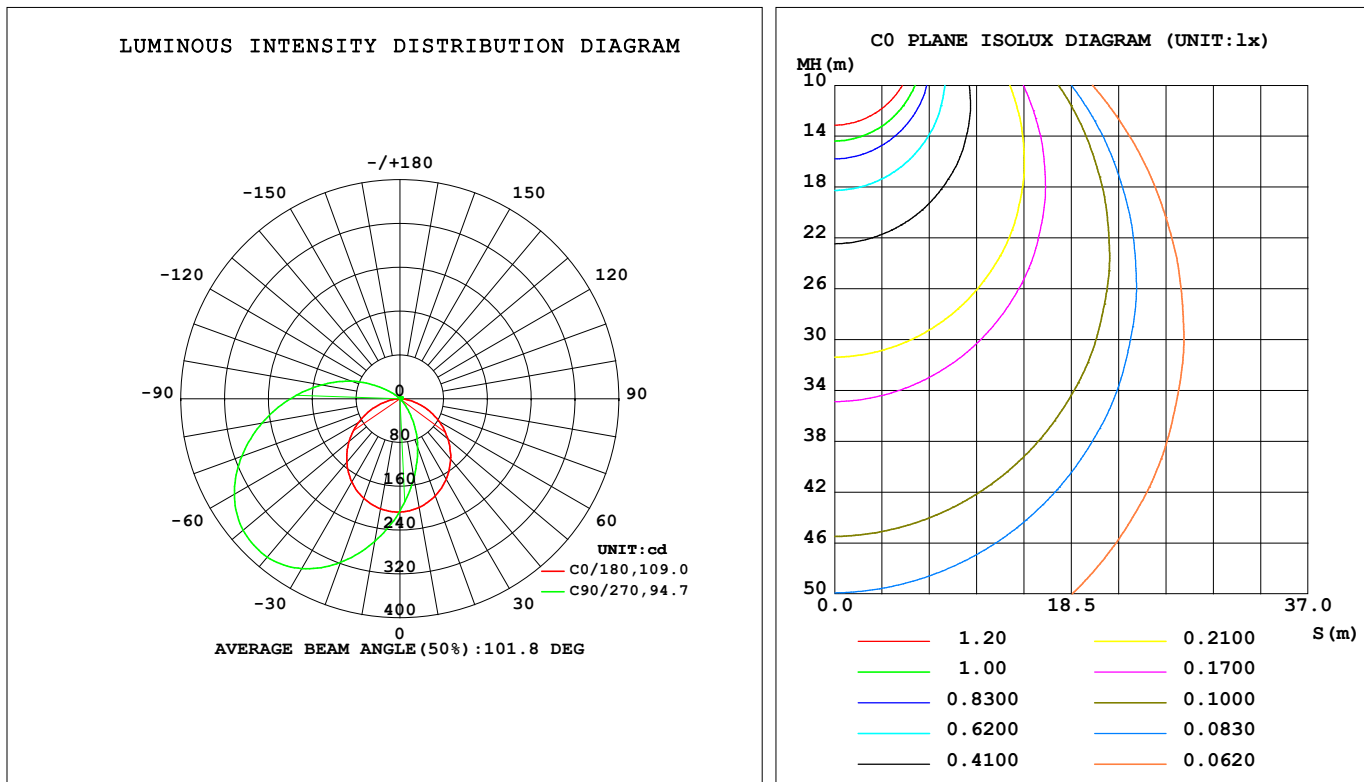


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_4000K TYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 54.14 lm/W
MODEL	DPAL-007 4000K	I _{max} (cd)	378.4	S/MH (C0/180)	1.26	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	2.30	
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	933.89	η UP,DN (C0-180)	1.0,12.1	
NOMINAL FLUX (lm)	933.888	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	11.1,75.8	
LAMPS INSIDE	1	η up (%)	12.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	230	η down (%)	87.9	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	201.7	163.4	147.1	158.3	204.2	247.2	264.2	238.1	0- 10	19.44	19.44	2.08,2.08
20	188.8	120.4	95.53	117.0	193.5	280.2	318.0	269.3	10- 20	56.79	76.23	8.16,8.16
30	169.6	80.68	49.12	78.20	175.9	301.1	358.1	289.2	20- 30	89.23	165.5	17.7,17.7
40	144.3	42.61	14.09	40.32	151.3	305.8	377.3	293.0	30- 40	112.6	278.1	29.8,29.8
50	114.5	13.03	0.6236	10.60	121.5	292.6	373.7	279.9	40- 50	124.4	402.4	43.1,43.1
60	82.70	0.6391	1.002	0.5607	88.06	264.4	349.2	253.2	50- 60	125.6	528.1	56.5,56.5
70	49.26	1.006	1.523	0.9587	52.88	225.1	307.4	215.1	60- 70	116.7	644.7	69,69
80	18.34	1.466	2.190	1.457	20.02	179.9	255.7	171.7	70- 80	99.31	744.0	79.7,79.7
