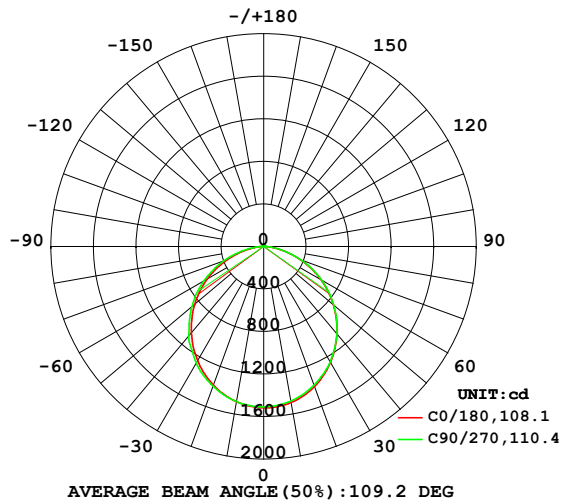


LUMINAIRE PHOTOMETRIC TEST REPORT

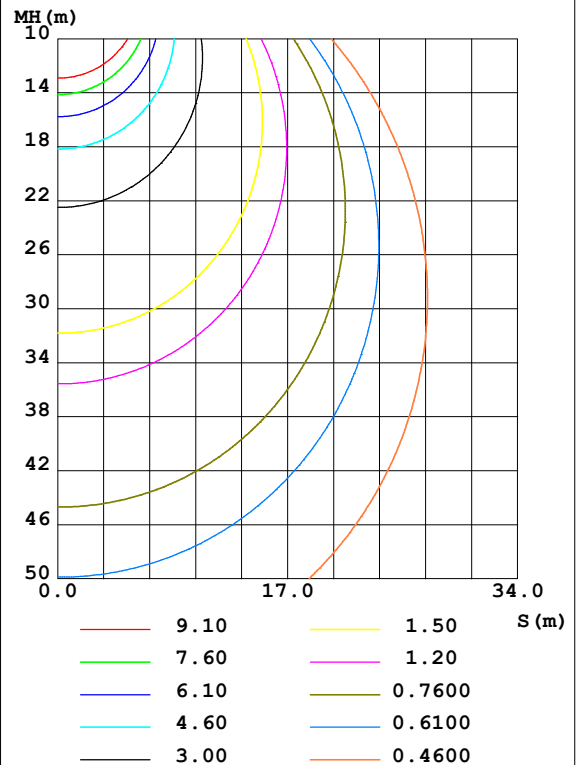
Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.38 lm/W			
MODEL	SMD 2835/LED	I _{max} (cd)	1518	S/MH (C0/180)	1.22
NOMINAL POWER (W)	42.5	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4166.3	η UP, DN (C0-180)	0.5, 49.0
NOMINAL FLUX (lm)	4166.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 50.1
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	222.9	η down (%)	99.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: MO FU MEI
 Test Date: 17-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.361
 Humidity: 65.0%
 Test Distance: 7.000m [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	1490	1485	1476	1465	1482	1479	1481	1487	0- 10	142.7	142.7	3.43,3.43
20	1401	1398	1387	1367	1387	1389	1398	1408	10- 20	406.9	549.6	13.2,13.2
30	1257	1259	1253	1222	1243	1249	1267	1275	20- 30	611.7	1161	27.9,27.9
40	1073	1079	1072	1040	1059	1071	1097	1101	30- 40	730.0	1891	45.4,45.4
50	856.9	863.5	862.0	825.6	846.9	861.4	882.8	895.7	40- 50	747.9	2639	63.3,63.3
60	619.0	626.5	627.0	588.5	612.2	624.2	656.1	657.6	50- 60	666.3	3306	79.3,79.3
70	369.3	376.9	376.4	340.7	363.9	376.4	400.7	409.5	60- 70	496.3	3802	91.3,91.3
80	131.3	136.7	133.8	108.3	128.1	137.0	154.3	165.1	70- 80	267.4	4069	97.7,97.7
90	1.775	2.745	2.649	2.557	1.841	2.861	4.653	5.801	80- 90	57.25	4127	99,99
100	2.872	3.106	3.630	3.528	2.448	2.672	2.923	2.528	90-100	2.730	4129	99.1,99.1
110	4.312	4.577	5.304	5.122	3.696	4.028	4.374	3.776	100-110	3.874	4133	99.2,99.2
120	5.860	5.842	6.863	6.706	5.206	5.640	5.958	5.178	110-120	5.102	4138	99.3,99.3
130	7.475	7.352	8.331	8.219	6.884	7.241	7.587	6.737	120-130	5.998	4144	99.5,99.5
140	9.100	8.793	9.715	9.597	8.594	8.719	9.072	8.293	130-140	6.377	4151	99.6,99.6
150	10.57	10.11	10.83	10.76	10.25	10.12	10.42	9.778	140-150	6.064	4157	99.8,99.8
160	11.88	11.11	11.69	11.66	11.64	11.36	11.42	11.00	150-160	5.053	4162	99.9,99.9
170	12.86	12.19	12.33	12.31	12.81	12.35	12.22	11.95	160-170	3.377	4165	100,100
180	13.30	12.82	12.65	12.58	13.30	12.83	12.66	12.58	170-180	1.198	4166	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2269.5 lm

