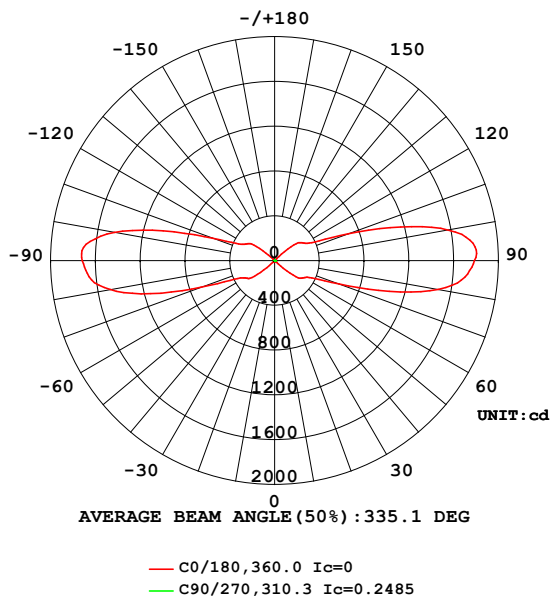


LUMINAIRE PHOTOMETRIC TEST REPORT

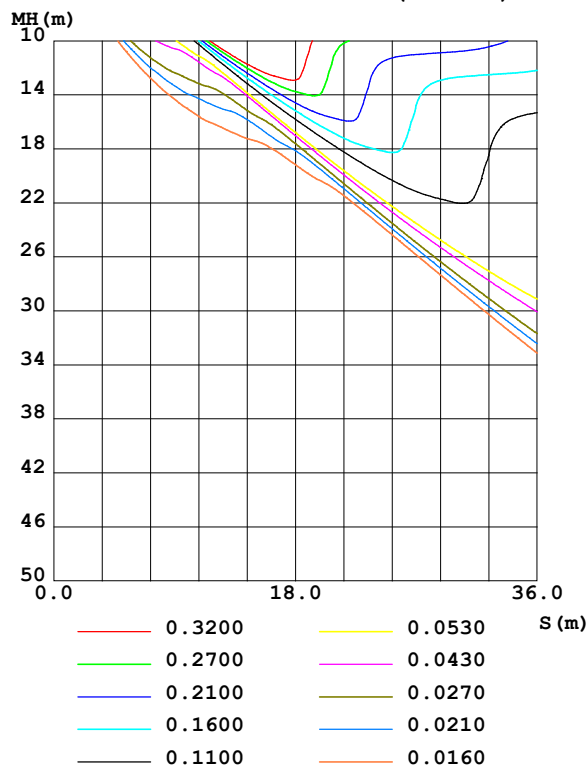
Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圓桶壁燈 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m ²	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.96 lm/W			
MODEL		I _{max} (cd)	1806	S/MH(C0/180)	0.00
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1596.9	η UP,DN(C0-180)	25.7,24.9
NOMINAL FLUX(lm)	1596.88	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.4,25.0
LAMPS INSIDE	1	η up (%)	50.1	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)		η down (%)	49.9	CIBSE SHR MAX	0.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

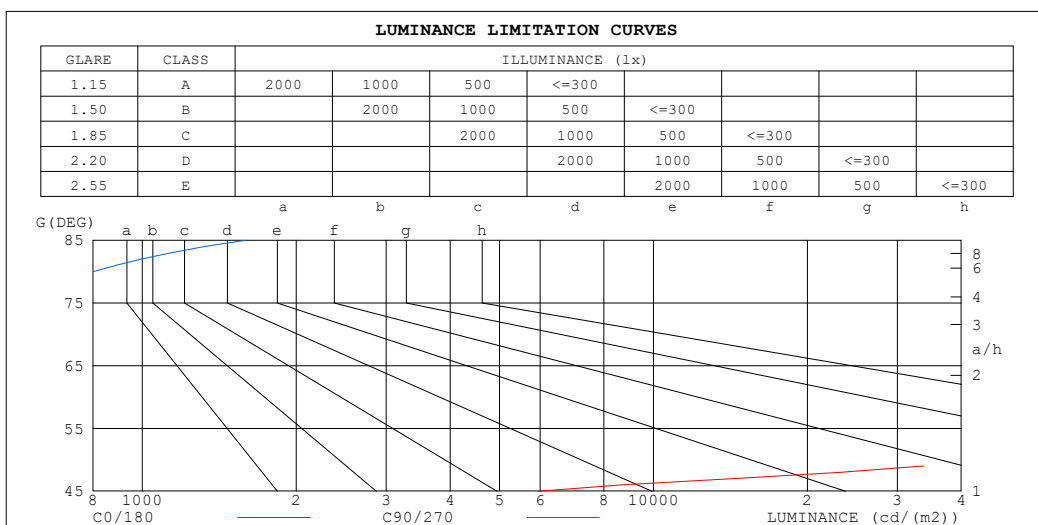
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	
10	0.3722	1.143	0.2462	1.317	0.3406	1.662	0.2416	1.142	0- 10	0.0332	0.0332	0.0332
20	0.7277	1.801	0.2345	1.895	0.9156	2.491	0.2237	1.512	10- 20	0.1568	0.1900	0.1900
30	4.232	3.545	0.2204	4.708	4.604	5.214	0.2107	3.138	20- 30	0.5667	0.7567	0.7567
40	10.63	11.52	0.2075	12.62	10.98	13.50	0.2009	9.895	30- 40	1.993	2.750	2.750
50	142.3	24.89	0.1955	23.30	166.4	26.52	0.1934	20.67	40- 50	8.316	11.07	11.07
60	307.0	37.81	0.1853	34.53	311.3	40.03	0.1915	31.97	50- 60	61.02	72.08	72.08
70	614.8	49.34	0.1802	53.15	699.9	53.02	0.1910	44.36	60- 70	126.8	198.8	198.8
80	1484	72.32	0.1790	74.51	1494	76.90	0.1904	71.37	70- 80	241.1	439.9	439.9
90	1785	80.51	0.1761	103.7	1717	86.41	0.1815	124.3	80- 90	356.6	796.5	796.5
