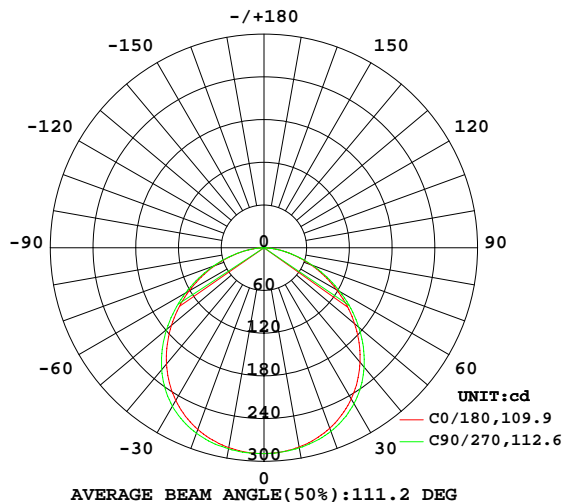


# LUMINAIRE PHOTOMETRIC TEST REPORT

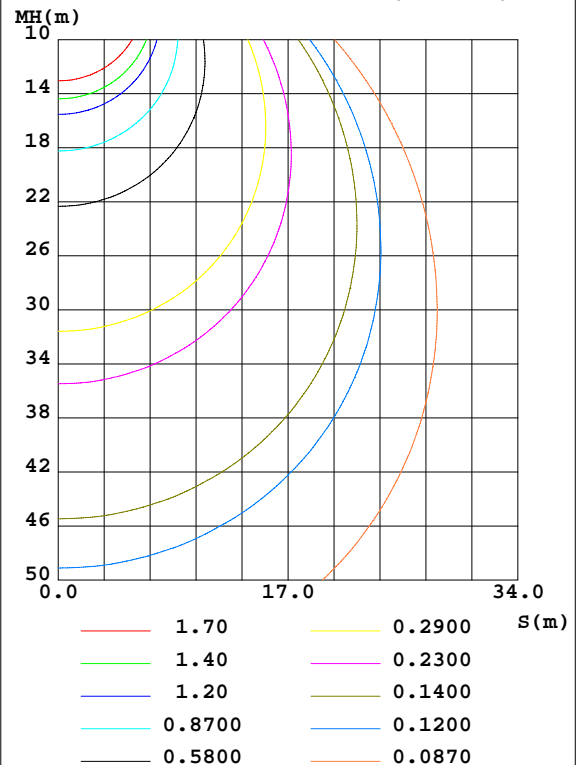
Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.71 lm/W			
MODEL	RSZ180416515-10	Imax(cd)	289.3	S/MH(C0/180)	1.26
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	819.95	$\eta$ UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	819.95	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,49.5
LAMPS INSIDE	1	$\eta$ up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	$\eta$ down(%)	99.9	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: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	285.1	286.1	286.7	285.5	284.3	284.5	285.4	285.2	0- 10	27.42	27.42	3.34,3.34
20	271.7	275.1	277.4	273.4	269.9	271.3	274.4	273.1	10- 20	79.22	106.6	13,13
30	247.6	253.3	257.3	250.8	245.0	247.9	252.9	250.8	20- 30	121.4	228.0	27.8,27.8
40	213.0	219.3	223.5	216.1	209.9	212.9	218.9	216.8	30- 40	146.8	374.8	45.7,45.7
50	169.6	174.9	178.4	171.4	166.2	168.4	173.9	172.8	40- 50	150.3	525.2	64,64
60	121.6	125.2	127.3	121.9	117.7	118.7	122.9	123.1	50- 60	131.8	657.0	80.1,80.1
70	73.29	75.11	76.01	72.37	70.20	69.96	72.67	73.67	60- 70	96.36	753.3	91.9,91.9
80	29.51	30.21	30.36	28.24	27.75	26.63	27.90	29.34	70- 80	52.82	806.2	98.3,98.3
90	0.0795	0.1086	0.0681	0.0523	0.0175	0.0197	0.0203	0.0208	80- 90	13.07	819.2	99.9,99.9
100	0.0589	0.0610	0.0631	0.0617	0.0317	0.0352	0.0345	0.0326	90-100	0.0424	819.3	99.9,99.9
110	0.0683	0.0721	0.0763	0.0731	0.0517	0.0550	0.0543	0.0494	100-110	0.0587	819.3	99.9,99.9
120	0.0825	0.0825	0.0879	0.0847	0.0787	0.0800	0.0782	0.0718	110-120	0.0699	819.4	99.9,99.9
130	0.1161	0.1177	0.1252	0.1215	0.1096	0.1117	0.1090	0.1021	120-130	0.0861	819.5	99.9,99.9
140	0.1767	0.1919	0.1974	0.1885	0.1452	0.1499	0.1512	0.1429	130-140	0.1078	819.6	100,100
150	0.2649	0.2997	0.3010	0.2939	0.1720	0.1784	0.1843	0.1797	140-150	0.1257	819.7	100,100
160	0.3454	0.3553	0.3594	0.3513	0.2121	0.2047	0.2133	0.2028	150-160	0.1203	819.8	100,100
170	0.3347	0.3328	0.3289	0.3253	0.2386	0.2244	0.2133	0.2143	160-170	0.0796	819.9	100,100
180	0.2956	0.2761	0.2709	0.2845	0.2966	0.2857	0.2680	0.2694	170-180	0.0264	819.9	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 8.5 %									UNIT:lm		