90	0.6060	2.037	2.874	2.002	0.5610	132.5	200.2	125.9	80- 90	76.87	820.9	87.9,87.9
100	0.7679	2.567	3.500	2.504	0.7776	80.72	146.0	81.71	90-100	53.64	874.5	93.6,93.6
110	1.072	3.009	4.030	2.958	1.069	39.15	94.53	41.27	100-110	32.20	906.7	97.1,97.1
120	1.382	3.353	4.372	3.328	1.367	9.600	43.61	8.979	110-120	15.83	922.6	98.8,98.8
130	1.708	3.617	4.554	3.623	1.683	0.6050	10.26	0.6269	120-130	5.471	928.0	99.4,99.4
140	2.040	3.758	4.579	3.786	2.006	0.9375	0.6086	1.016	130-140	1.930	930.0	99.6,99.6
150	2.363	3.796	4.419	3.830	2.341	1.355	1.057	1.486	140-150	1.551	931.5	99.7,99.7
160	2.645	3.714	4.169	3.771	2.652	1.866	1.636	2.007	150-160	1.250	932.8	99.9,99.9
170	2.887	3.482	3.783	3.561	2.902	2.470	2.367	2.598	160-170	0.8232	933.6	100,100
180	3.031	3.119	3.200	3.200	3.037	3.094	3.188	3.188	170-180	0.2920	933.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 339.54 lm

%lum = 36.4%

%lamp = 36.4%

Conical surface Flux(120deg): 528.06 lm

%lum = 56.5%

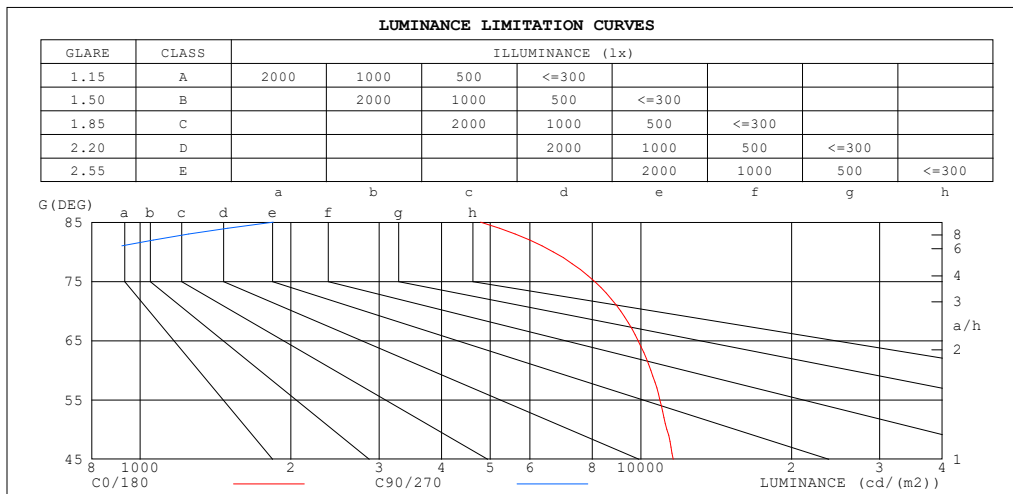
%lamp = 56.5%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_400	OK TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4789	1844
80	6683	798
75	8086	452
70	9115	282
65	9878	185
60	10468	127
55	10920	89
50	11274	61
45	11603	274