100	1578	72.21	0.1664	66.06	1454	74.75	0.1642	84.33	90-100	361.0	1158	1158
110	703.1	52.03	0.1513	39.68	590.5	49.23	0.1502	48.80	100-110	240.1	1398	1398
120	313.5	41.09	0.1421	28.98	298.3	36.86	0.1410	33.73	110-120	125.4	1523	1523
130	192.2	27.09	0.1379	18.72	140.0	24.01	0.1331	22.64	120-130	62.73	1586	1586
140	10.81	13.03	0.1363	9.273	9.947	11.25	0.1273	11.63	130-140	8.674	1594	1594
150	4.649	4.225	0.1303	3.494	3.893	4.251	0.1246	3.389	140-150	1.879	1596	1596
160	0.8795	1.837	0.1210	1.788	0.7799	2.011	0.1220	1.338	150-160	0.5024	1597	1597
170	0.3155	1.503	0.1159	0.8700	0.2921	0.8632	0.1139	1.112	160-170	0.1212	1597	1597
180	0	0.1236	0.1145	0.1237	0	0.0530	0.1124	0.1237	170-180	0.0214	1597	1597
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圆桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m ²	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4103369	1593
80	1791563	801
75	859833	539
70	376866	410
65	181797	335
60	128703	288
55	101358	256
50	46424	236
45	5955	221

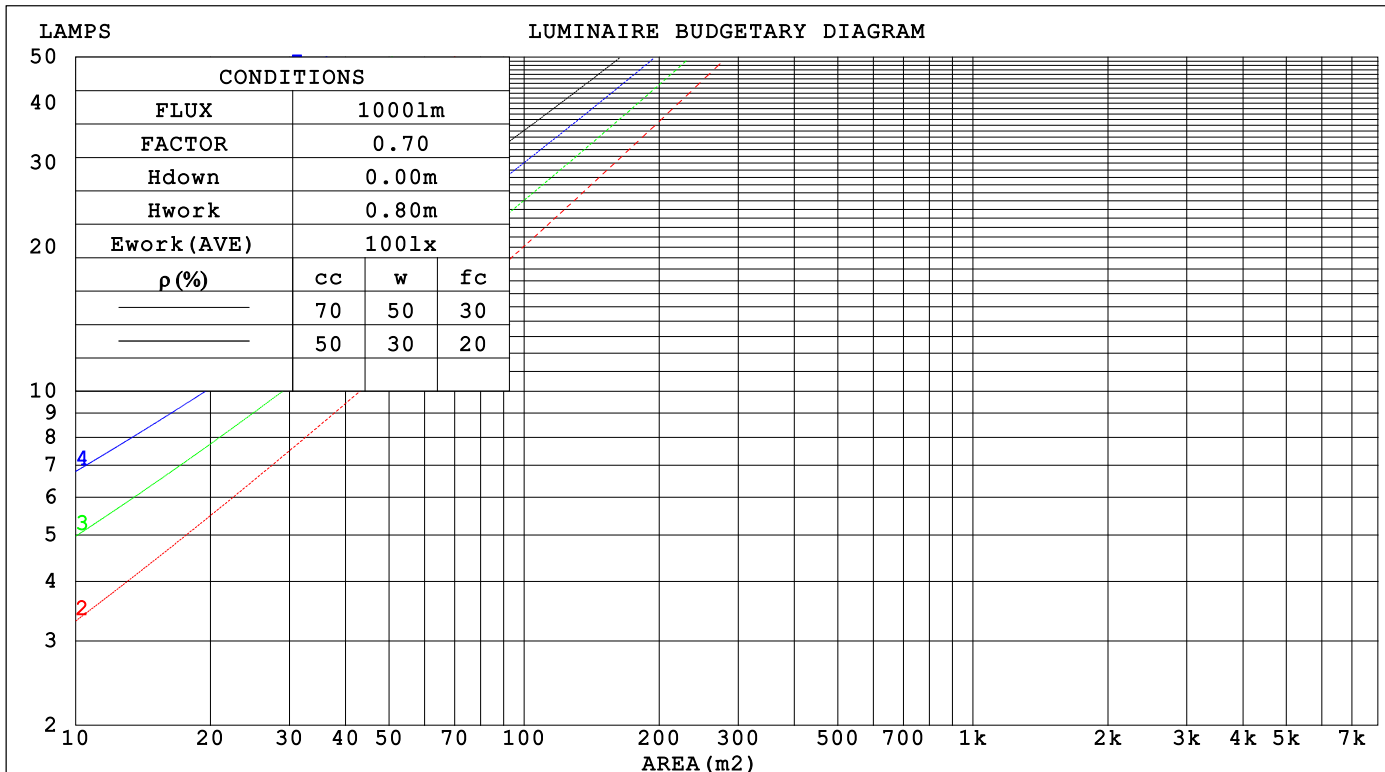
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圓桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m ²	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.78	.70	.63	.71	.64	.57	.57	.52	.46	.45	.40	.36	.33	.29	.26	.20
2.0	.64	.54	.45	.57	.48	.41	.45	.38	.32	.34	.29	.24	.24	.20	.16	.11
3.0	.54	.43	.34	.48	.39	.31	.38	.30	.24	.28	.22	.17	.19	.15	.11	.06
4.0	.47	.36	.27	.42	.32	.24	.33	.25	.19	.24	.18	.13	.16	.12	.08	.03