Conical surface Flux(90deg): 451 lm

%lum = 55.0%

%lamp = 55.0%

Conical surface Flux(120deg): 656.99 lm

%lum = 80.1%

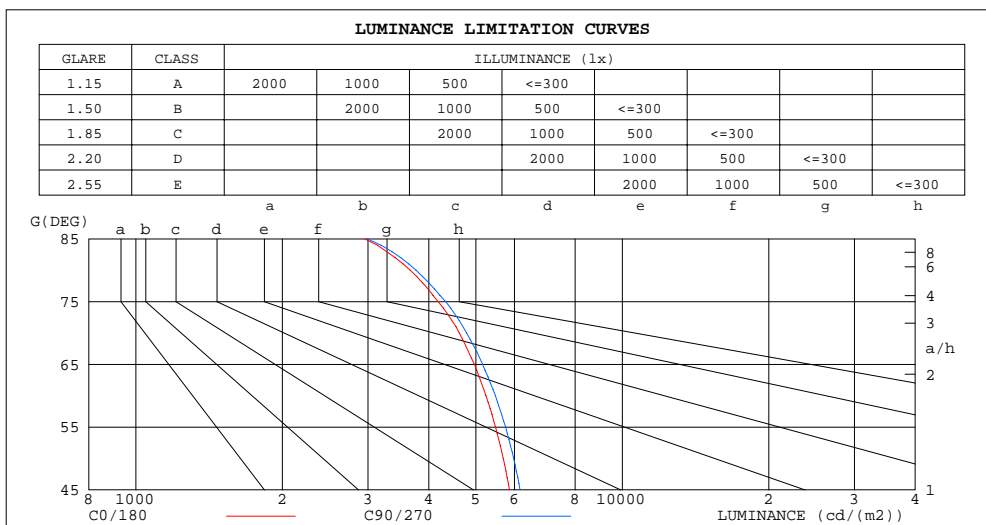
%lamp = 80.1%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2953	2992
80	3665	3765
75	4181	4333
70	4622	4785
65	4967	5162
60	5244	5483
55	5488	5755
50	5692	5977
45	5861	6161

