPTTYPE=3
OPTL1=0
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OPTL3=0.273
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126.40 135.00 144.90 155.80 166.10 177.30 189.20 202.10 213.60 225.50
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258.00 255.60 253.40 249.40 243.10 233.00 221.10 206.90 186.10 157.50
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126.30 134.90 144.80 155.70 166.10 177.20 189.10 201.90 213.60 225.50
231.20 236.90 242.90 249.40 254.60 258.20 259.90 260.70 260.80 260.30
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93.30 94.30 95.80 97.30 99.10 101.10 104.00 109.40 117.30
126.10 134.70 144.60 155.70 166.00 177.20 189.10 202.10 214.30 226.10
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 93.30 94.30 95.80 97.20 99.00 101.00 104.00 109.10 117.00
 125.90 134.70 144.90 156.20 167.10 178.40 190.90 204.50 218.50 231.10
 236.40 241.70 247.20 253.10 258.20 262.40 265.40 267.70 268.90 269.50
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 125.90 134.80 145.20 156.70 168.10 179.40 192.10 206.20 220.90 233.90
 239.20 244.60 249.90 255.60 261.00 265.50 269.00 271.50 273.40 274.40
 274.40 273.50 272.00 269.40 265.30 258.30 248.10 235.00 217.80 190.20
 155.50 126.30 99.80 74.20 52.80 42.20 37.00 33.60 30.70 28.10
 24.70 21.70 18.20 14.80 11.70 8.90 6.40 4.40 2.70 1.30
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 93.30 94.30 95.70 97.10 98.90 100.90 103.80 108.80 116.60
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 286.20 286.60 285.80 283.60 280.00 274.20 265.00 252.30 236.30 213.30
 180.50 146.10 119.50 92.90 66.70 46.70 37.20 32.40 29.40 26.50
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 0.40 0.10 0.00 0.00 0.00
 93.30 94.30 95.70 97.00 98.80 100.80 103.60 108.30 115.90
 125.20 134.80 145.60 157.80 169.90 181.60 194.40 209.40 225.70 238.80
 244.40 249.90 255.60 261.70 267.70 273.10 278.00 282.70 287.30 290.60
 292.70 293.90 293.80 292.10 288.60 283.10 274.50 262.60 247.00 226.20
 195.50 160.20 131.20 104.20 77.50 52.90 38.90 32.30 29.00 25.80
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 124.80 134.60 145.50 157.60 170.00 182.00 195.00 210.30 227.10 240.50
 246.30 252.20 257.80 263.90 270.30 276.00 281.30 286.50 291.50 295.60
 298.50 300.60 301.30 300.50 297.60 292.70 285.10 274.20 259.70 240.40
 212.50 177.00 144.20 116.10 89.20 61.40 42.30 32.80 28.70 25.40
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 124.30 134.30 145.10 157.30 169.90 182.40 195.60 211.30 228.60 242.20
 248.20 254.20 259.80 265.80 272.30 278.60 284.20 289.60 294.80 299.30
 303.00 305.90 307.70 308.20 306.60 303.00 296.60 287.10 273.90 256.30
 231.30 196.50 160.30 129.30 101.20 71.90 47.80 34.50 28.60 25.30
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 123.60 133.70 144.60 157.00 170.00 182.90 196.30 212.50 230.00 243.70
 249.70 255.60 261.40 267.50 274.10 280.60 286.50 292.00 297.40 302.70
 307.20 311.00 313.50 315.00 314.90 312.80 308.50 300.90 289.60 273.70
 251.30 219.40 181.60 145.50 114.70 84.30 55.90 37.60 29.20 25.40
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 0.60 0.20 0.00 0.00 0.00
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 122.90 133.10 144.20 156.70 170.20 183.50 197.30 213.90 231.60 245.00
 250.90 256.70 262.70 269.20 275.80 282.40 288.60 294.70 300.60 306.50
 311.90 316.30 319.60 321.80 322.90 322.40 320.10 314.70 305.50 291.90
 272.30 244.50 207.20 165.90 130.40 98.50 67.00 43.00 31.30 26.20
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 122.10 132.40 143.70 156.50 170.50 184.10 198.30 215.20 233.00 246.40

252.30 258.20 264.40 271.00 277.90 284.80 291.50 298.00 304.50 310.80