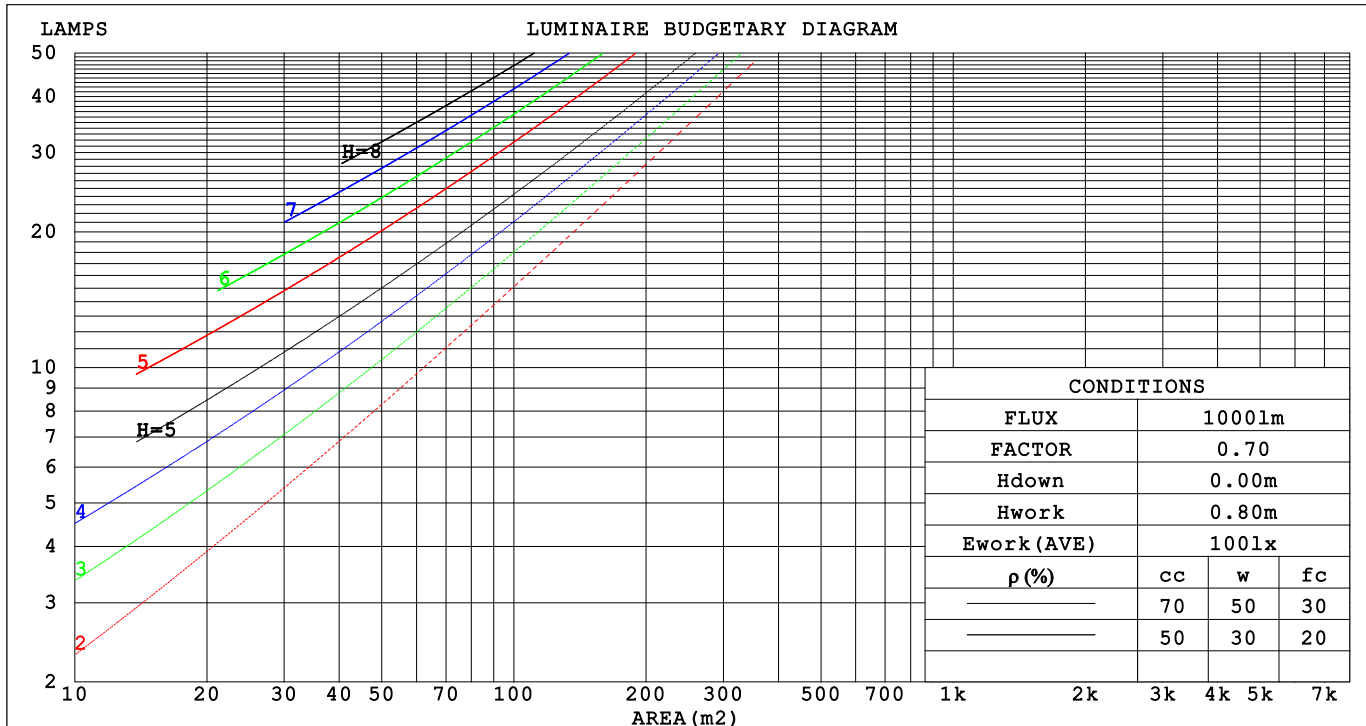
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_400K TYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.91	.91	.91	.88
1.0	.96	.91	.86	.93	.88	.83	.86	.82	.78	.80	.77	.74	.74	.72	.69	.66
2.0	.82	.74	.67	.79	.72	.65	.73	.67	.62	.68	.63	.59	.63	.59	.56	.52
3.0	.71	.62	.54	.68	.60	.53	.64	.56	.50	.59	.53	.48	.55	.50	.46	.43
4.0	.62	.52	.45	.60	.51	.44	.56	.48	.42	.52	.45	.40	.48	.43	.38	.36
5.0	.55	.45	.38	.53	.44	.37	.50	.42	.36	.46	.40	.34	.43	.37	.33	.30
6.0	.49	.40	.33	.48	.39	.32	.45	.37	.31	.42	.35	.30	.39	.33	.29	.26
7.0	.44	.35	.29	.43	.34	.28	.40	.33	.27	.38	.31	.26	.35	.30	.25	.23
8.0	.40	.31	.25	.39	.31	.25	.37	.29	.24	.35	.28	.23	.33	.27	.22	.20
9.0	.37	.28	.23	.36	.28	.22	.34	.27	.21	.32	.25	.21	.30	.24	.20	.18
10.0	.34	.26	.20	.33	.25	.20	.31	.24	.19	.29	.23	.19	.28	.22	.18	.16