%lum = 54.5%

%lamp = 54.5%

Conical surface Flux(120deg): 3305.5 lm

%lum = 79.3%

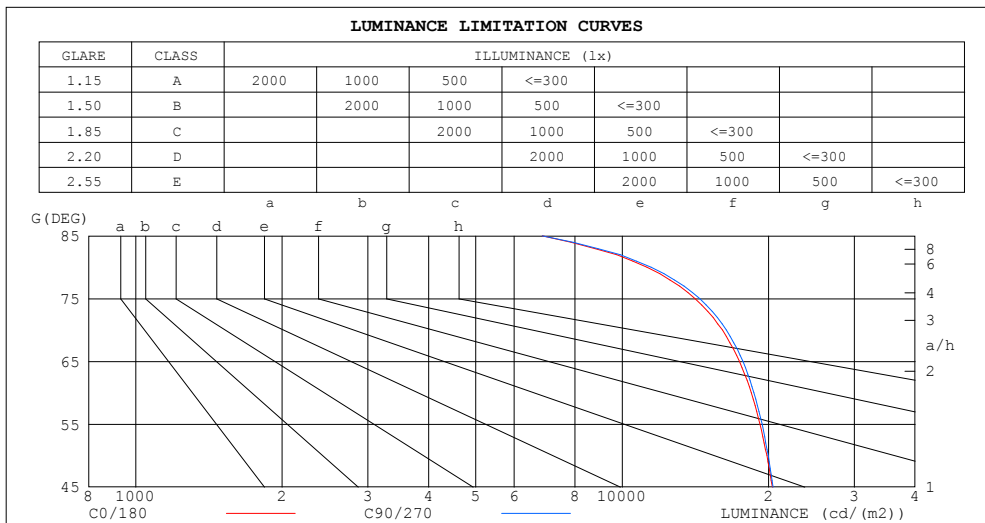
%lamp = 79.3%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120