 316.50 321.70 325.80 329.10 331.30 332.30 331.40 328.00 321.10 310.40
 294.00 270.30 235.80 192.00 150.60 115.80 81.70 51.80 35.00 27.60
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 121.30 131.60 143.20 156.30 170.50 184.70 199.40 216.80 234.90 248.60
 254.40 260.40 266.80 273.50 280.60 287.80 294.90 301.70 308.60 315.10
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 315.70 296.10 266.40 223.90 177.40 137.30 100.10 65.10 41.50 30.00
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 120.70 130.90 142.70 156.00 170.70 185.70 200.70 218.50 236.90 251.10
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 327.00 333.80 340.40 346.30 351.30 354.80 356.70 356.50 353.80 348.10
 338.00 322.40 298.00 260.10 211.40 164.30 122.50 82.80 51.80 34.20
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 93.30 94.00 95.20 96.30 97.90 99.90 102.50 106.20 111.90
 119.90 129.90 142.00 155.70 170.80 186.30 201.70 219.90 238.50 253.80
 260.30 266.80 273.50 280.70 288.30 296.10 303.70 311.10 318.50 325.90
 333.30 340.70 348.00 354.80 361.20 366.60 370.60 372.30 371.70 368.70
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 263.70 270.50 277.50 284.80 292.50 300.30 308.20 316.30 324.40 332.30
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 266.90 273.80 281.00 288.50 296.50 304.70 313.10 321.80 330.20 338.30
 346.40 354.80 363.50 372.20 380.90 389.50 397.40 404.10 408.80 411.00
 409.50 403.40 391.10 369.80 334.30 283.70 221.30 158.30 104.20 62.30
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 118.00 127.80 140.10 154.50 170.60 187.20 203.80 223.20 243.90 262.40
 269.60 276.80 284.30 292.20 300.50 309.00 317.80 326.50 334.80 343.10
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 431.10 428.20 419.80 403.50 374.20 328.90 266.20 195.70 131.30 79.20
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 117.50 127.20 139.20 153.80 169.90 186.50 203.30 223.10 244.60 263.90
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 451.00 451.70 447.20 436.20 413.30 374.30 315.50 242.00 166.70 101.00
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 117.10 126.70 138.60 153.10 169.30 185.80 202.70 222.60 244.40 264.20
 271.70 279.20 287.50 295.80 304.40 313.10 322.30 331.70 341.10 350.60
 360.70 371.10 381.90 393.00 404.80 417.00 429.30 440.50 451.60 461.20
 468.90 473.50 473.60 468.20 452.10 420.30 367.90 295.20 210.30 128.00
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 116.70 126.20 138.00 152.30 168.30 184.60 201.00 220.80 242.90 263.10
 270.80 278.30 286.40 294.80 303.60 312.50 322.00 332.00 342.10 352.10
 362.50 373.20 384.70 396.50 409.40 422.30 435.60 448.00 461.00 473.10
 484.40 492.70 497.70 488.40 464.30 419.80 351.30 259.40 162.50
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 116.30 125.70 137.40 151.30 166.80 182.80 198.90 218.60 240.60 261.10
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 362.50 373.70 385.90 398.40 411.90 425.70 440.10 453.80 468.60 483.10
 497.00 508.90 518.40 524.30 521.60 505.10 469.70 407.90 311.70 205.60
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 115.80 125.00 136.50 150.00 165.10 180.60 196.30 215.70 237.70 258.30
 266.10 272.70 280.10 288.50 297.80 307.30 317.50 328.40 339.30 349.80
 361.20 372.80 385.30 398.40 412.30 427.20 442.90 457.90 474.60 491.10
 507.50 522.60 536.30 546.70 550.30 541.30 514.50 457.70 361.30 251.80
 161.80 93.30 53.60 32.70 22.50 16.50 11.10 6.40 3.60 1.60
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 115.10 124.10 135.30 148.30 162.70 177.70 193.00 212.20 234.40 255.00
 262.70 269.00 276.10 284.60 294.00 303.70 314.00 325.10 336.40 347.40