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_4000K TYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.400	.228	.072	.389	.222	.071	.369	.212	.068	.350	.202	.065	.332	.193	.062	
2.0	.345	.189	.058	.335	.184	.057	.316	.176	.055	.299	.168	.053	.283	.160	.051	
3.0	.305	.162	.049	.296	.159	.048	.280	.151	.046	.264	.145	.044	.250	.138	.043	
4.0	.274	.142	.042	.266	.139	.041	.251	.133	.040	.237	.127	.038	.224	.122	.037	
5.0	.248	.127	.037	.241	.124	.036	.228	.118	.035	.215	.113	.034	.203	.108	.033	
6.0	.227	.114	.033	.221	.111	.032	.208	.107	.031	.197	.102	.030	.186	.098	.029	
7.0	.209	.103	.029	.203	.101	.029	.192	.097	.028	.181	.093	.027	.172	.089	.026	
8.0	.194	.095	.027	.188	.093	.026	.178	.089	.025	.168	.085	.025	.159	.082	.024	
9.0	.180	.087	.024	.175	.085	.024	.166	.082	.023	.157	.079	.023	.149	.076	.022	
10.0	.169	.081	.022	.164	.079	.022	.155	.076	.021	.147	.073	.021	.140	.070	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.283	.283	.283	.242	.242	.242	.165	.165	.165	.095	.095	.095	.030	.030	.030	
1.0	.280	.248	.220	.239	.213	.189	.164	.147	.131	.094	.085	.076	.030	.027	.025	
2.0	.273	.225	.185	.234	.194	.160	.160	.134	.112	.092	.078	.065	.030	.025	.021	
3.0	.265	.209	.163	.227	.180	.142	.156	.125	.099	.090	.073	.059	.029	.024	.019	
4.0	.257	.196	.149	.221	.169	.130	.152	.118	.091	.088	.069	.054	.028	.023	.018	
5.0	.250	.186	.139	.214	.161	.121	.148	.112	.086	.086	.066	.051	.028	.022	.017	
6.0	.242	.178	.132	.208	.154	.115	.143	.108	.082	.083	.064	.048	.027	.021	.016	
7.0	.235	.171	.127	.202	.149	.111	.139	.104	.078	.081	.061	.047	.026	.020	.015	
8.0	.228	.166	.123	.196	.144	.107	.136	.101	.076	.079	.060	.045	.026	.020	.015	
9.0	.221	.161	.120	.191	.140	.105	.132	.098	.074	.077	.058	.044	.025	.019	.015	
10.0	.215	.157	.118	.186	.136	.103	.129	.096	.073	.075	.057	.044	.024	.019	.014	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm											
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_4000K TYPE:LED								WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: DARKON					SUR.:			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H		15.4	16.9	15.8	17.3	17.8	1.7	3.2	2.2	3.6	4.1
3H		16.9	18.3	17.4	18.7	19.2	1.7	3.0	2.1	3.5	4.0
4H		17.6	18.9	18.1	19.3	19.9	1.9	3.2	2.4	3.7	4.2
6H		18.1	19.3	18.6	19.8	20.4	2.6	3.9	3.1	4.3	4.9
8H		18.3	19.5	18.8	20.0	20.5	3.3	4.5	3.8	5.0	5.6
12H		18.3	19.5	18.9	20.0	20.6	4.3	5.5	4.9	6.0	6.6
4H 2H		15.0	16.3	15.5	16.8	17.3	2.5	3.8	2.9	4.2	4.7
3H		16.5	17.6	17.0	18.1	18.7	2.4	3.6	2.9	4.1	4.7
4H		17.2	18.2	17.7	18.8	19.4	2.7	3.8	3.3	4.3	4.9
6H		17.8	18.7	18.4	19.3	19.9	3.7	4.6	4.2	5.2	5.8
8H		18.0	18.9	18.6	19.5	20.1	4.5	5.4	5.1	6.0	6.6
12H		18.2	19.0	18.8	19.6	20.3	5.7	6.6	6.3	7.2	7.8
8H 4H		17.0	17.9	17.6	18.5	19.1	2.8	3.7	3.4	4.2	4.9
6H		17.6	18.4	18.2	19.0	19.7	4.0	4.8	4.6	5.4	6.1
8H		17.8	18.5	18.5	19.2	19.9	5.2	5.8	5.8	6.5	7.2
12H		18.0	18.6	18.7	19.3	20.0	6.8	7.4	7.4	8.0	8.7
12H 4H		16.9	17.7	17.5	18.3	19.0	2.8	3.6	3.4	4.2	4.9
6H		17.5	18.2	18.2	18.9	19.6	4.1	4.8	4.8	5.4	6.1
8H		17.8	18.4	18.5	19.0	19.8	5.4	6.0	6.0	6.6	7.4
Variations with the observer position at spacings:											
S = 1.0H		+ 1.2 / - 1.0					+ 1.2 / - 1.4				
1.5H		+ 2.3 / - 3.0					+ 1.8 / - 1.3				
2.0H		+ 3.3 / - 5.1					+ 0.7 / - 0.3				

CIE Pub.117, 933.9 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.2$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_4000K TYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