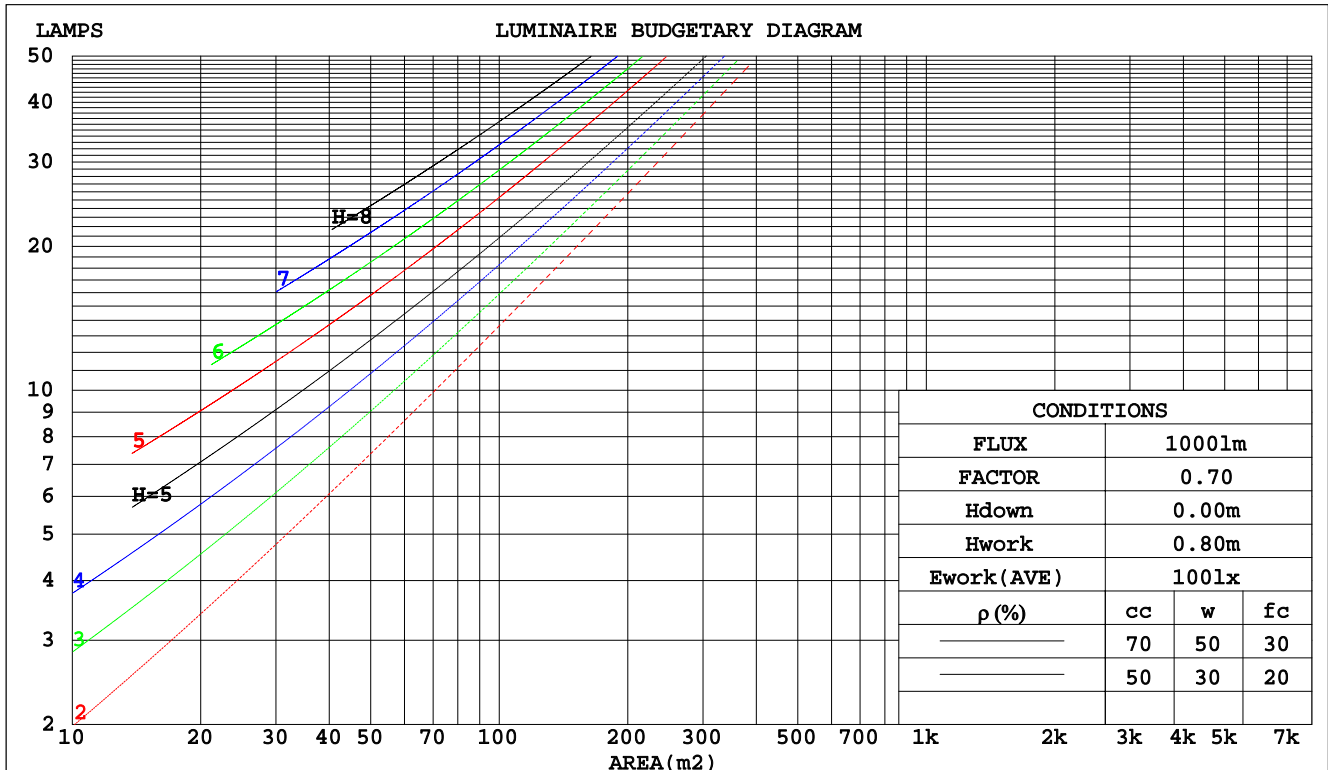
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

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	1.02	1.02	1.02	.00
1.0	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.64	.73	.67	.63	.70	.65	.61	.59
4.0	.71	.62	.55	.70	.61	.55	.67	.60	.54	.65	.59	.54	.63	.57	.53	.51
5.0	.63	.54	.48	.62	.54	.48	.60	.53	.47	.58	.52	.46	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.47	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.29	.42	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.37	.31	.26	.25



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm								
NAME: cabinet mount luminaire			TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A			DIM.: N/A			SERIAL No.:N/A		
MFR.: Libo			SUR.:N/A			Shielding Angle:N/A		

