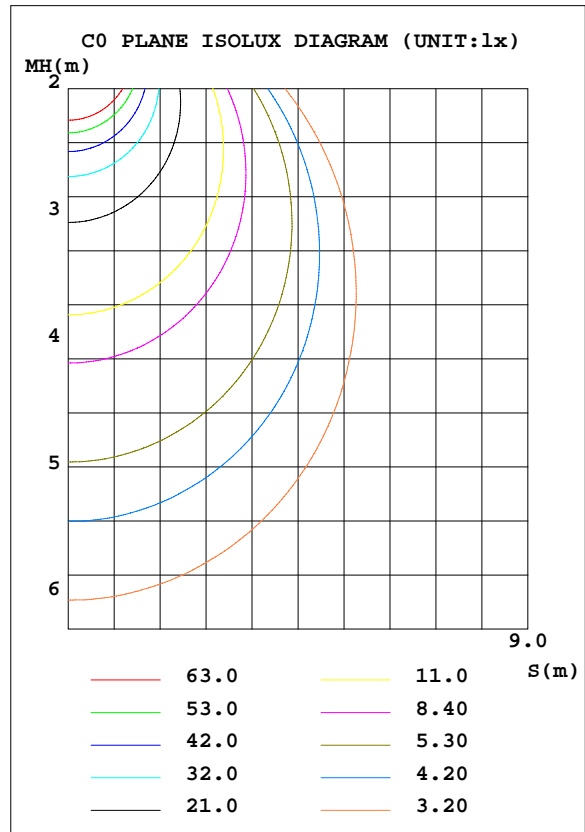
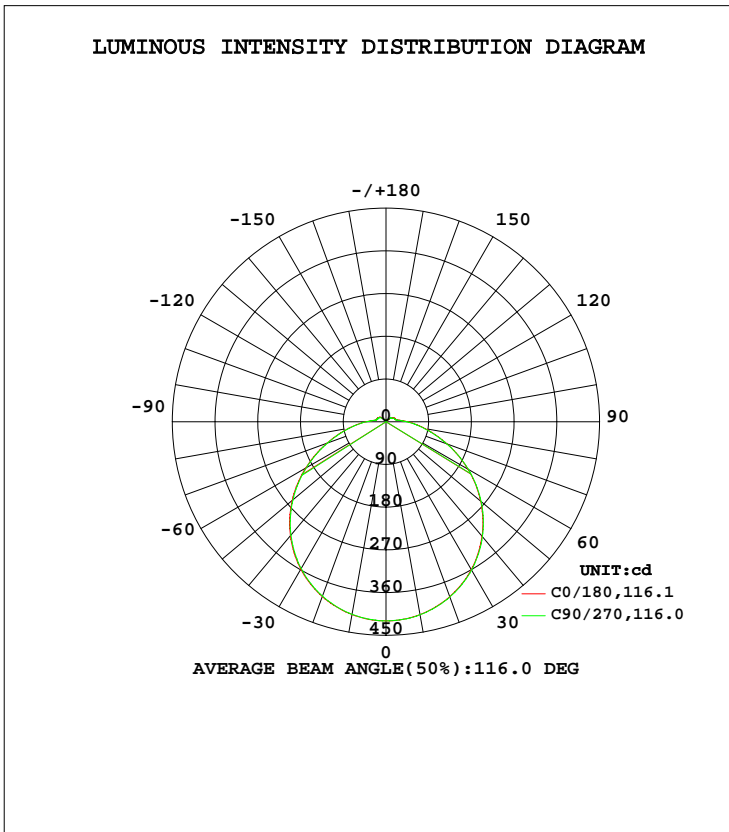


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-LFMDR-12D2030-NK	Imax(cd)	419.7	S/MH(C0/180)	1.27
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1406.9	η UP, DN(C0-180)	3.6,46.1
NOMINAL FLUX(lm)	1406.87	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.5,46.9
LAMPS INSIDE	1	η up(%)	7.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	93.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

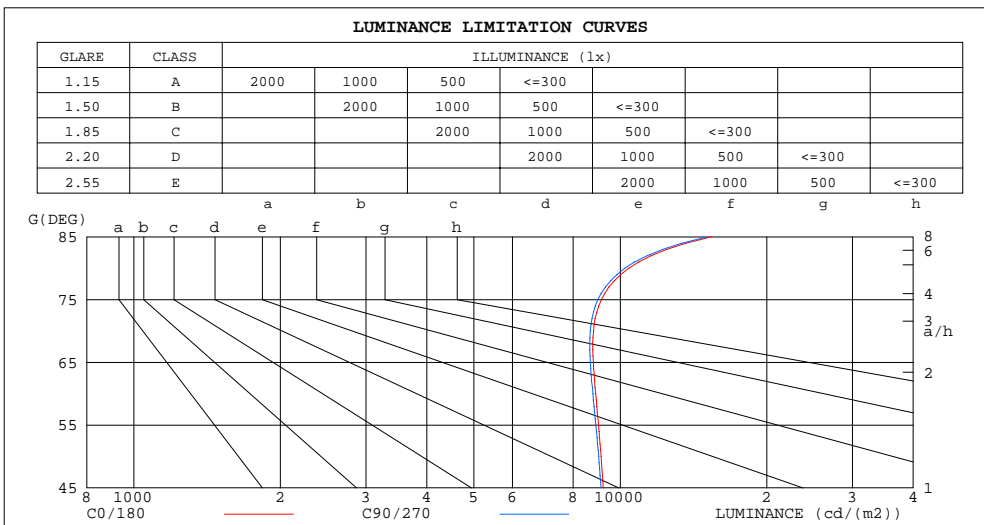
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	412.5	412.4	412.0	411.7	412.6	412.8	412.7	413.3	0- 10	39.72	39.72	2.82,2.82
20	392.1	391.8	390.9	390.8	392.3	392.8	393.1	393.7	10- 20	114.1	153.8	10.9,10.9
30	358.8	358.3	357.3	357.0	359.5	360.2	360.8	361.1	20- 30	173.9	327.7	23.3,23.3
40	313.4	312.8	311.6	311.4	314.8	315.8	316.0	316.4	30- 40	211.5	539.1	38.3,38.3
50	258.1	257.4	256.1	256.2	260.7	261.6	261.6	261.7	40- 50	221.9	761.1	54.1,54.1
60	195.8	195.2	193.8	194.6	199.2	200.2	200.2	199.7	50- 60	204.5	965.6	68.6,68.6
70	132.5	132.0	130.9	132.2	137.1	137.2	136.6	136.1	60- 70	163.9	1129	80.3,80.3
80	79.52	79.21	78.26	79.71	83.66	83.07	82.14	81.52	70- 80	112.2	1242	88.3,88.3
90	41.88	41.56	41.25	42.71	45.73	44.79	44.06	43.75	80- 90	66.26	1308	93,93
100	21.87	21.66	21.80	22.67	23.71	22.67	22.88	22.91	90-100	34.14	1342	95.4,95.4