5.0	.41	.30	.22	.37	.27	.20	.29	.21	.15	.21	.15	.10	.14	.10	.06	.02
6.0	.36	.26	.19	.32	.23	.17	.26	.18	.13	.19	.13	.09	.13	.08	.05	.01
7.0	.32	.23	.16	.29	.20	.14	.23	.16	.11	.17	.12	.07	.12	.07	.04	.01
8.0	.29	.20	.14	.26	.18	.12	.21	.14	.09	.16	.10	.06	.11	.07	.03	.01
9.0	.27	.18	.12	.24	.16	.11	.19	.13	.08	.14	.09	.05	.10	.06	.03	.00
10.0	.24	.16	.11	.22	.14	.09	.18	.11	.07	.13	.08	.05	.09	.05	.02	.00



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3℃
 Operators:
 Test Date: 2023-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圓桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	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	.569	.323	.102	.546	.311	.099	.503	.289	.092	.463	.267	.086	.427	.248	.080		
2.0	.431	.236	.072	.410	.226	.070	.371	.206	.064	.334	.188	.059	.301	.170	.054		
3.0	.355	.189	.057	.336	.180	.054	.300	.163	.049	.267	.146	.045	.236	.131	.040		
4.0	.305	.158	.047	.287	.150	.044	.254	.135	.040	.224	.120	.036	.195	.106	.032		
5.0	.268	.136	.040	.252	.129	.038	.222	.115	.034	.194	.102	.030	.167	.089	.027		
6.0	.239	.120	.034	.225	.114	.033	.197	.101	.029	.171	.089	.026	.147	.077	.023		
7.0	.217	.107	.030	.203	.101	.029	.177	.090	.026	.153	.079	.023	.131	.068	.020		
8.0	.198	.097	.027	.186	.091	.026	.162	.081	.023	.139	.071	.020	.118	.061	.018		
9.0	.182	.088	.025	.171	.083	.023	.149	.074	.021	.128	.064	.018	.108	.055	.016		
10.0	.169	.081	.023	.158	.076	.021	.138	.067	.019	.118	.059	.017	.100	.050	.014		