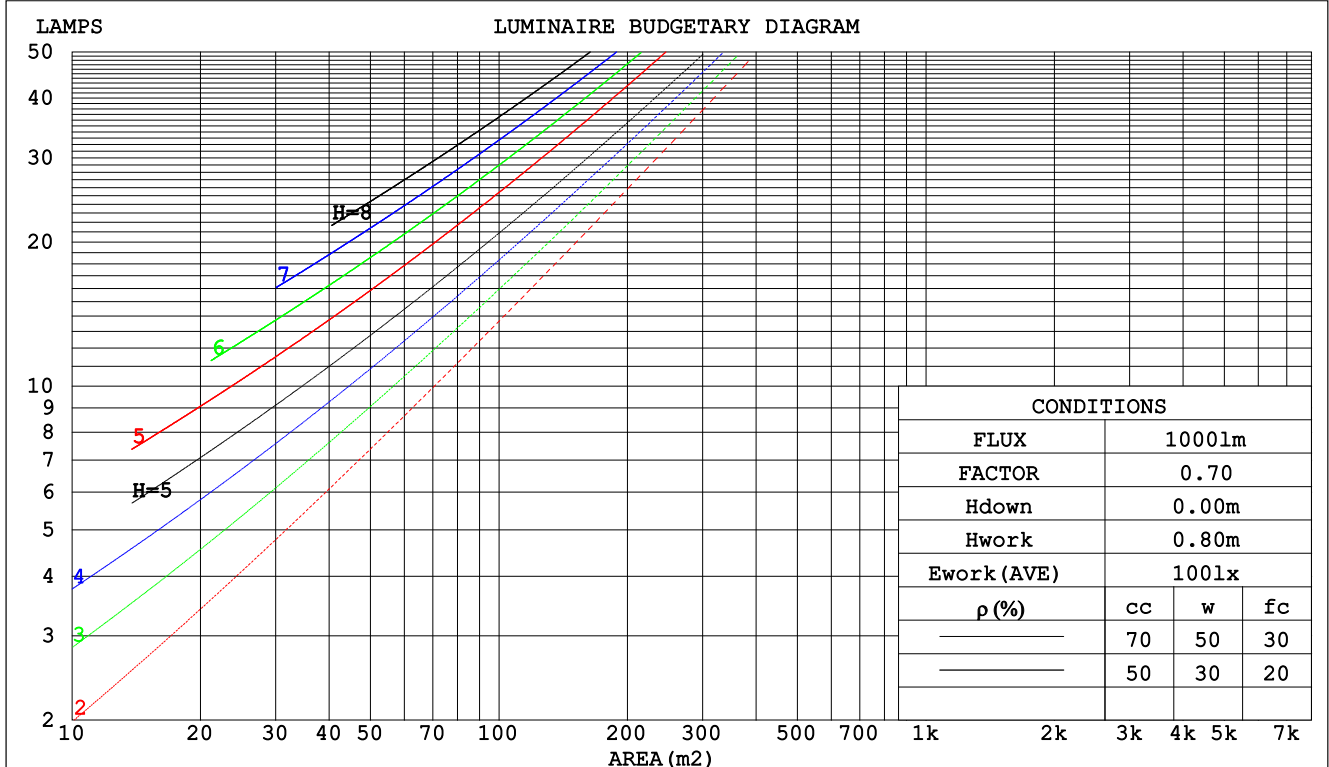
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.04	.00	.96	1.02	.98	.95	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2.0	.91	.84	.79	.89	.83	.78	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.48	.62	.54	.47	.60	.53	.47	.58	.51	.46	.56	.50	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.30	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.36	.31	.26	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:MO FU MEI
 Test Date:17-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120

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	.300	.171	.054	.293	.167	.053	.279	.160	.051	.267	.154	.049	.255	.148	.048		
2.0	.285	.156	.048	.279	.153	.047	.267	.148	.046	.255	.143	.045	.245	.139	.044		
3.0	.265	.141	.042	.259	.139	.042	.249	.135	.041	.239	.131	.040	.229	.127	.039		
4.0	.245	.128	.037	.240	.126	.037	.231	.122	.037	.222	.119	.036	.214	.116	.035		
5.0	.227	.116	.034	.223	.114	.033	.214	.112	.033	.206	.109	.032	.199	.106	.032		
6.0	.211	.106	.030	.207	.105	.030	.200	.102	.030	.192	.100	.029	.186	.098	.029		
7.0	.197	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027		
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024		
9.0	.173	.083	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021		

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	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.187	.164	.142	.160	.140	.123	.109	.097	.085	.063	.056	.049	.020	.018	.016	
2.0	.179	.139	.106	.153	.120	.092	.105	.083	.064	.060	.048	.038	.019	.016	.012	
3.0	.171	.122	.082	.147	.105	.071	.101	.073	.050	.058	.043	.030	.019	.014	.010	
4.0	.163	.108	.066	.140	.094	.058	.096	.065	.041	.056	.038	.024	.018	.012	.008	
5.0	.156	.098	.055	.134	.085	.048	.092	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.149	.090	.047	.128	.078	.041	.088	.054	.029	.051	.032	.017	.017	.010	.006	