110	19.79	20.23	19.37	19.48	19.94	21.36	18.95	19.07	100-110	21.39	1364	96.9,96.9
120	17.77	18.46	16.94	16.28	16.04	15.42	15.91	16.94	110-120	18.54	1382	98.2,98.2
130	14.38	14.52	12.79	10.39	10.40	8.694	11.68	12.20	120-130	13.06	1395	99.2,99.2
140	7.888	9.166	6.643	4.149	3.659	3.100	4.069	7.314	130-140	7.052	1402	99.7,99.7
150	3.072	3.966	3.610	2.304	1.753	1.828	1.671	2.706	140-150	2.724	1405	99.9,99.9
160	1.581	2.585	2.481	2.479	2.020	2.018	2.958	2.747	150-160	1.171	1406	99.9,99.9
170	1.867	2.454	2.199	1.969	3.765	1.303	1.410	2.120	160-170	0.6457	1407	100,100
180	0.4791	0.5187	0.5185	0.5080	0.5209	0.5202	0.5207	0.5205	170-180	0.1848	1407	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 10.5 %								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m <sup>2</sup> )		
G(DEG)	C0/180	C90/270
85	15381	15093
80	10410	10214
75	9145	8986
70	8810	8674
65	8804	8672
60	8901	8782
55	9018	8909
50	9129	9028
45	9220	9127

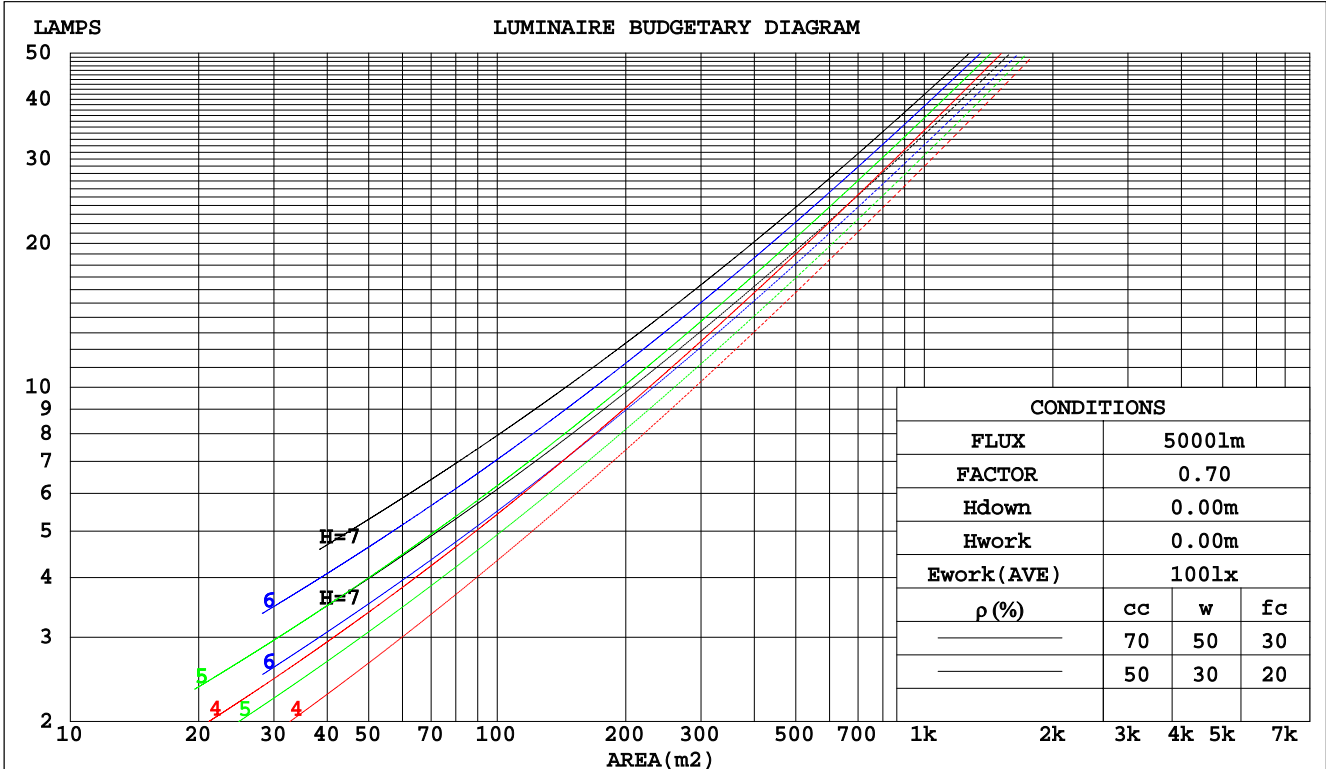
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.96	.96	.96	.93
1.0	1.00	.96	.91	.97	.93	.89	.92	.88	.85	.87	.84	.81	.82	.80	.77	.75
2.0	.87	.79	.73	.84	.78	.72	.80	.74	.69	.75	.71	.66	.71	.67	.64	.61
3.0	.76	.67	.60	.74	.66	.59	.70	.63	.57	.66	.60	.56	.62	.58	.54	.51
4.0	.67	.58	.51	.65	.57	.50	.62	.54	.49	.59	.52	.47	.56	.50	.46	.43