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	.572	.572	.572	.489	.489	.489	.334	.334	.334	.192	.192	.192	.061	.061	.061		
1.0	.583	.539	.499	.499	.462	.429	.341	.318	.297	.196	.184	.173	.063	.059	.056		
2.0	.578	.519	.469	.495	.447	.405	.339	.309	.283	.196	.180	.166	.063	.058	.054		
3.0	.571	.505	.452	.489	.435	.392	.336	.302	.275	.194	.177	.162	.062	.057	.053		
4.0	.562	.494	.441	.482	.427	.383	.332	.297	.270	.192	.174	.160	.062	.057	.053		
5.0	.553	.485	.434	.475	.419	.378	.327	.293	.267	.190	.172	.158	.061	.056	.052		
6.0	.545	.478	.429	.468	.414	.374	.323	.290	.265	.187	.170	.157	.060	.056	.052		
7.0	.537	.472	.426	.462	.409	.371	.319	.287	.263	.185	.169	.156	.060	.055	.052		
8.0	.530	.466	.423	.456	.405	.369	.316	.284	.262	.184	.168	.156	.059	.055	.052		
9.0	.523	.462	.421	.451	.401	.367	.312	.282	.260	.182	.166	.155	.059	.055	.051		
10.0	.517	.458	.419	.445	.398	.365	.309	.280	.260	.180	.165	.155	.058	.054	.051		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm											
NAME: 1013 圆桶壁灯 16W 普瑞 COB FULL 085B-L						TYPE:		WEIGHT:			
SPEC.: 3500K						DIM.:		SERIAL No.:			
MFR.:						SUR.: 0.00477m²		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		25.1	26.3	26.0	27.2	28.4	-7.5	-6.3	-6.6	-5.3	-4.1
3H		31.9	33.0	32.8	33.9	35.2	-6.8	-5.7	-6.0	-4.8	-3.5
4H		36.7	37.8	37.6	38.7	40.0	-6.2	-5.1	-5.3	-4.1	-2.9
6H		41.7	42.7	42.6	43.6	44.9	-5.1	-4.1	-4.2	-3.2	-1.9
8H		44.0	45.0	45.0	46.0	47.3	-4.5	-3.5	-3.6	-2.5	-1.3
12H		46.4	47.3	47.3	48.3	49.6	-3.7	-2.8	-2.8	-1.8	-0.5