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	.302	.172	.054	.295	.168	.054	.282	.162	.052	.270	.156	.050	.259	.150	.048	
2.0	.286	.157	.048	.280	.154	.048	.268	.149	.046	.258	.144	.045	.248	.140	.044	
3.0	.266	.142	.042	.260	.139	.042	.250	.136	.041	.240	.132	.040	.232	.128	.040	
4.0	.246	.128	.038	.241	.126	.037	.232	.123	.037	.224	.120	.036	.216	.117	.036	
5.0	.228	.116	.034	.224	.115	.033	.215	.112	.033	.208	.110	.033	.201	.107	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.197	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.176	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.156	.076	.021	.151	.075	.021	.147	.074	.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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.157	.136	.154	.135	.117	.106	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.172	.133	.099	.147	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.164	.115	.076	.141	.099	.066	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.059	.135	.088	.052	.093	.061	.036	.054	.036	.022	.017	.012	.007	
5.0	.149	.091	.048	.128	.079	.042	.088	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.142	.083	.040	.122	.072	.035	.084	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.073	.040	.016	.043	.023	.010	.014	.008	.003	
10.0	.117	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm											
NAME: cabinet mount luminaire					TYPE:N/A			WEIGHT:N/A			
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A			
MFR.: Libo					SUR.:N/A			Shielding Angle:N/A			
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		18.8	20.3	19.1	20.5	20.7	19.0	20.5	19.3	20.7	20.9
3H		20.2	21.6	20.5	21.8	22.0	20.4	21.8	20.7	22.0	22.3
4H		20.7	22.0	21.0	22.3	22.6	20.9	22.3	21.3	22.5	22.8
6H		21.1	22.3	21.4	22.6	22.9	21.3	22.6	21.6	22.8	23.1
8H		21.2	22.4	21.5	22.7	23.0	21.4	22.6	21.8	22.9	23.2
12H		21.3	22.4	21.6	22.7	23.0	21.5	22.6	21.8	22.9	23.2
4H	2H	19.4	20.7	19.7	21.0	21.2	19.6	20.9	19.9	21.1	21.4
	3H	21.0	22.1	21.3	22.4	22.7	21.1	22.3	21.5	22.6	22.9
	4H	21.6	22.7	22.0	23.0	23.3	21.8	22.9	22.2	23.2	23.5
	6H	22.1	23.0	22.5	23.4	23.8	22.3	23.2	22.7	23.6	23.9
	8H	22.3	23.1	22.7	23.5	23.9	22.4	23.3	22.9	23.7	24.1
	12H	22.4	23.2	22.8	23.5	24.0	22.5	23.3	23.0	23.7	24.1
8H	4H	21.9	22.7	22.3	23.1	23.5	22.0	22.9	22.4	23.3	23.7
	6H	22.5	23.2	22.9	23.6	24.0	22.7	23.4	23.1	23.8	24.2
	8H	22.7	23.4	23.2	23.8	24.2	22.9	23.5	23.4	24.0	24.4
	12H	22.9	23.4	23.4	23.9	24.4	23.1	23.6	23.5	24.1	24.5
12H	4H	21.9	22.7	22.3	23.1	23.5	22.0	22.8	22.5	23.2	23.6
	6H	22.5	23.2	23.0	23.6	24.1	22.7	23.3	23.2	23.8	24.2
	8H	22.8	23.4	23.3	23.8	24.3	23.0	23.5	23.4	24.0	24.4
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 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 819.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.7)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

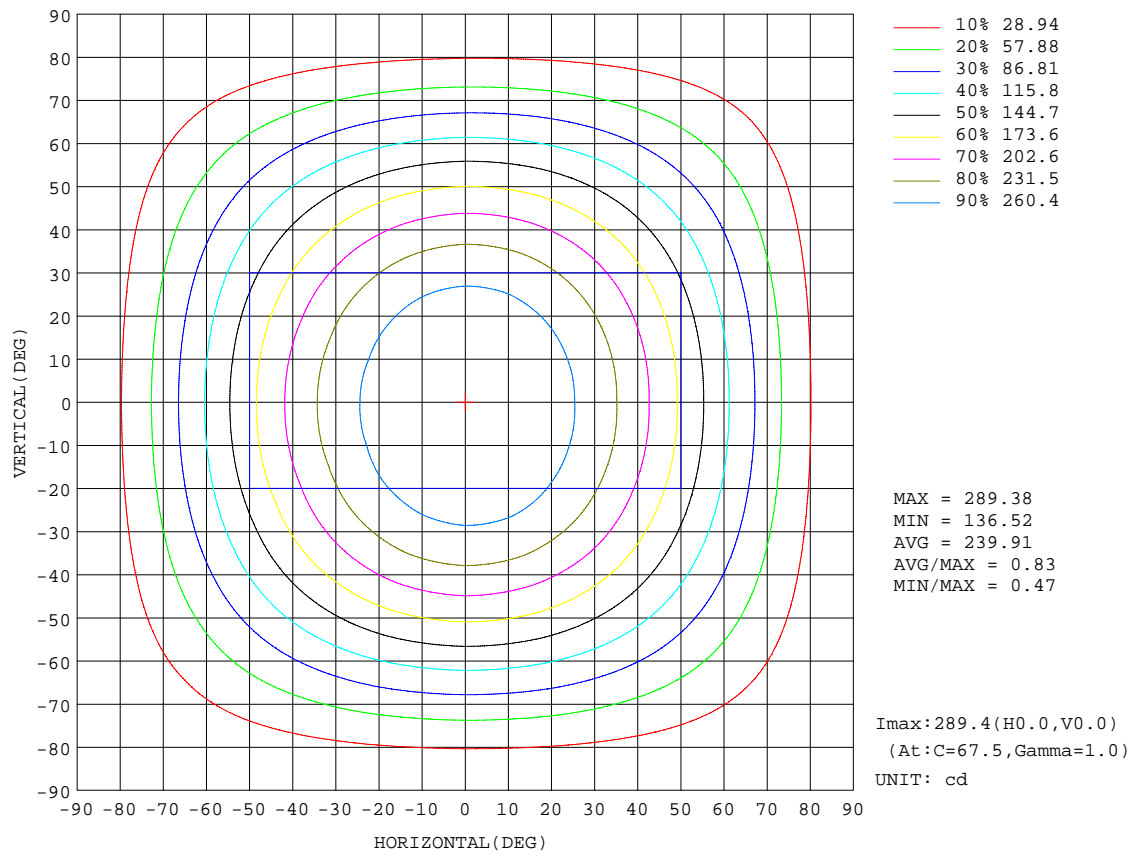
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	49	67	56	49	65	55	49	42
1.00	77	66	58	75	65	58	73	66	58	51
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	76	71	63
2.00	95	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	91	100	94	89	96	91	87	79
4.00	107	101	96	104	99	95	100	96	92	84
5.00	109	104	100	106	102	99	102	99	96	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: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A