5.0	.60	.50	.44	.58	.49	.43	.55	.48	.42	.52	.46	.41	.50	.44	.40	.37
6.0	.54	.44	.38	.52	.44	.37	.50	.42	.37	.47	.41	.36	.45	.39	.35	.33
7.0	.49	.40	.33	.47	.39	.33	.45	.38	.32	.43	.36	.32	.41	.35	.31	.29
8.0	.44	.36	.30	.43	.35	.29	.41	.34	.29	.39	.33	.28	.38	.32	.28	.26
9.0	.41	.32	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.37	.29	.24	.35	.28	.23	.34	.27	.23	.32	.27	.23	.21



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.345	.196	.062	.336	.191	.061	.318	.183	.058	.302	.174	.056	.288	.167	.054	
2.0	.311	.170	.052	.302	.166	.051	.287	.159	.050	.272	.153	.048	.259	.147	.046	
3.0	.282	.150	.045	.274	.147	.044	.260	.141	.043	.247	.136	.042	.235	.130	.040	
4.0	.257	.133	.039	.250	.131	.039	.238	.126	.038	.226	.121	.037	.215	.117	.036	
5.0	.236	.120	.035	.230	.118	.034	.218	.114	.033	.208	.110	.033	.198	.106	.032	
6.0	.217	.109	.031	.212	.107	.031	.202	.103	.030	.192	.100	.029	.183	.097	.029	
7.0	.201	.100	.028	.197	.098	.028	.187	.095	.027	.179	.092	.027	.171	.089	.026	
8.0	.188	.092	.026	.183	.090	.025	.175	.087	.025	.167	.085	.024	.160	.082	.024	
9.0	.175	.085	.024	.171	.083	.023	.164	.081	.023	.157	.078	.022	.150	.076	.022	
10.0	.164	.079	.022	.161	.078	.022	.154	.075	.021	.147	.073	.021	.141	.071	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.244	.244	.244	.209	.209	.209	.142	.142	.142	.082	.082	.082	.026	.026	.026	