4H 2H		24.8	25.9	25.7	26.8	28.1	14.4	15.5	15.3	16.4	17.7
3H		31.8	32.8	32.7	33.7	35.0	14.1	15.0	15.0	16.0	17.3
4H		36.7	37.6	37.6	38.6	39.9	13.9	14.8	14.8	15.7	17.1
6H		41.9	42.7	42.8	43.7	45.0	13.7	14.5	14.6	15.5	16.8
8H		44.5	45.3	45.5	46.3	47.6	13.6	14.4	14.6	15.4	16.7
12H		47.1	47.9	48.1	48.9	50.2	13.5	14.2	14.5	15.2	16.6
8H 4H		36.4	37.2	37.4	38.2	39.5	22.1	22.9	23.1	23.9	25.3
6H		41.7	42.4	42.7	43.4	44.8	22.0	22.6	23.0	23.7	25.0
8H		44.4	45.1	45.4	46.1	47.5	21.9	22.5	22.9	23.5	24.9
12H		47.4	48.0	48.4	49.0	50.4	21.8	22.4	22.8	23.4	24.8
12H 4H		36.3	37.1	37.3	38.1	39.4	25.7	26.5	26.7	27.5	28.8
6H		41.6	42.3	42.6	43.3	44.7	25.8	26.4	26.7	27.4	28.8
8H		44.4	44.9	45.4	46.0	47.4	25.7	26.2	26.7	27.3	28.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.2 / - 0.2					+ 0.3 / - 0.4				
1.5H		+ 0.5 / - 0.4					+ 0.9 / - 0.3				
2.0H		+ 0.9 / - 0.8					+ 1.8 / - 1.1				

CIE Pub.117, 1597 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)
Area: 0.00477 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圓桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:

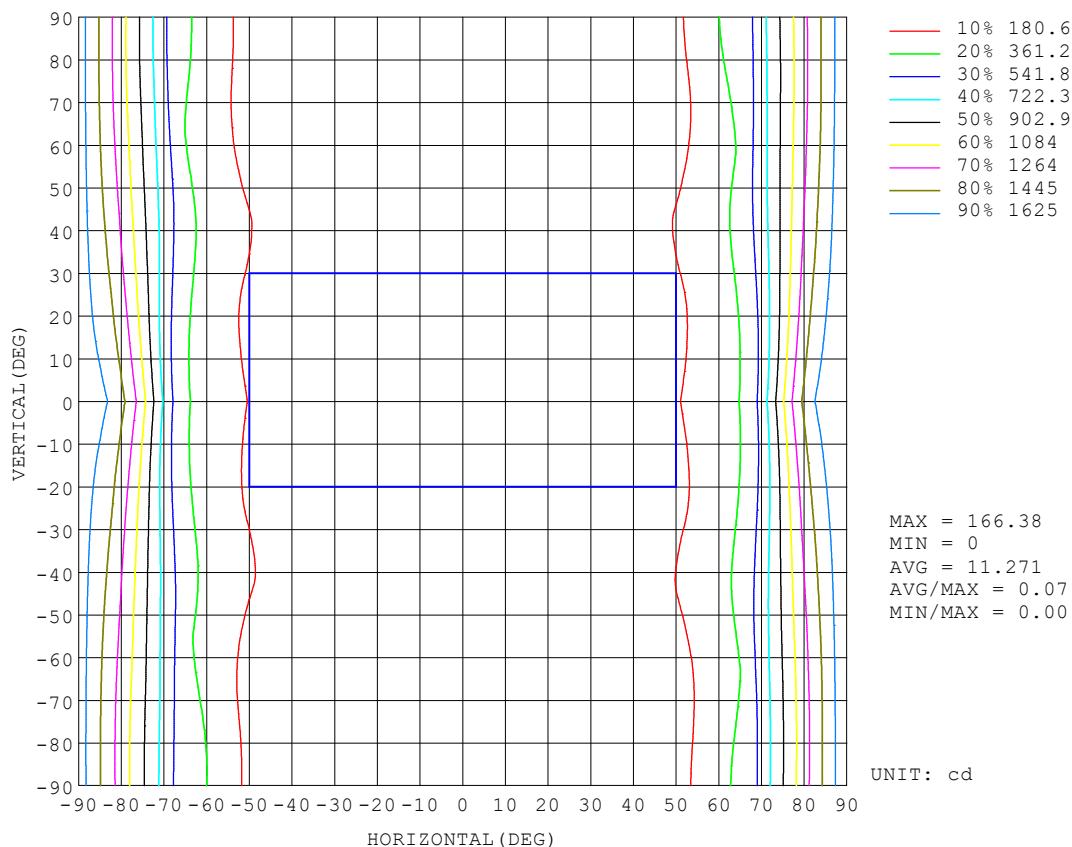
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	30	16	8	28	15	8	26	14	7	0
0.80	37	21	11	35	20	11	31	18	10	1
1.00	43	26	15	40	24	14	35	24	12	2
1.25	49	31	20	45	29	18	39	25	16	3
1.50	54	36	24	50	34	23	42	29	19	5
2.00	61	45	32	57	41	30	48	35	25	8
2.50	67	51	38	62	47	36	52	40	30	11
3.00	71	56	44	65	52	41	55	44	34	13
4.00	77	64	53	71	59	49	59	49	41	17