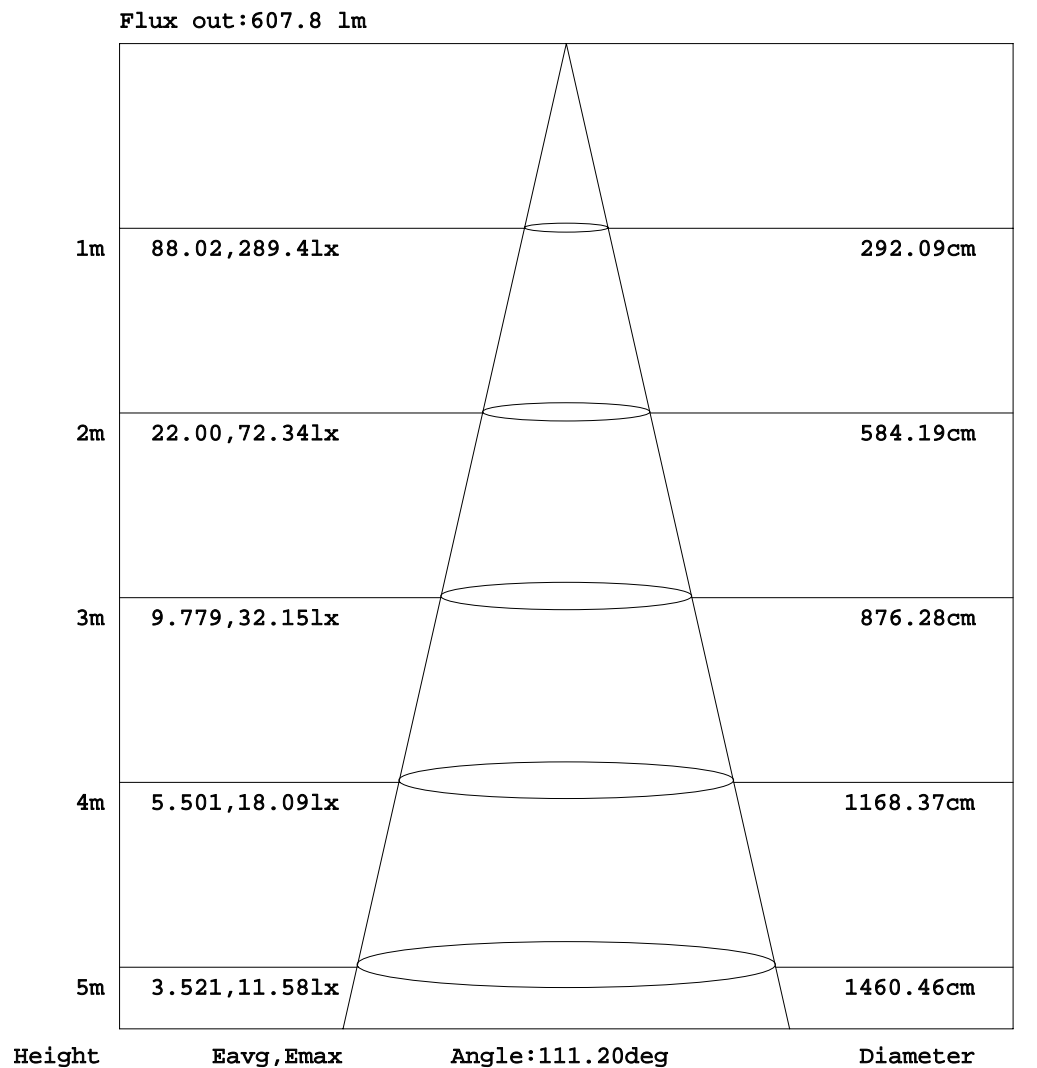
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:



AAI Figure

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A



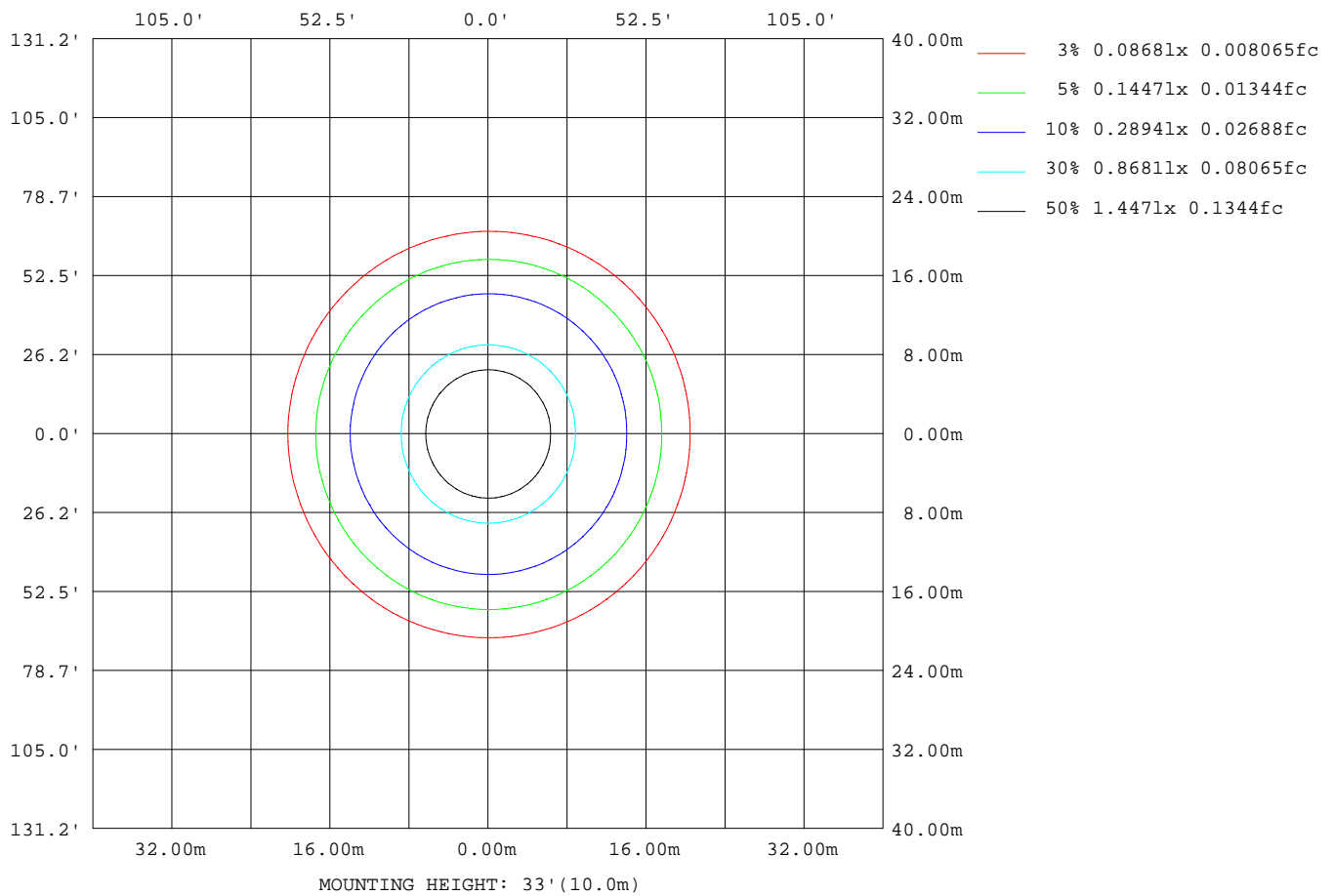
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