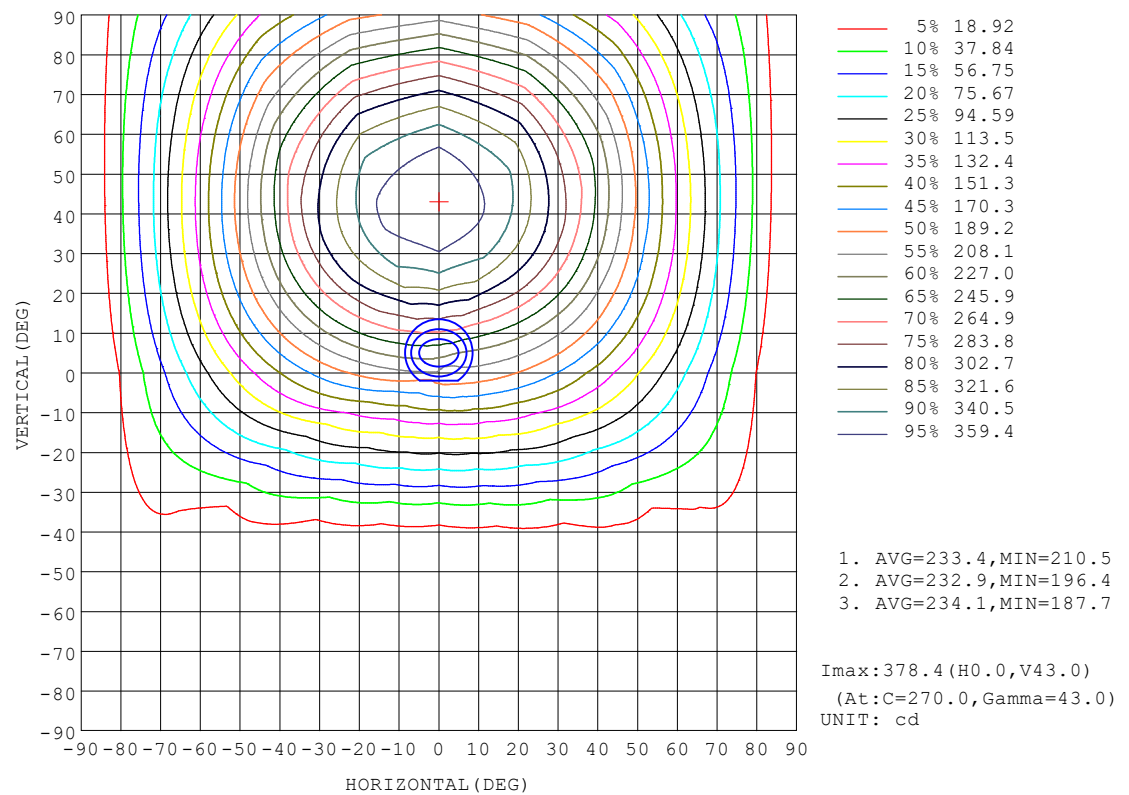
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	36	29	48	36	28	46	35	28	21
0.80	58	45	36	56	44	36	54	43	36	28
1.00	66	52	44	64	52	44	61	53	43	34
1.25	72	60	51	70	59	50	67	57	49	40
1.50	78	65	56	75	64	56	71	61	54	45
2.00	85	74	65	82	72	64	77	69	62	51
2.50	89	79	71	86	77	70	81	73	67	56
3.00	93	84	76	90	81	75	84	77	71	60
4.00	98	90	83	95	87	81	88	82	77	65
5.00	101	94	88	97	91	86	91	86	81	68
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_4000K TYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

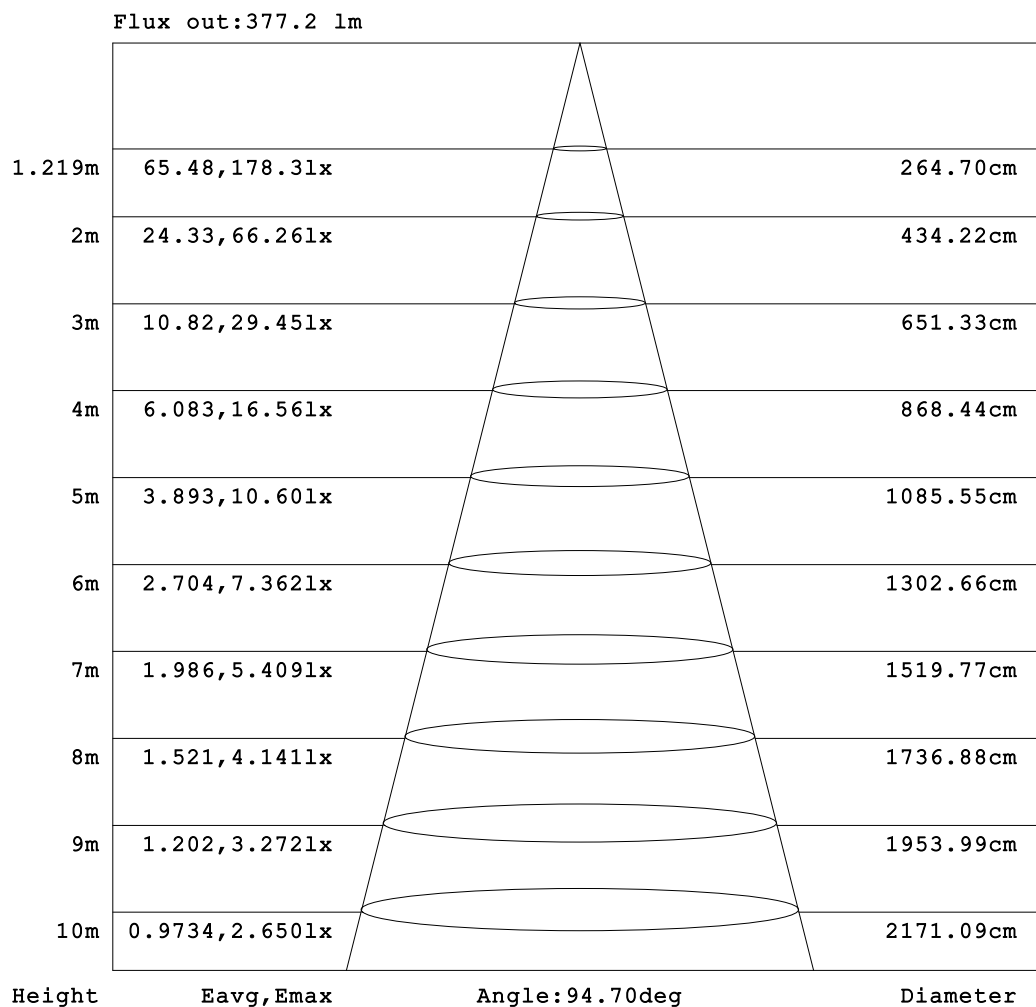


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JEFF
Test Date: 01 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_4000K TYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