5.00	82	69	59	75	64	54	62	54	46	21
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: 25.3°C
Operators:
Test Date: 2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圆桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:

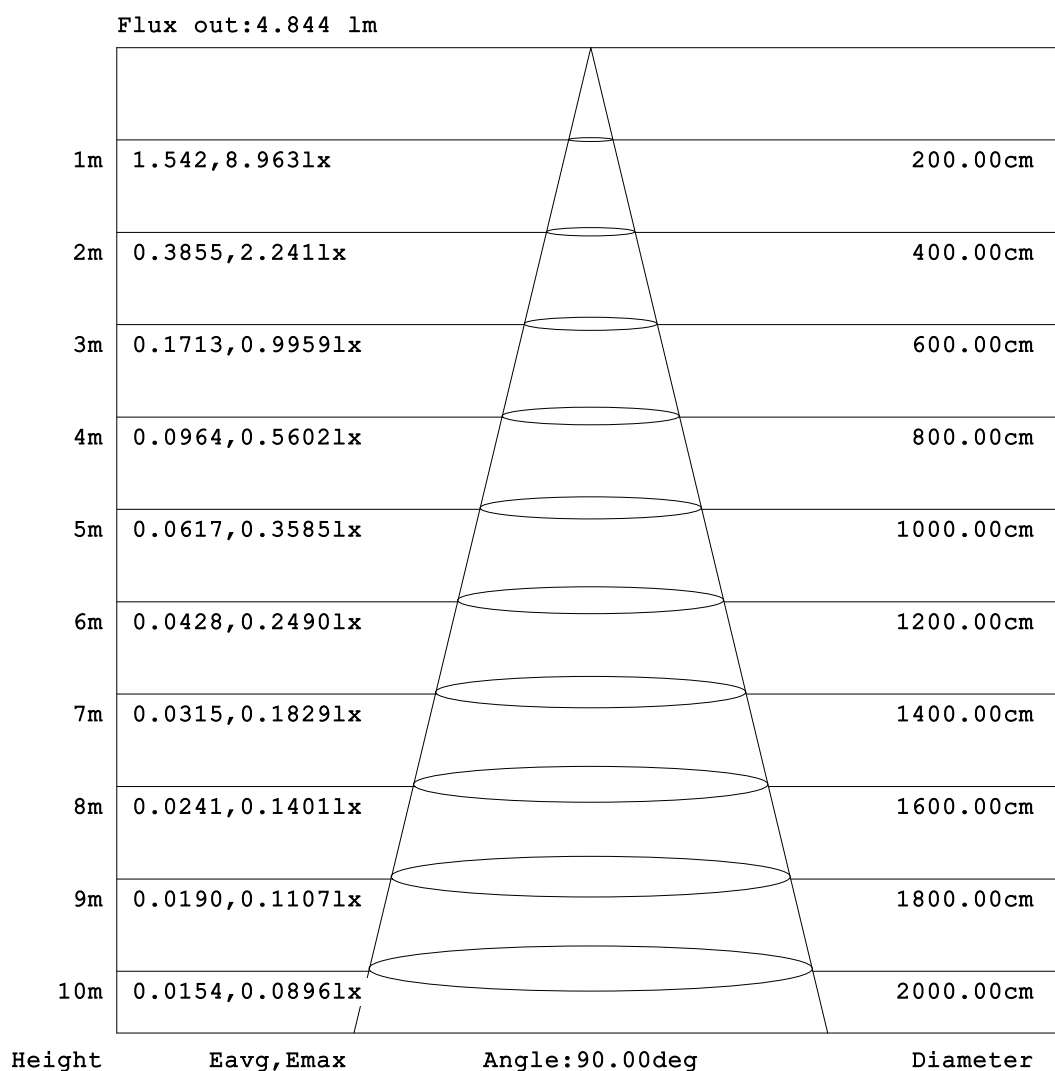


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圓桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:



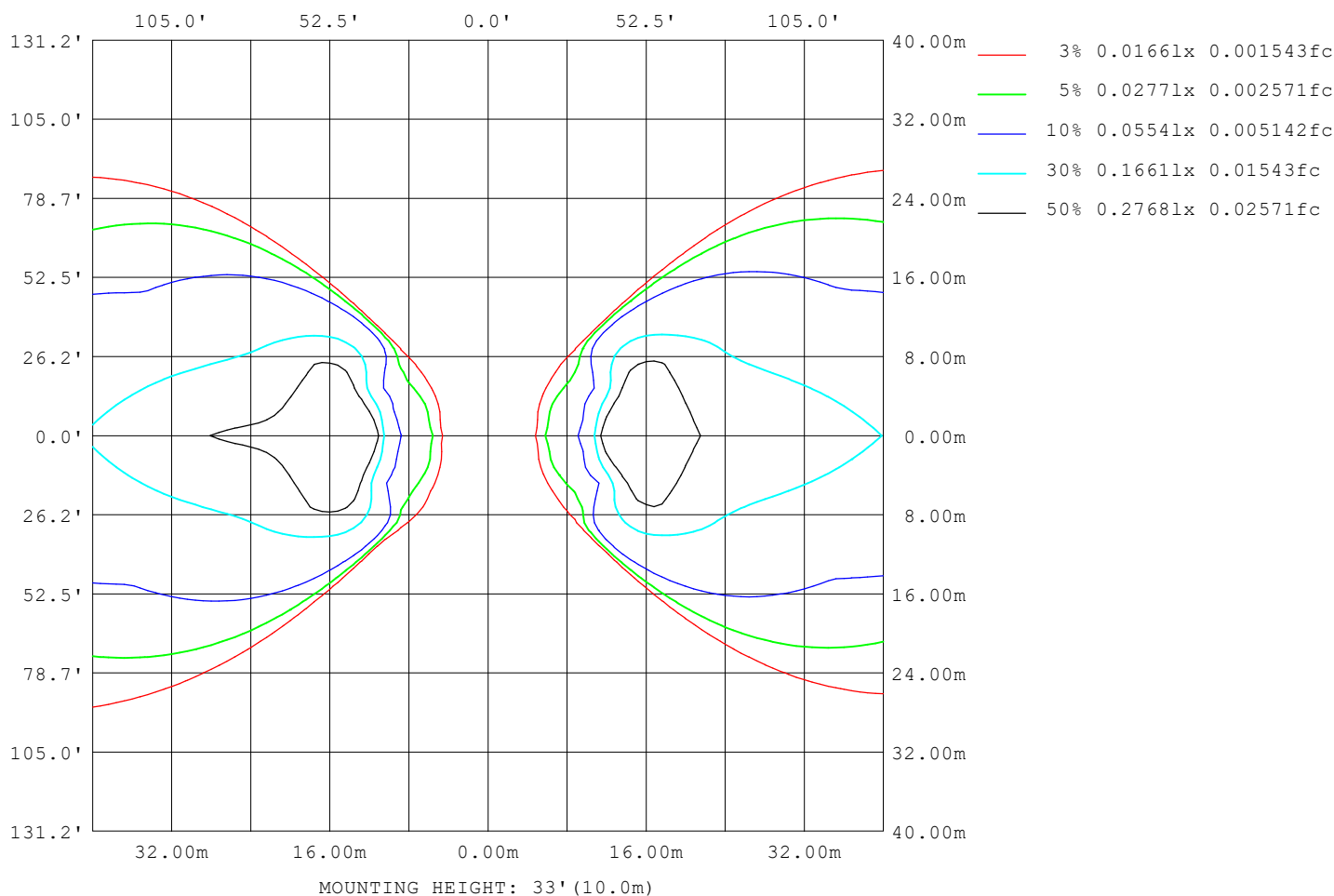
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圓桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圆桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:

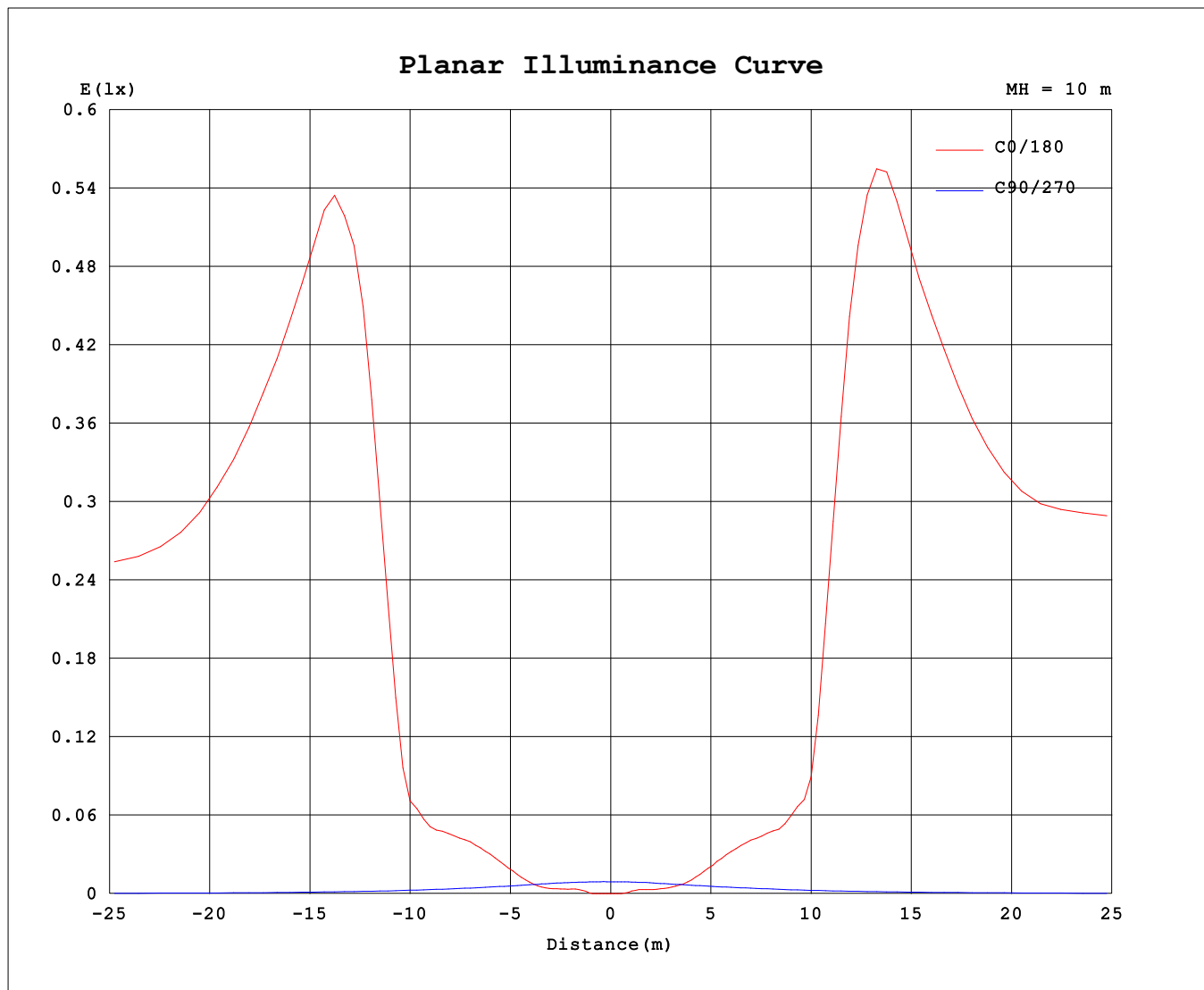
AvgL	cd/m2
L_0~180 (65) av	188980
L_0~180 (75) av	894569
L_0~180 (85) av	4055123
L_90~270 (65) av	93
L_90~270 (75) av	150
L_90~270 (85) av	443
L_45 (65) av	21123
L_45 (75) av	50701
L_45 (85) av	217387

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-12-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2023-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.78V I:0.1336A P:15.817W PF:0.9886 Freq:59.98Hz Lamp Flux:1596.88x1 lm		
NAME: 1013 圓桶壁灯 16W 普瑞 COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	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	0.00	0.00	0.25	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.25	0.00			
5	0.01	0.05	0.23	0.25	0.25	0.27	0.45	0.09	0.11	0.05	0.69	0.27	0.25	0.23	0.37	0.00			
10	0.37	0.32	1.14	0.26	0.25	0.32	1.32	0.33	0.34	0.32	1.66	0.32	0.24	0.23	1.14	0.28			