 359.10 371.30 384.20 397.50 411.80 427.50 443.90 460.30 478.60 497.30
 516.20 534.00 551.00 565.00 573.00 570.00 548.90 494.70 402.40 295.70
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 114.30 122.90 133.80 146.30 159.90 174.00 188.80 207.90 230.10 251.00
 258.50 264.50 271.40 279.70 289.20 299.20 309.90 321.20 332.90 344.40
 356.60 369.30 382.40 395.90 410.70 426.70 443.90 461.20 480.70 501.20
 521.80 541.90 562.10 579.30 590.90 592.30 574.20 521.80 435.20 332.90
 232.30 143.00 82.00 48.50 31.90 21.80 13.60 8.00 4.00 1.80
 0.90 0.60 0.30 0.10 0.00
 93.30 93.30 94.20 94.90 95.70 96.90 99.00 102.10 106.80
 113.30 121.60 131.90 143.90 156.60 169.80 183.90 202.80 225.10 245.90
 253.30 259.10 265.90 274.40 284.20 294.40 305.30 317.10 329.10 341.00
 353.70 366.60 379.90 393.70 408.70 425.10 442.50 460.50 480.50 502.10
 523.80 545.80 568.10 588.10 603.30 608.30 591.70 540.60 458.80 359.50
 256.00 159.80 92.60 55.30 36.40 24.00 14.40 8.40 4.20 1.80
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 112.20 120.10 129.70 140.80 152.70 165.00 178.40 196.80 219.10 239.90
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 350.00 363.10 376.80 390.60 405.80 422.50 440.10 458.50 479.10 501.10
 523.60 546.50 569.60 591.50 609.40 617.20 601.90 551.80 470.60 370.30
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 0.90 0.50 0.20 0.10 0.00
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 110.80 118.30 127.40 137.50 148.40 159.70 172.10 190.30 212.10 232.90
 239.80 245.60 252.80 262.00 272.20 282.80 294.40 306.50 319.00 331.70
 344.80 358.20 372.10 386.60 402.10 419.20 437.10 455.80 476.70 498.70
 521.10 543.70 566.80 589.50 609.20 618.50 603.00 551.50 467.90 365.50
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 0.80 0.50 0.20 0.10 0.00
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 109.40 116.30 124.70 134.00 144.00 154.20 165.80 183.50 204.70 225.00
 231.40 237.10 244.50 254.00 264.10 274.90 286.50 298.50 311.00 323.70
 337.10 350.70 364.80 379.40 395.30 412.40 430.20 449.10 469.60 491.20
 512.80 534.70 557.40 580.10 600.40 609.00 590.10 535.40 449.60 346.60
 241.30 151.60 91.00 54.90 32.60 18.40 10.30 5.50 2.90 1.40
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 107.70 114.30 122.00 130.20 139.20 148.50 158.90 175.90 196.80 216.40
 222.00 227.50 235.20 244.60 254.50 265.20 276.50 288.20 300.20 312.60
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 106.50 112.50 119.40 126.60 134.40 142.50 151.90 168.00 187.60 205.90
 211.00 216.50 224.30 233.60 243.30 253.60 264.20 275.50 286.90 298.70
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 469.20 488.80 509.70 530.50 548.80 551.50 526.60 473.80 395.80 305.80
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 199.90 205.40 213.20 222.40 231.70 241.50 251.90 262.70 273.70 285.40
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 450.50 470.30 491.60 513.40 533.00 536.70 515.00 468.80 397.20 310.70
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 104.10 109.00 115.10 121.10 127.10 133.00 140.30 155.40 172.90 187.80
 192.00 197.80 205.50 214.60 223.60 233.40 243.70 254.60 265.70 277.70
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 449.90 471.80 495.10 518.50 539.30 544.20 522.40 474.60 400.80 311.90

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 103.10 107.60 113.60 119.40 125.00 130.40 137.50 152.80 170.00 184.00
 188.30 194.80 202.90 212.10 221.20 231.20 241.90 253.10 264.50 277.00
 289.30 302.40 315.40 329.90 345.70 362.80 380.10 399.40 419.80 440.90
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 102.40 106.80 112.60 118.30 123.70 129.00 136.00 151.40 168.20 181.90