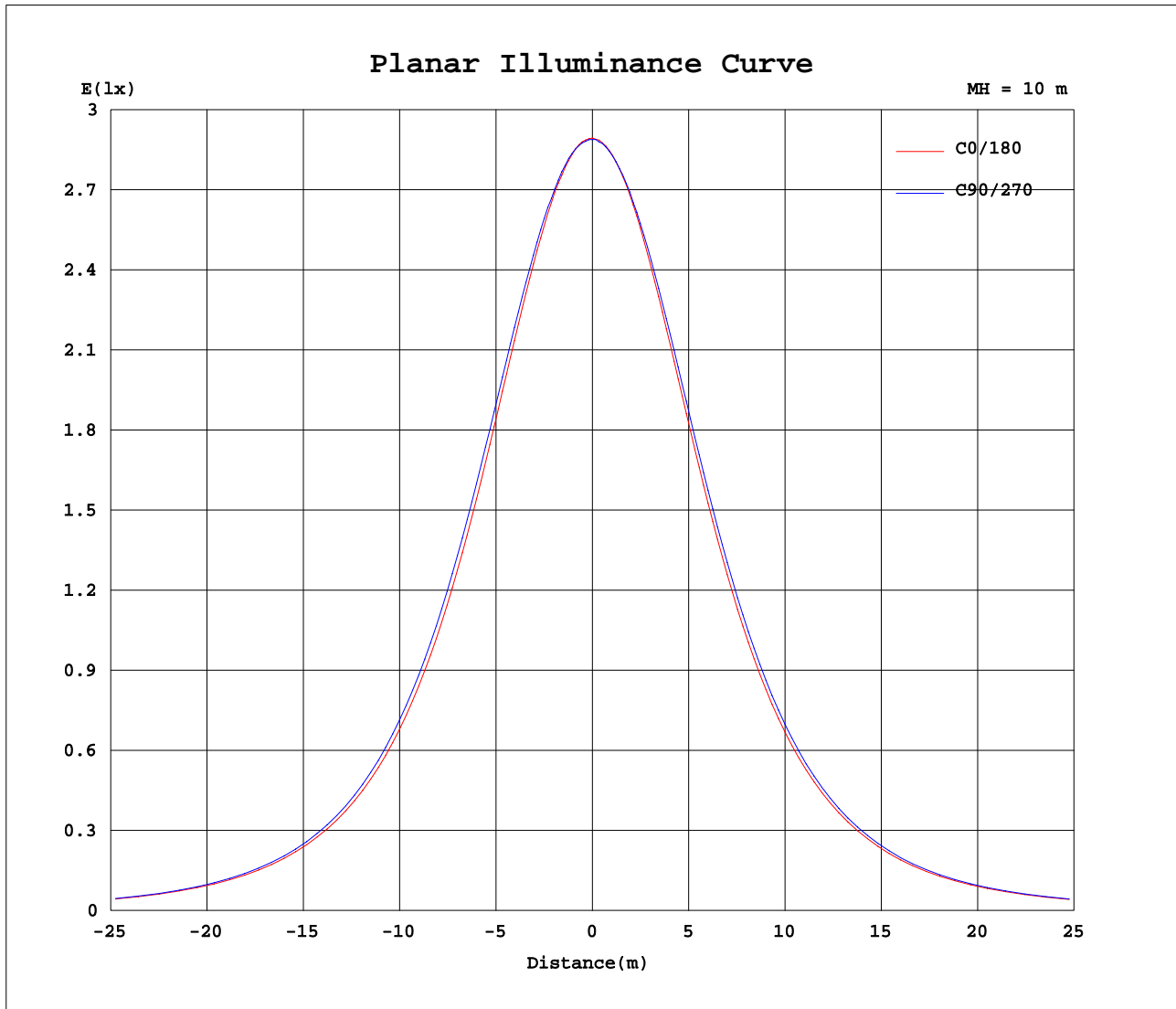
AvgL	cd/m2
L_0~180(65)av	4872
L_0~180(75)av	4085
L_0~180(85)av	2814
L_90~270(65)av	5068
L_90~270(75)av	4217
L_90~270(85)av	2740
L_45(65)av	4958
L_45(75)av	4127
L_45(85)av	2723