15	0.42	0.37	1.91	0.28	0.24	0.40	1.54	0.42	0.46	0.39	2.12	0.38	0.23	0.24	1.54	0.35			
20	0.73	0.58	1.80	0.36	0.23	0.45	1.90	0.77	0.92	0.69	2.49	0.48	0.22	0.33	1.51	0.55			
25	1.98	1.29	2.22	0.41	0.23	0.47	2.79	1.79	2.30	1.61	3.41	0.53	0.22	0.39	1.98	1.36			
30	4.23	2.84	3.55	0.40	0.22	0.49	4.71	3.60	4.60	3.30	5.21	0.54	0.21	0.39	3.14	3.02			
35	7.22	5.13	6.74	0.39	0.21	0.52	7.95	5.99	7.45	5.55	8.70	0.55	0.21	0.39	5.92	5.34			
40	10.6	7.70	11.52	0.40	0.21	0.57	12.62	8.68	11.0	8.16	13.50	0.58	0.20	0.40	9.89	8.00			
45	20.1	10.9	17.63	0.43	0.20	0.63	17.79	13.2	25.4	11.4	19.49	0.65	0.20	0.41	15.14	11.3			
50	142	19.0	24.89	0.44	0.20	0.68	23.30	30.7	166	23.0	26.52	0.69	0.19	0.45	20.67	20.8			
55	277	106	31.93	0.46	0.19	0.74	29.03	150	281	126	33.61	0.72	0.19	0.47	26.30	123			
60	307	234	37.81	0.50	0.19	0.81	34.5	266	311	246	40.03	0.77	0.19	0.52	31.97	253			
65	366	286	43.94	0.55	0.18	0.92	42.6	294	395	285	46.6	0.83	0.19	0.60	37.2	293			
70	615	307	49.3	0.61	0.18	1.00	53.1	318	700	304	53.0	0.89	0.19	0.68	44.4	317			
75	1062	329	61.4	0.66	0.18	1.06	63.4	359	1147	329	66.3	0.95	0.19	0.77	59.3	346			
80	1484	370	72.3	0.71	0.18	1.12	74.5	435	1494	368	76.9	0.99	0.19	0.86	71.4	403			
85	1706	422	76.1	0.74	0.18	1.13	96.8	508	1666	417	84.7	1.02	0.19	0.90	104	480			
90	1785	453	80.5	0.74	0.18	1.13	104	526	1717	435	86.4	1.01	0.18	0.93	124	520			
95	1779	435	77.3	0.72	0.17	1.10	88.1	478	1689	407	83.1	1.01	0.17	0.92	115	496			
100	1578	386	72.2	0.69	0.17	1.03	66.1	394	1454	355	74.7	0.96	0.16	0.91	84.3	424			