1.0	.237	.210	.186	.203	.180	.160	.139	.124	.110	.080	.072	.064	.026	.023	.021	
2.0	.229	.186	.150	.196	.160	.130	.134	.111	.091	.078	.065	.053	.025	.021	.017	
3.0	.221	.169	.127	.190	.146	.110	.130	.101	.077	.075	.059	.046	.024	.019	.015	
4.0	.214	.156	.112	.183	.135	.097	.126	.094	.069	.073	.055	.041	.023	.018	.013	
5.0	.206	.146	.101	.177	.126	.088	.122	.088	.062	.071	.052	.037	.023	.017	.012	
6.0	.199	.138	.094	.171	.119	.082	.118	.083	.058	.068	.049	.034	.022	.016	.011	
7.0	.192	.131	.088	.165	.113	.077	.114	.080	.054	.066	.047	.032	.021	.015	.011	
8.0	.185	.125	.084	.159	.109	.073	.110	.076	.052	.064	.045	.031	.021	.015	.010	
9.0	.179	.120	.081	.154	.104	.070	.107	.073	.050	.062	.043	.030	.020	.014	.010	
10.0	.173	.116	.078	.149	.101	.068	.104	.071	.048	.060	.042	.029	.020	.014	.010	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm										
NAME: ASD-LFMDR-12D2030-NK					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A		
MFR.: ASD Lighting corp					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	20.0	21.5	20.4	21.8	22.1	20.0	21.4	20.3	21.7	22.1
3H	21.7	23.1	22.1	23.4	23.8	21.6	23.0	22.0	23.4	23.7
4H	22.5	23.8	22.9	24.2	24.6	22.4	23.7	22.9	24.1	24.5
6H	23.3	24.5	23.7	24.9	25.4	23.2	24.4	23.7	24.8	25.3
8H	23.7	24.9	24.2	25.3	25.7	23.6	24.8	24.1	25.2	25.7
12H	24.2	25.3	24.6	25.7	26.2	24.1	25.2	24.5	25.6	26.1