7.0	.142	.083	.041	.122	.072	.036	.084	.050	.025	.049	.030	.015	.016	.010	.005	
8.0	.136	.077	.036	.117	.067	.032	.081	.047	.023	.047	.028	.013	.015	.009	.004	
9.0	.130	.072	.033	.112	.062	.029	.077	.044	.020	.045	.026	.012	.015	.009	.004	
10.0	.124	.068	.030	.107	.059	.026	.074	.041	.019	.043	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm										
NAME: SC-SL8456-040-AW-A02-01WW					TYPE:LED Linear Lihgt			WEIGHT:Kg		
SPEC.:40W					DIM.: 1203*56*84(MM)			SERIAL No.:01		
MFR.: Signcomplex					SUR.:1200*56(MM)			Shielding Angle:120		
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	18.1	19.6	18.4	19.8	20.0	18.2	19.7	18.5	19.9	20.2
3H	19.5	20.9	19.8	21.1	21.4	19.7	21.0	20.0	21.3	21.5
4H	20.0	21.3	20.3	21.6	21.9	20.2	21.5	20.5	21.8	22.0
6H	20.3	21.6	20.7	21.8	22.1	20.5	21.7	20.8	22.0	22.3
8H	20.4	21.6	20.7	21.9	22.2	20.6	21.7	20.9	22.0	22.3
12H	20.4	21.5	20.8	21.8	22.2	20.6	21.7	20.9	22.0	22.3
4H 2H	18.7	20.0	19.0	20.3	20.6	18.8	20.1	19.1	20.4	20.6
3H	20.3	21.4	20.6	21.7	22.1	20.4	21.6	20.8	21.9	22.2
4H	20.9	21.9	21.3	22.3	22.6	21.1	22.1	21.4	22.4	22.8
6H	21.3	22.2	21.7	22.6	23.0	21.5	22.4	21.9	22.8	23.2
8H	21.4	22.3	21.8	22.6	23.1	21.6	22.4	22.0	22.8	23.2
12H	21.4	22.2	21.9	22.6	23.0	21.6	22.4	22.1	22.8	23.2
8H 4H	21.1	22.0	21.6	22.4	22.8	21.3	22.1	21.7	22.5	22.9
6H	21.6	22.4	22.1	22.8	23.2	21.8	22.5	22.3	23.0	23.4
8H	21.8	22.4	22.3	22.9	23.3	22.0	22.6	22.5	23.1	23.5
12H	21.9	22.4	22.4	22.9	23.4	22.1	22.6	22.6	23.1	23.6
12H 4H	21.1	21.9	21.6	22.3	22.7	21.3	22.1	21.7	22.5	22.9
6H	21.7	22.3	22.2	22.8	23.2	21.8	22.5	22.3	22.9	23.4
8H	21.9	22.4	22.4	22.9	23.4	22.0	22.6	22.5	23.0	23.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 4166 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.0)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120