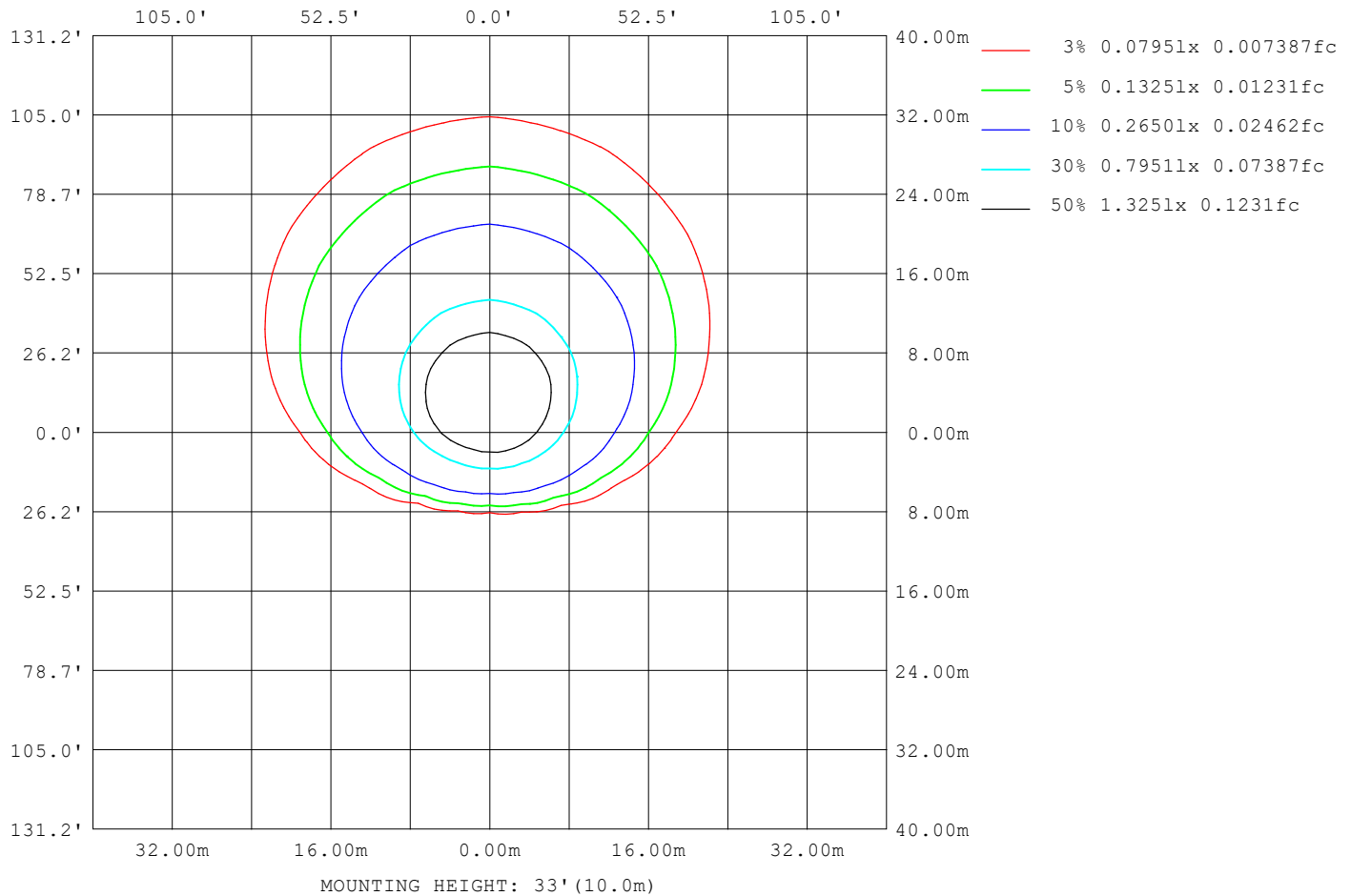
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JEFF
Test Date: 01 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_4000K TYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm		
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_4000K TYPE:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: DARKON	SUR.:	Shielding Angle:

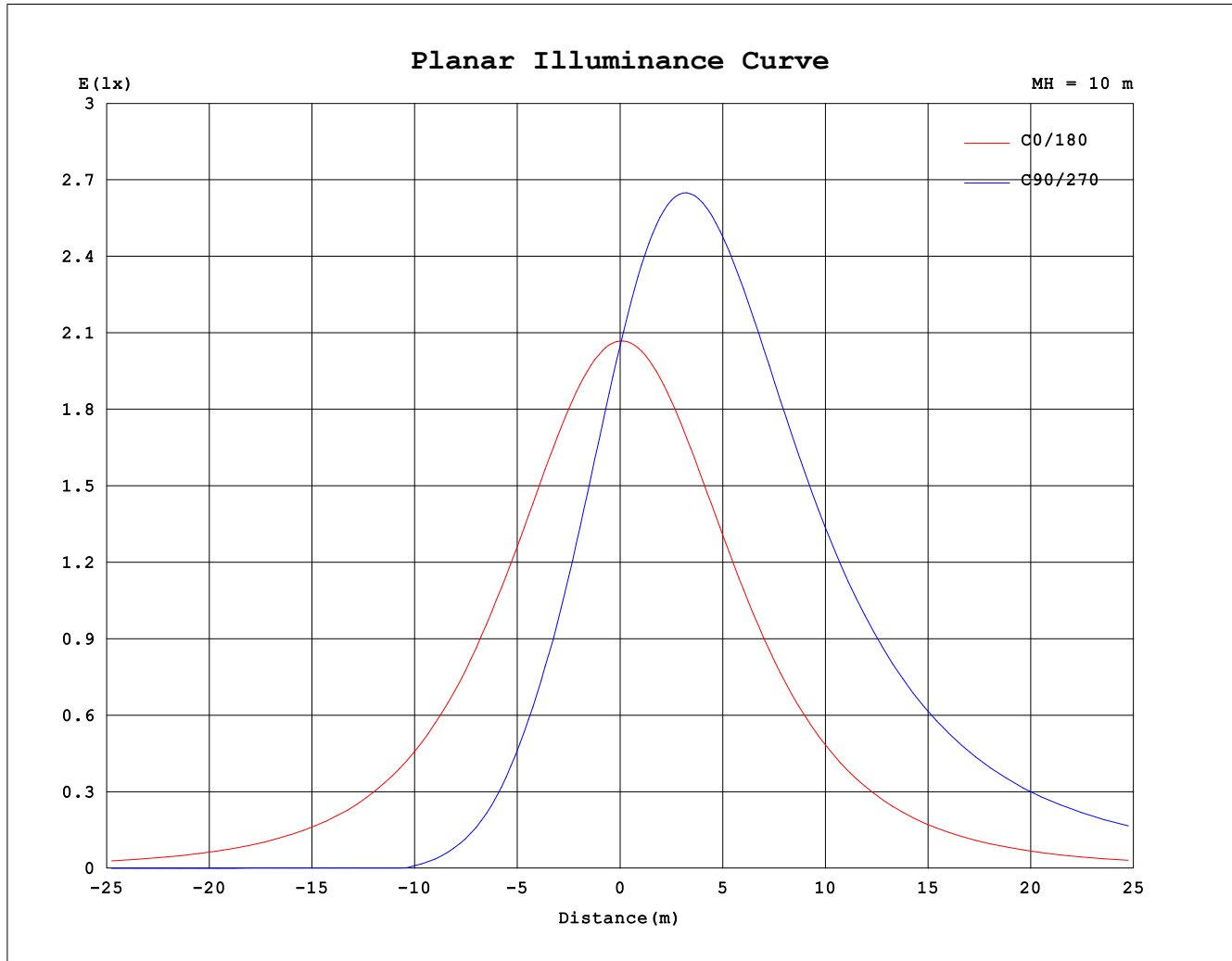
AvgL	cd/m2
L_0~180 (65) av	10219
L_0~180 (75) av	8409
L_0~180 (85) av	5084
L_90~270 (65) av	24802
L_90~270 (75) av	34739
L_90~270 (85) av	83750
L_45 (65) av	18074
L_45 (75) av	24358
L_45 (85) av	56033

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:01 October 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JEFF
Test Date: 01 October 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:239.90V I:0.1082A P:17.250W PF:0.6647 Freq:50.08Hz Lamp Flux:933.888x1 lm																	
NAME: SUPER MINI WEDGE_1071_WHT_OPAL V_DPAL-007_400OK TYPE:LED														WEIGHT:			
SPEC.:														DIM.:			
MFR.: DARKON														SUR.:			
														SERIAL No.:			
														Shielding Angle:			