4H 2H	20.6	21.9	21.0	22.3	22.7	20.6	21.9	21.0	22.3	22.7
3H	22.5	23.7	23.0	24.1	24.5	22.5	23.6	22.9	24.0	24.5
4H	23.5	24.5	24.0	25.0	25.5	23.4	24.5	23.9	24.9	25.4
6H	24.5	25.4	25.0	25.9	26.4	24.4	25.3	24.9	25.8	26.3
8H	25.0	25.8	25.5	26.3	26.9	24.9	25.8	25.4	26.2	26.8
12H	25.5	26.3	26.1	26.8	27.4	25.4	26.2	26.0	26.7	27.3
8H 4H	23.9	24.7	24.4	25.2	25.8	23.8	24.7	24.3	25.2	25.7
6H	25.1	25.8	25.6	26.3	26.9	25.0	25.7	25.6	26.3	26.8
8H	25.7	26.4	26.3	26.9	27.5	25.7	26.3	26.2	26.9	27.5
12H	26.5	27.0	27.1	27.6	28.2	26.4	27.0	27.0	27.5	28.2
12H 4H	23.9	24.7	24.5	25.2	25.8	23.9	24.7	24.4	25.2	25.7
6H	25.2	25.9	25.8	26.4	27.0	25.2	25.8	25.7	26.4	27.0
8H	26.0	26.5	26.6	27.1	27.7	25.9	26.5	26.5	27.0	27.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1407 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.2)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

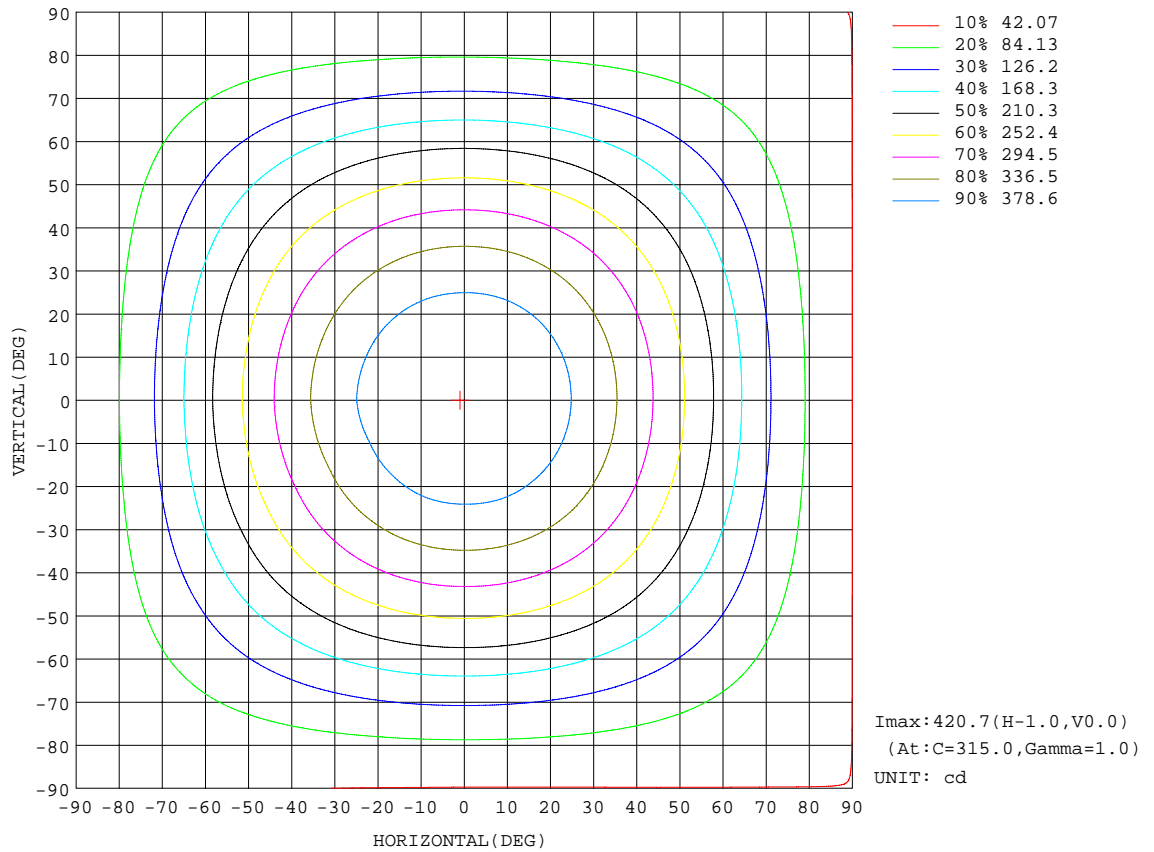
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	41	34	51	41	34	28
0.80	63	51	43	62	51	43	60	50	43	35
1.00	71	60	52	70	59	51	67	60	51	43
1.25	78	67	59	77	66	59	73	64	58	49
1.50	83	73	65	81	71	64	78	69	63	54
2.00	90	81	74	88	79	73	84	76	71	61
2.50	95	86	79	92	84	78	87	81	75	65
3.00	98	90	84	95	88	82	90	84	79	69
4.00	102	96	90	99	93	88	94	89	85	74
5.00	105	99	94	102	97	92	96	92	88	77
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:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