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
Operators:ben  
Test Date:2018-7-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature: 24.6DEG  
Operators: ben  
Test Date: 2018-7-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity: 45%  
Test Distance: 2.445m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.1043A P:12.11W PF:0.9667 Lamp Flux:819.95x1 lm		
NAME: cabinet mount luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Libo	SUR.:N/A	Shielding Angle:N/A

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	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289			
5	288	289	288	289	289	288	288	288	288	288	288	288	288	288	288	288			
10	285	286	286	287	287	286	285	285	284	284	284	285	285	285	285	285			
15	279	281	281	283	283	282	281	279	278	278	279	280	281	281	280	280			
20	272	273	275	277	277	276	273	271	270	270	271	273	274	274	273	272			
25	261	263	265	268	269	267	264	260	259	259	261	264	265	265	263	262			
30	248	250	253	256	257	255	251	247	245	246	248	251	253	252	251	249			
35	232	234	238	241	242	239	235	230	229	229	232	235	237	237	235	233			
40	213	216	219	223	224	221	216	211	210	210	213	216	219	218	217	215			
45	192	195	198	201	202	199	195	190	189	189	191	195	197	197	196	194			
50	170	172	175	178	178	176	171	167	166	166	168	172	174	174	173	171			
55	146	148	150	153	153	151	147	143	143	143	144	147	149	149	149	148			
60	122	123	125	127	127	125	122	119	118	117	119	121	123	123	123	122			
65	97.3	98.4	99.8	101	101	99.6	96.8	94.2	93.8	93.3	94.1	95.9	97.5	98.2	98.0	98.0			
70	73.3	74.0	75.1	76.0	76.0	74.6	72.4	70.4	70.2	69.5	70.0	71.3	72.7	73.5	73.7	74.0			
75	50.2	50.9	51.6	52.2	52.1	51.0	49.0	47.4	47.9	47.1	47.2	48.1	49.2	49.9	50.5	51.2			
80	29.5	29.8	30.2	30.6	30.4	29.5	28.2	27.1	27.7	26.8	26.6	27.1	27.9	28.6	29.3	30.2			
85	11.9	12.1	12.2	12.3	12.1	11.5	10.7	9.98	10.8	9.95	9.59	9.66	10.1	10.7	11.5	12.4			
90	0.08	0.11	0.11	0.09	0.07	0.05	0.05	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.08			
95	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02			
100	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03			
105	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
110	0.07	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05			
115	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.06	0.06			
120	0.08	0.08	0.08	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07			
125	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09			
130	0.12	0.12	0.12	0.12	0.13	0.13	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11			
135	0.14	0.15	0.15	0.15	0.16	0.16	0.15	0.15	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12			
140	0.18	0.18	0.19	0.19	0.20	0.20	0.19	0.18	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.14			
145	0.22	0.23	0.25	0.25	0.26	0.25	0.24	0.22	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.16			
150	0.26	0.28	0.30	0.30	0.30	0.30	0.29	0.27	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18			
155	0.31	0.32	0.33	0.34	0.34	0.34	0.32	0.31	0.19	0.18	0.20	0.20	0.21	0.21	0.21	0.20			
160	0.35	0.35	0.36	0.37	0.36	0.36	0.35	0.33	0.21	0.21	0.20	0.21	0.21	0.21	0.21	0.20			
165	0.35	0.35	0.35	0.36	0.36	0.35	0.35	0.34	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21			
170	0.33	0.33	0.33	0.33	0.33	0.32	0.33	0.32	0.24	0.24	0.22	0.22	0.21	0.21	0.21	0.21			
175	0.33	0.32	0.32	0.31	0.30	0.31	0.32	0.32	0.26	0.26	0.25	0.24	0.24	0.22	0.23	0.25			
180	0.30	0.28	0.28	0.27	0.27	0.27	0.28	0.29	0.30	0.30	0.29	0.28	0.27	0.27	0.27	0.29			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:24.6DEG  
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