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	207	207	207	206	205	203	200	199	207	207	207	206	205	203	200	199			
5	205	195	185	180	176	177	179	188	207	218	228	234	235	230	220	209			
10	202	181	163	153	147	151	158	176	204	227	247	261	264	257	238	217			
15	196	166	142	127	120	125	138	162	200	234	265	286	292	282	255	223			
20	189	151	120	103	95.5	101	117	147	194	239	280	309	318	304	269	226			
25	180	135	100	79.9	72.1	78.5	97.5	132	186	240	292	329	340	323	281	227			
30	170	118	80.7	58.0	49.1	56.6	78.2	117	176	239	301	345	358	338	289	226			
35	157	101	61.6	37.5	29.4	36.0	59.3	100	164	235	306	355	371	348	293	222			
40	144	84.7	42.6	21.1	14.1	19.5	40.3	84.0	151	228	306	360	377	353	293	215			
45	130	68.1	26.1	8.47	3.06	6.78	23.7	67.5	137	219	301	360	378	352	289	206			
50	114	51.8	13.0	0.59	0.62	0.46	10.6	51.0	122	206	293	354	374	346	280	194			
55	99.0	35.4	3.47	0.76	0.80	0.65	1.70	34.5	105	192	280	344	364	336	268	180			
60	82.7	20.2	0.64	0.96	1.00	0.87	0.56	19.0	88.1	175	264	329	349	321	253	164			
65	66.0	8.61	0.81	1.19	1.24	1.12	0.74	7.10	70.5	157	246	310	330	302	235	148			
70	49.3	0.90	1.01	1.45	1.52	1.39	0.96	0.61	52.9	138	225	287	307	279	215	129			
75	33.1	0.70	1.22	1.74	1.85	1.68	1.20	0.64	35.7	118	203	263	282	255	193	111			
80	18.3	0.85	1.47	2.05	2.19	1.99	1.46	0.80	20.0	98.7	180	237	256	230	172	92.7			
85	6.59	1.02	1.74	2.32	2.54	2.31	1.73	1.00	7.41	78.9	156	210	228	203	149	73.8			
90	0.61	1.21	2.04	2.73	2.87	2.64	2.00	1.21	0.56	59.2	132	183	200	177	126	55.0			
95	0.63	1.41	2.32	3.04	3.19	2.95	2.26	1.42	0.64	40.5	107	154	173	151	104	37.4			
100	0.77	1.61	2.57	3.32	3.50	3.23	2.50	1.62	0.78	23.1	80.7	127	146	126	81.7	21.6			
105	0.92	1.80	2.79	3.58	3.78	3.48	2.74	1.83	0.93	9.73	60.8	101	120	101	60.9	8.06			
110	1.07	1.99	3.01	3.82	4.03	3.71	2.96	2.04	1.07	2.26	39.1	73.2	94.5	78.6	41.3	1.15			
115	1.22	2.18	3.20	4.02	4.22	3.90	3.16	2.24	1.22	0.55	22.4	55.5	68.1	56.5	22.6	0.62			
120	1.38	2.35	3.35	4.15	4.37	4.07	3.33	2.43	1.37	0.68	9.60	35.2	43.6	34.9	8.98	0.77			
125	1.54	2.52	3.50	4.26	4.48	4.22	3.49	2.61	1.52	0.82	2.43	16.3	23.7	17.4	0.99	0.95			
130	1.71	2.66	3.62	4.34	4.55	4.32	3.62	2.77	1.68	0.97	0.60	5.28	10.3	5.05	0.63	1.14			
135	1.87	2.80	3.70	4.37	4.58	4.36	3.72	2.92	1.85	1.12	0.76	0.52	1.17	0.49	0.81	1.34			
140	2.04	2.92	3.76	4.36	4.58	4.36	3.79	3.04	2.01	1.31	0.94	0.69	0.61	0.67	1.02	1.55			
145	2.20	3.03	3.80	4.34	4.51	4.34	3.82	3.15	2.18	1.50	1.14	0.90	0.82	0.89	1.24	1.75			
150	2.36	3.11	3.80	4.26	4.42	4.29	3.83	3.24	2.34	1.71	1.35	1.12	1.06	1.14	1.49	1.97			
155	2.52	3.18	3.78	4.15	4.31	4.20	3.83	3.31	2.50	1.93	1.60	1.39	1.33	1.42	1.74	2.18			
160	2.65	3.23	3.71	4.00	4.17	4.07	3.77	3.33	2.65	2.17	1.87	1.67	1.64	1.71	2.01	2.39			
165	2.77	3.23	3.61	3.83	4.00	3.91	3.69	3.33	2.79	2.40	2.16	2.00	1.99	2.04	2.30	2.62			
170	2.89	3.20	3.48	3.63	3.78	3.70	3.56	3.33	2.90	2.63	2.47	2.36	2.37	2.40	2.60	2.82			
175	2.97	3.14	3.32	3.39	3.51	3.46	3.41	3.28	2.99	2.86	2.80	2.74	2.77	2.78	2.91	3.02			
180	3.03	3.08	3.12	3.14	3.20	3.19	3.20	3.19	3.04	3.08	3.09	3.13	3.19	3.18	3.19	3.20			

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