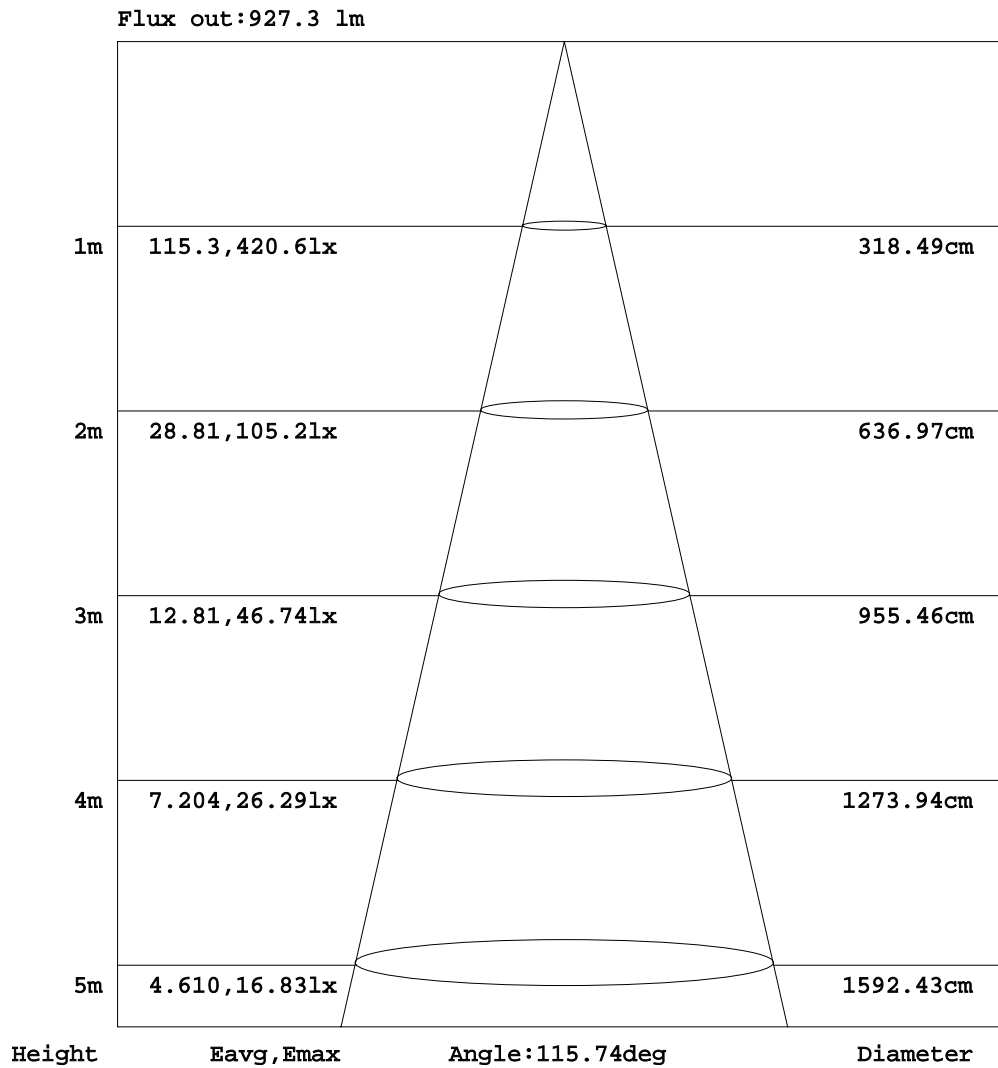
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:



AAI Figure

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



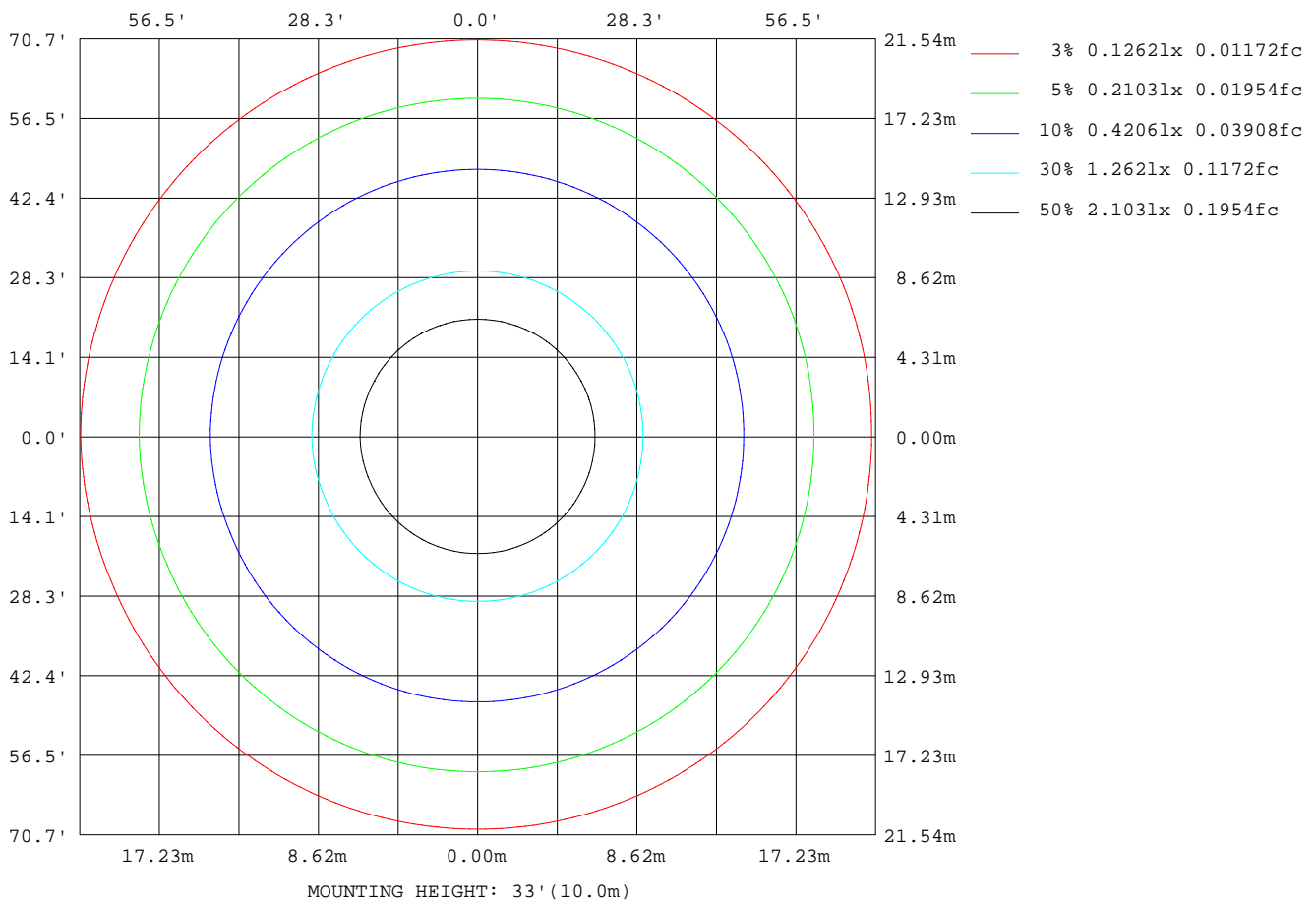
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

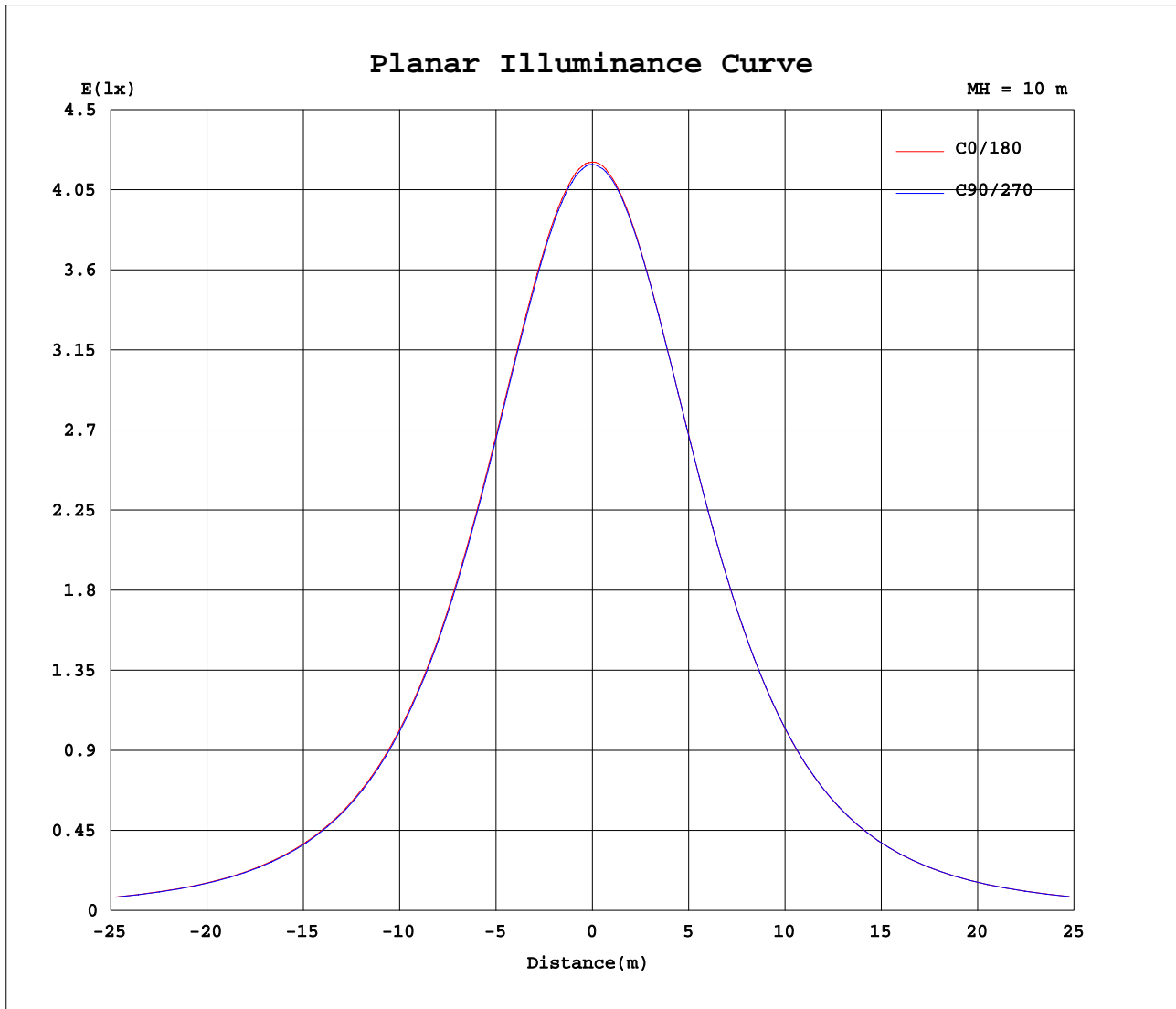
AvgL	cd/m2
L_0~180(65)av	8891
L_0~180(75)av	9305
L_0~180(85)av	15831
L_90~270(65)av	8852
L_90~270(75)av	9200
L_90~270(85)av	15487
L_45(65)av	8873
L_45(75)av	9251
L_45(85)av	15649

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 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: 25.2DEG  
 Operators: Hill  
 Test Date: 2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity: 42%  
 Test Distance: 2.445m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.1687A P:19.94W PF:0.9856 Lamp Flux:1406.87x1 lm		
NAME: ASD-LFMDR-12D2030-NK	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	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	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420			
5	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418			
10	413	413	412	412	412	412	412	412	413	413	413	413	413	413	413	413			
15	404	404	404	404	403	403	403	403	404	404	404	405	405	405	405	405			
20	392	392	392	391	391	391	391	391	392	392	393	393	393	394	394	394			