 187.10 194.50 203.00 212.50 221.80 232.40 243.50 255.30 267.40 280.30
 293.40 307.30 321.20 336.80 353.50 371.80 390.00 410.50 431.60 454.00
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 101.90 106.20 112.00 117.70 123.40 128.90 136.30 151.00 166.70 180.10
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 297.80 312.70 327.70 344.20 361.80 380.50 399.20 419.90 441.50 462.80
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 101.50 105.80 111.60 117.40 123.40 129.20 137.40 151.10 165.50 178.70
 185.30 193.60 202.80 212.80 223.40 234.80 246.80 259.30 272.20 286.40
 301.20 316.90 332.80 350.10 368.80 387.90 407.00 427.90 449.30 469.50
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 101.20 105.60 111.20 117.10 123.40 129.60 138.30 151.20 164.70 178.10
 185.10 193.60 203.10 213.20 224.10 236.10 248.70 261.80 275.20 289.90
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 488.50 504.00 516.30 522.00 515.20 488.80 443.40 382.40 309.70 229.00
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 101.00 105.30 110.80 116.80 123.40 130.10 139.20 151.70 164.50 178.20
 185.60 194.20 204.00 214.40 225.70 238.10 251.30 264.70 278.90 293.90
 309.50 325.90 342.50 359.30 377.10 394.50 411.20 427.90 442.60 454.60
 463.40 470.80 474.40 470.70 454.20 419.80 370.20 310.00 244.70 176.10
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 186.70 195.30 204.90 215.30 226.60 238.60 251.20 263.90 277.10 290.50
 304.20 318.50 332.30 345.60 358.60 370.50 381.60 391.70 399.10 404.20
 406.10 405.70 402.30 392.90 371.40 334.60 286.40 232.20 176.50 120.80
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 93.30 92.70 92.80 93.00 93.40 94.10 95.00 96.00 97.70
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 186.50 194.50 203.20 212.30 221.70 231.70 241.90 251.90 262.00 271.70
 281.50 291.40 300.60 309.30 317.40 324.10 329.70 334.10 336.60 337.00
 334.20 329.00 321.50 309.10 285.70 249.50 206.00 160.50 115.70 75.20
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 93.30 92.70 92.70 92.90 93.30 94.00 94.90 95.90 97.50
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 181.90 188.00 194.60 201.10 207.70 214.30 221.10 227.50 234.00 240.30
 246.10 251.80 256.90 261.60 265.80 268.40 270.00 270.50 269.00 265.80
 259.50 251.40 241.40 227.90 205.60 174.00 138.60 103.10 70.90 46.40
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 93.30 92.70 92.80 92.80 93.30 94.00 94.80 95.90 97.50
 100.10 104.20 110.10 116.80 124.50 133.60 143.00 151.80 159.50 167.70
 171.50 175.30 179.20 182.90 186.70 190.10 193.80 197.10 200.60 204.10
 206.80 209.30 211.30 212.60 213.40 212.30 210.50 207.70 203.30 198.00
 190.40 181.70 171.90 159.70 141.70 116.60 89.50 64.50 45.10 32.60
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 93.30 92.60 92.60 92.70 93.20 93.90 94.80 95.80 97.50
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 157.40 159.00 160.60 162.20 163.50 164.70 165.90 166.90 167.80 168.50

168.70 168.30 167.30 165.90 164.00 160.70 156.90 152.60 147.60 142.10
 135.60 128.20 119.90 109.70 95.70 77.30 58.70 43.40 33.30 26.70
 22.00 18.20 14.80 12.00 8.80 5.90 3.70 2.00 1.10 0.60
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 93.30 92.60 92.50 92.60 93.10 93.80 94.70 95.80 97.60
 100.10 104.10 109.80 116.40 123.80 131.30 137.30 140.70 142.00 142.60
 142.60 142.50 142.40 142.10 141.90 141.40 140.60 139.70 138.40 136.90
 134.80 132.30 129.10 125.80 122.30 118.60 114.70 110.60 106.40 101.90
 96.80 90.70 83.60 75.60 65.30 53.30 41.80 33.30 28.00 23.50
 19.70 16.40 13.50 11.00 8.30 5.70 3.70 2.00 1.00 0.60
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