105	1167	341	64.0	0.64	0.16	0.96	55.5	333	1031	319	61.3	0.90	0.16	0.84	62.2	357			
110	703	311	52.0	0.58	0.15	0.88	39.7	303	590	297	49.2	0.82	0.15	0.74	48.8	323			
115	398	291	46.8	0.51	0.15	0.77	33.97	282	353	277	43.16	0.76	0.14	0.65	38.1	299			
120	314	264	41.09	0.45	0.14	0.69	28.98	241	298	229	36.86	0.69	0.14	0.56	33.73	273			
125	282	153	34.30	0.40	0.14	0.63	23.91	119	269	101	31.02	0.63	0.14	0.48	28.19	172			
130	192	29.9	27.09	0.36	0.14	0.59	18.72	18.9	140	18.0	24.01	0.58	0.13	0.43	22.64	39.7			
135	32.3	11.8	19.92	0.33	0.14	0.54	13.71	9.97	19.6	10.4	17.17	0.53	0.13	0.37	17.00	12.3			
140	10.8	8.55	13.03	0.31	0.14	0.48	9.27	7.16	9.95	7.30	11.25	0.49	0.13	0.32	11.63	8.82			
145	7.55	5.79	7.62	0.31	0.13	0.43	5.78	4.81	6.66	4.83	6.84	0.44	0.13	0.28	6.83	6.07			
150	4.65	3.30	4.22	0.31	0.13	0.40	3.49	2.70	3.89	2.71	4.25	0.41	0.12	0.27	3.39	3.55			
155	2.26	1.51	2.47	0.31	0.13	0.37	2.38	1.28	1.86	1.30	2.82	0.37	0.12	0.29	1.66	1.66			
160	0.88	0.60	1.84	0.28	0.12	0.30	1.79	0.62	0.78	0.65	2.01	0.32	0.12	0.31	1.34	0.64			
165	0.44	0.36	1.67	0.23	0.12	0.19	1.54	0.37	0.41	0.39	1.71	0.23	0.11	0.26	1.30	0.34			
170	0.32	0.34	1.50	0.15	0.12	0.14	0.87	0.27	0.29	0.30	0.86	0.18	0.11	0.16	1.11	0.32			
175	0.11	0.04	0.46	0.14	0.11	0.14	0.26	0.00	0.02	0.04	0.16	0.15	0.11	0.14	0.27	0.09			
180	0.00	0.00	0.12	0.13	0.11	0.13	0.12	0.00	0.00	0.00	0.05	0.15	0.11	0.13	0.12	0.00			

C Range: 0 - 360DEG
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