25	377	377	377	377	376	376	375	376	377	378	378	378	379	379	379	379			
30	359	359	358	358	357	357	357	358	360	360	360	361	361	361	361	361			
35	338	337	337	336	336	336	336	336	338	339	339	340	340	340	340	340			
40	313	313	313	312	312	312	311	312	315	315	316	316	316	316	316	316			
45	287	286	286	286	285	285	285	286	289	289	290	290	290	290	290	290			
50	258	258	257	257	256	256	256	257	261	261	262	262	262	262	262	261			
55	228	227	227	226	225	226	226	227	230	231	231	232	231	231	231	231			
60	196	195	195	194	194	194	195	196	199	200	200	200	200	200	200	199			
65	164	163	163	162	162	162	163	164	168	168	168	168	168	168	168	167			
70	133	132	132	131	131	131	132	134	137	137	137	137	137	136	136	135			
75	104	104	104	103	103	103	104	106	108	108	108	108	107	107	107	106			
80	79.5	79.5	79.2	78.6	78.3	78.5	79.7	81.2	83.7	83.5	83.1	82.5	82.1	81.7	81.5	81.4			
85	59.0	58.8	58.7	58.2	58.0	58.4	59.4	60.9	62.7	62.5	61.9	61.4	61.0	60.7	60.6	60.5			
90	41.9	41.7	41.6	41.2	41.3	41.7	42.7	44.0	45.7	45.3	44.8	44.4	44.1	44.0	43.7	43.6			
95	29.2	29.4	29.1	29.1	28.9	29.2	30.1	31.4	32.5	31.8	31.3	31.0	31.2	31.1	30.9	30.5			
100	21.9	22.1	21.7	21.7	21.8	21.9	22.7	23.2	23.7	23.4	22.7	22.7	22.9	22.7	22.9	22.4			
105	20.0	20.4	20.2	20.0	19.8	19.6	19.9	20.3	20.1	20.0	19.5	19.4	19.2	19.1	19.3	19.4			
110	19.8	20.3	20.2	19.8	19.4	19.2	19.5	20.0	19.9	19.7	21.4	19.2	19.0	19.0	19.1	19.4			