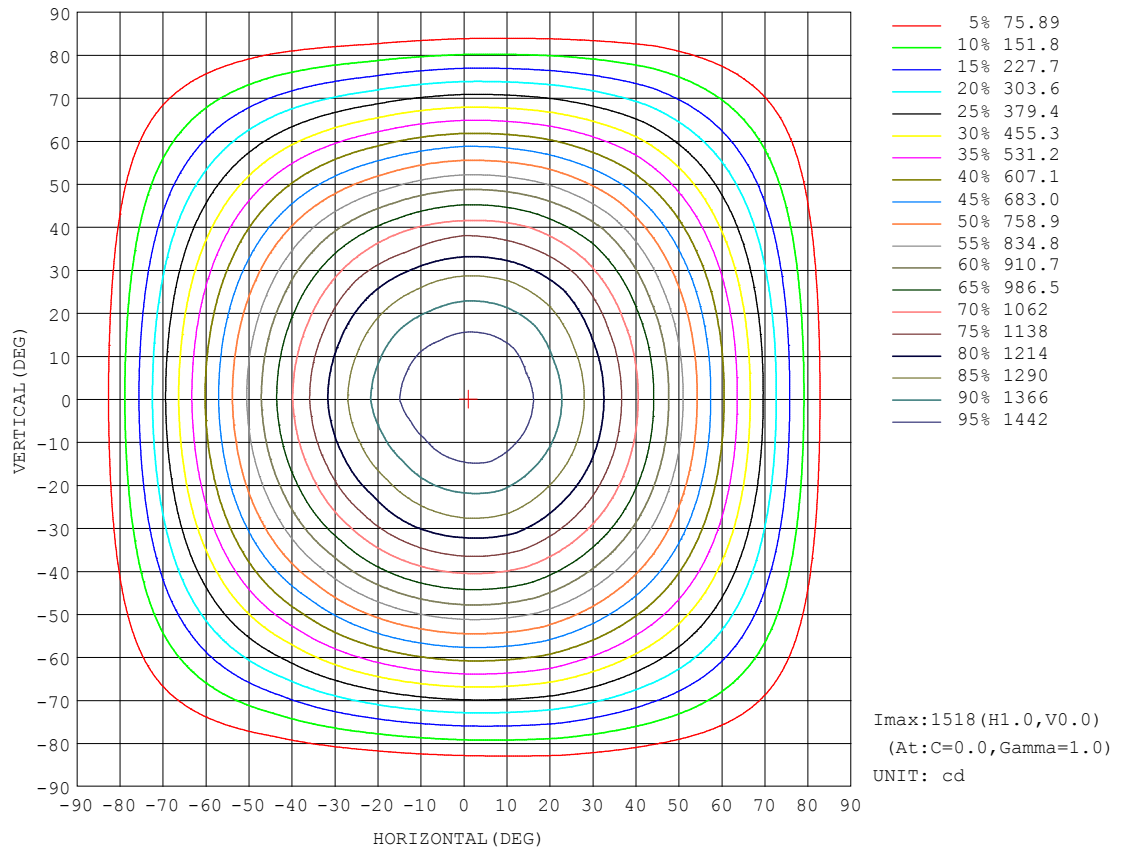
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	40	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	49	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	66	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	81	93	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120

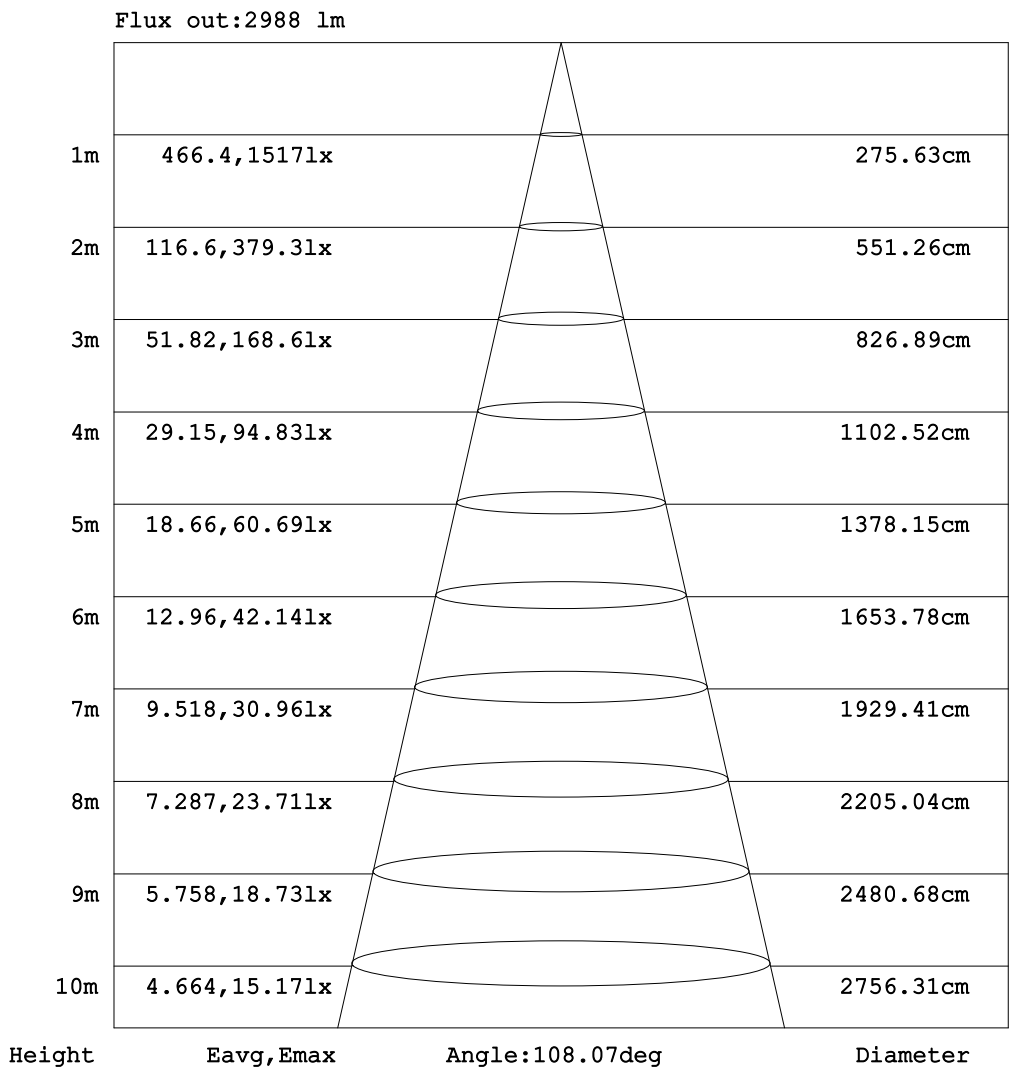


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120



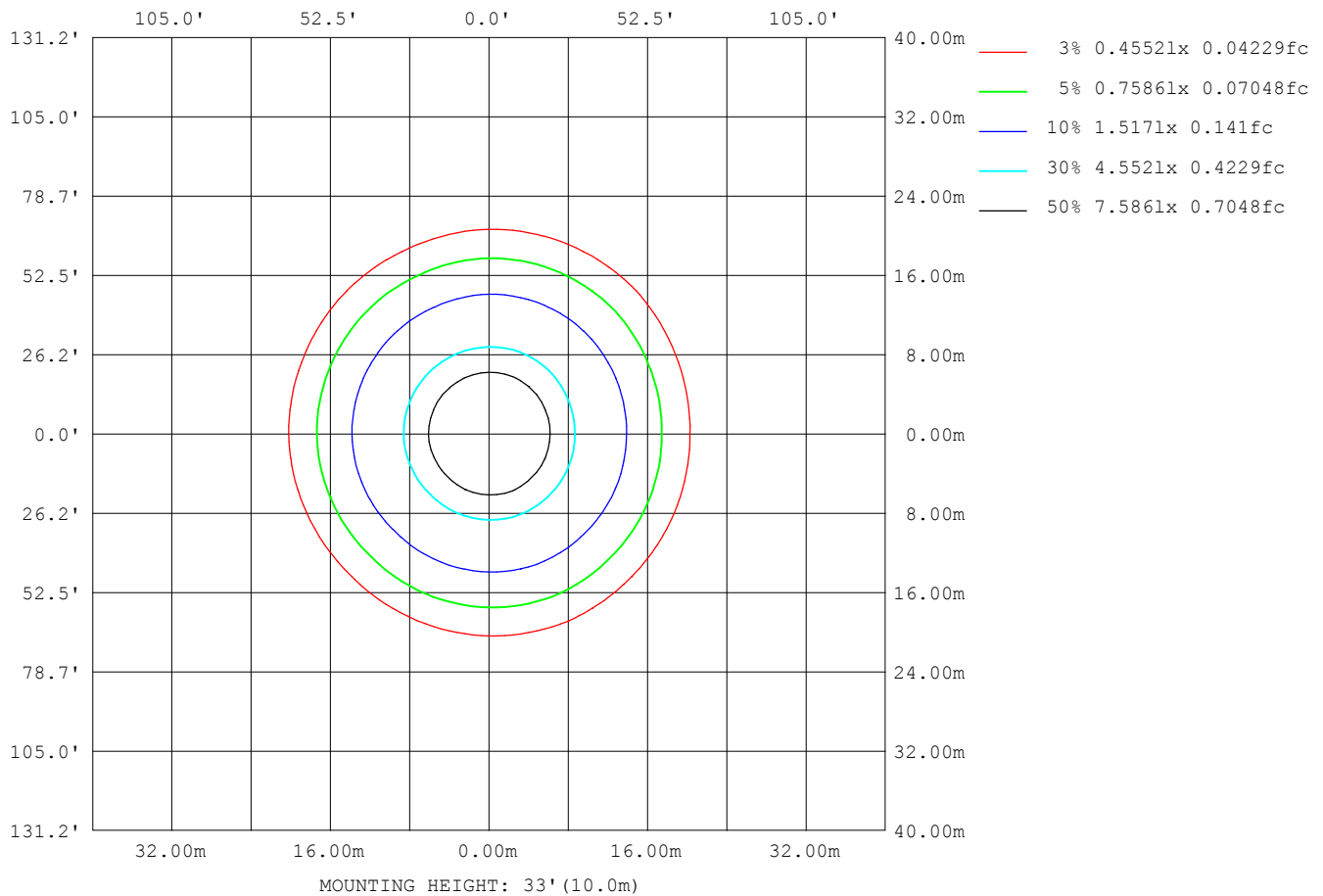
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120

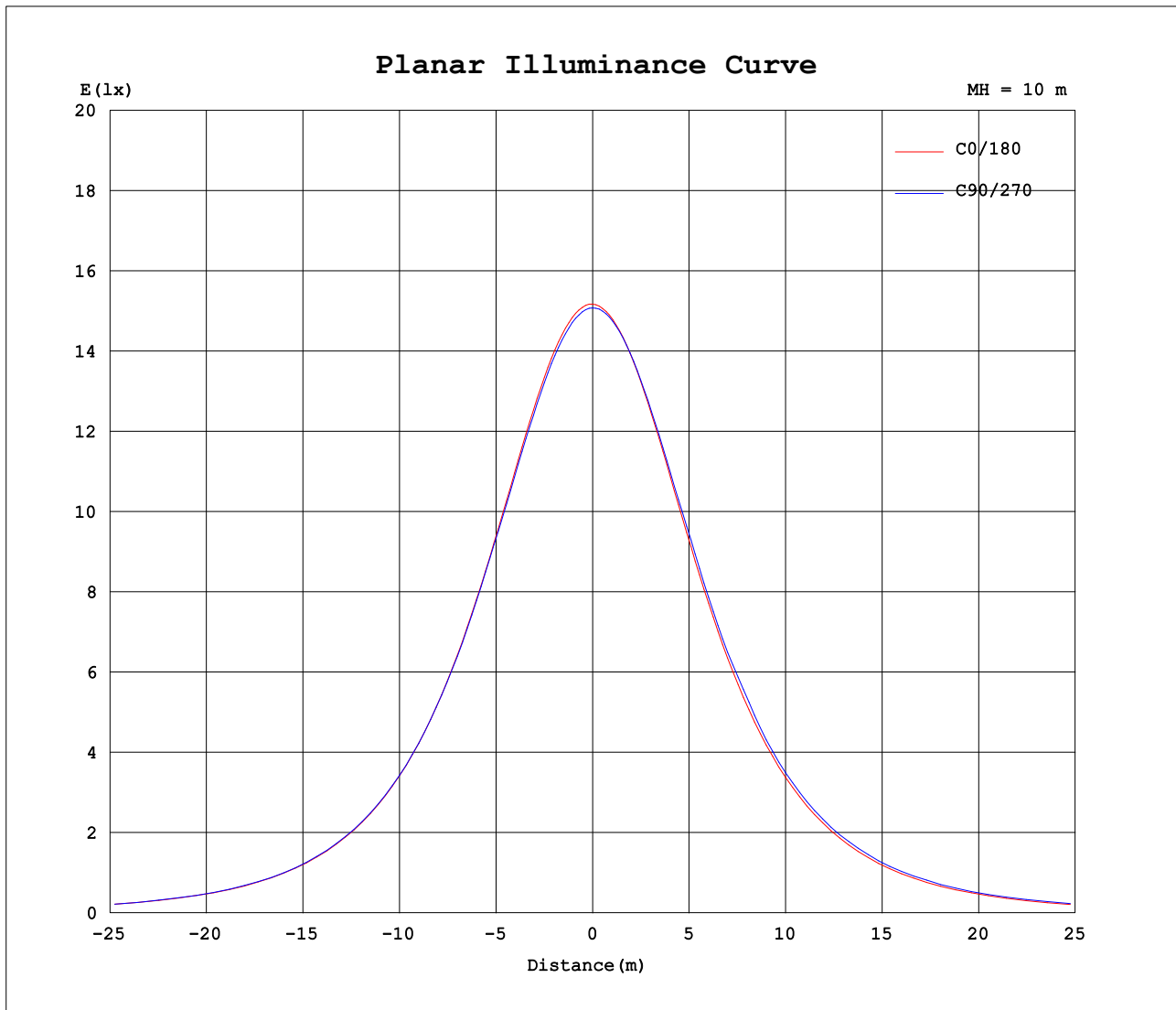
AvgL	cd/m2
L_0~180 (65) av	17319
L_0~180 (75) av	14017
L_0~180 (85) av	6744
L_90~270 (65) av	18130
L_90~270 (75) av	15122
L_90~270 (85) av	8114
L_45 (65) av	17638
L_45 (75) av	14521
L_45 (85) av	7606

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO FU MEI
Test Date:17-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: MO FU MEI
Test Date: 17-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.361
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.6V I:0.1920A P:40.30W PF:0.9570 Freq:50.00Hz Lamp Flux:4166.3x1 lm		
NAME: SC-SL8456-040-AW-A02-01WW	TYPE:LED Linear Lihgt	WEIGHT:Kg
SPEC.:40W	DIM.: 1203*56*84 (MM)	SERIAL No.:01
MFR.: Signcomplex	SUR.:1200*56 (MM)	Shielding Angle:120

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	1517	1514	1512	1510	1508	1507	1506	1506	1517	1514	1512	1510	1508	1507	1506	1506			
5	1512	1509	1506	1504	1499	1496	1493	1494	1507	1504	1504	1501	1502	1503	1504	1503			
10	1490	1488	1485	1483	1476	1471	1465	1468	1482	1479	1479	1477	1481	1485	1487	1482			
15	1453	1451	1448	1448	1439	1431	1423	1427	1441	1439	1441	1439	1446	1451	1454	1447			
20	1401	1400	1398	1400	1387	1378	1367	1373	1387	1385	1389	1388	1398	1405	1408	1399			
25	1335	1335	1334	1337	1324	1313	1300	1305	1321	1319	1324	1325	1340	1345	1348	1335			
30	1257	1258	1259	1267	1253	1241	1222	1227	1243	1242	1249	1256	1267	1279	1275	1260			
35	1170	1171	1173	1180	1165	1150	1137	1140	1155	1155	1166	1165	1183	1191	1195	1173			
40	1073	1074	1079	1086	1072	1056	1040	1044	1059	1059	1071	1082	1097	1108	1101	1078			
45	968	970	974	984	970	952	934	940	957	957	967	971	990	1000	999	976			
50	857	859	863	875	862	843	826	831	847	849	861	862	883	892	896	867			
55	740	744	747	761	747	728	708	719	732	737	744	749	772	779	777	754			
60	619	622	627	640	627	608	588	597	612	615	624	629	656	659	658	633			
65	495	498	503	515	503	484	465	474	489	492	501	505	527	535	535	510			
70	369	373	377	389	376	358	341	350	364	367	376	379	401	409	409	385			
75	246	249	253	263	251	234	219	229	242	244	253	254	275	283	285	262			
80	131	133	137	144	134	119	108	117	128	130	137	137	154	163	165	145			
85	40.1	41.6	43.2	47.6	40.1	32.0	26.3	32.3	38.9	39.9	44.4	43.1	54.9	61.3	64.2	49.8			
90	1.77	2.23	2.75	3.09	2.65	2.73	2.56	2.25	1.84	2.28	2.86	2.95	4.65	5.23	5.80	2.52			
95	2.21	2.29	2.45	2.60	2.82	2.90	2.76	2.45	1.94	2.02	2.13	2.34	2.35	2.25	2.09	2.00			
100	2.87	2.91	3.11	3.33	3.63	3.71	3.53	3.12	2.45	2.51	2.67	2.92	2.92	2.77	2.53	2.44			
105	3.58	3.61	3.84	4.12	4.49	4.55	4.33	3.86	3.04	3.10	3.30	3.60	3.62	3.41	3.12	3.01			
110	4.31	4.36	4.58	4.88	5.30	5.37	5.12	4.64	3.70	3.79	4.03	4.37	4.37	4.10	3.78	3.65			
115	5.08	5.10	5.19	5.65	6.11	6.14	5.92	5.42	4.43	4.50	4.81	5.18	5.16	4.82	4.47	4.36			
120	5.86	5.90	5.84	6.40	6.86	6.91	6.71	6.21	5.21	5.24	5.64	6.03	5.96	5.57	5.18	5.10			
125	6.66	6.67	6.60	7.15	7.61	7.65	7.51	7.03	6.03	6.08	6.45	6.87	6.77	6.33	5.96	5.91			
130	7.47	7.45	7.35	7.90	8.33	8.37	8.22	7.82	6.88	6.92	7.24	7.68	7.59	7.10	6.74	6.72			
135	8.30	8.24	8.10	8.63	9.06	9.07	8.93	8.61	7.73	7.74	8.02	8.47	8.35	7.88	7.51	7.56			
140	9.10	8.93	8.79	9.33	9.72	9.72	9.60	9.35	8.59	8.55	8.72	9.22	9.07	8.63	8.29	8.35			
145	9.83	9.55	9.45	9.96	10.3	10.3	10.2	10.0	9.43	9.34	9.37	9.91	9.78	9.37	9.05	9.14			
150	10.6	10.2	10.1	10.6	10.8	10.8	10.8	10.6	10.2	10.1	10.1	10.6	10.4	10.0	9.78	9.90			
155	11.3	11.0	10.7	11.1	11.3	11.3	11.3	11.3	11.0	10.7	10.8	11.1	11.0	10.6	10.4	10.6			
160	11.9	11.7	11.1	11.6	11.7	11.7	11.7	11.7	11.6	11.4	11.4	11.6	11.4	11.2	11.0	11.3			
165	12.4	12.2	11.7	12.0	12.1	12.1	12.0	12.1	12.3	12.0	11.9	12.0	11.9	11.7	11.5	11.9			
170	12.9	12.7	12.2	12.3	12.3	12.3	12.3	12.5	12.8	12.6	12.3	12.4	12.2	12.0	12.0	12.3			
175	13.1	12.9	12.6	12.6	12.5	12.5	12.5	12.7	13.1	12.9	12.6	12.6	12.5	12.4	12.3	12.5			
180	13.3	13.1	12.8	12.8	12.7	12.6	12.6	12.8	13.3	13.1	12.8	12.7	12.7	12.6	12.6	12.8			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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