115	19.2	19.5	19.8	19.1	18.5	18.2	18.4	18.9	18.9	18.5	19.8	18.0	18.0	18.3	18.4	18.7			
120	17.8	18.3	18.5	19.1	16.9	16.4	16.3	16.2	16.0	18.7	15.4	15.9	15.9	16.7	16.9	17.4			
125	16.6	16.2	16.6	16.5	15.3	14.0	13.1	13.0	14.4	12.5	12.2	14.5	13.9	14.2	14.6	15.2			
130	14.4	14.1	14.5	15.0	12.8	12.6	10.4	10.9	10.4	9.05	8.69	9.64	11.7	11.2	12.2	13.0			
135	10.9	12.4	12.1	13.0	9.47	7.85	7.79	7.11	6.27	7.47	5.25	7.74	7.18	9.26	9.04	11.3			
140	7.89	10.7	9.17	9.44	6.64	5.81	4.15	4.56	3.66	5.10	3.10	5.18	4.07	5.28	7.31	7.14			
145	4.99	7.65	6.37	7.39	4.38	3.39	3.10	3.87	2.31	3.70	2.01	3.84	2.52	3.51	3.63	4.31			
150	3.07	3.87	3.97	5.18	3.61	2.58	2.30	4.07	1.75	2.00	1.83	2.94	1.67	1.91	2.71	2.77			
155	2.03	2.83	2.81	4.46	2.60	1.52	2.28	2.29	2.04	1.96	1.10	3.61	3.56	1.73	1.77	2.04			
160	1.58	2.48	2.58	2.86	2.48	2.83	2.48	3.25	2.02	1.98	2.02	2.55	2.96	1.93	2.75	2.28			
165	1.51	2.09	2.70	3.09	2.53	1.23	2.40	2.42	2.09	2.10	3.03	2.13	2.11	2.05	2.01	1.98			
170	1.87	3.67	2.45	2.93	2.20	1.29	1.97	2.40	3.76	3.91	1.30	2.14	1.41	2.71	2.12	2.06			
175	1.29	1.48	1.56	2.33	0.70	0.61	1.57	1.64	2.00	2.07	2.15	2.21	2.81	1.58	1.48	1.44			
180	0.48	0.51	0.52	0.52	0.52	0.52	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.2DEG  
 Operators:Hill  
 Test Date:2019-03-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:42%  
 Test Distance:2.445m [K=1.0000]  
 Remarks: