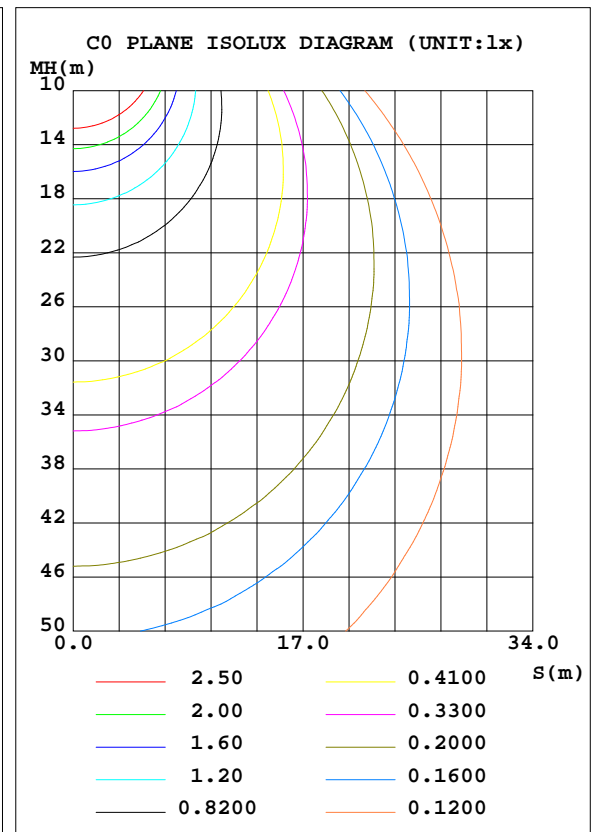
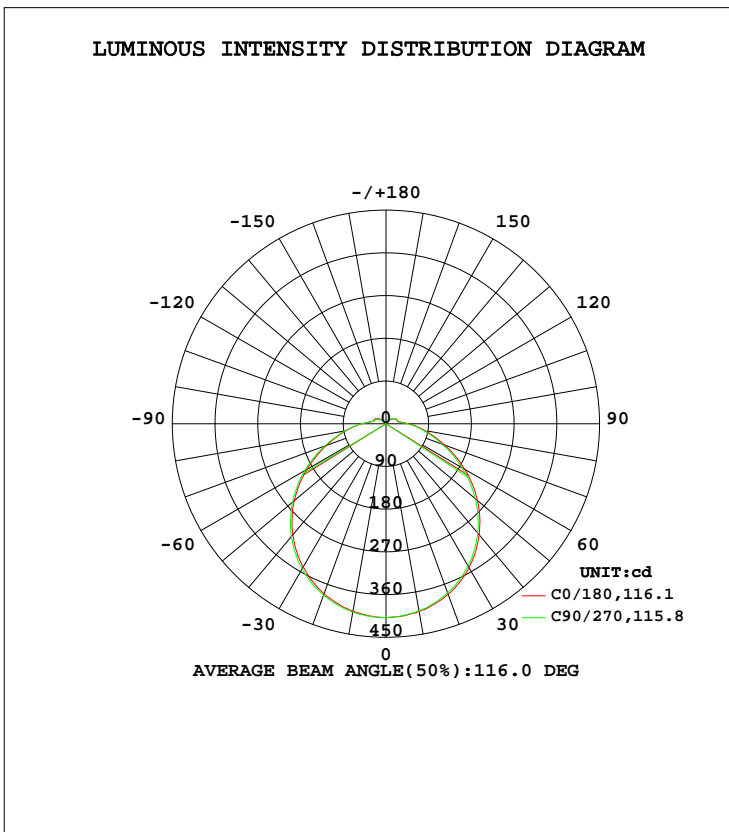


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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 Eff: 93.00 lm/W			
MODEL	PSZ2S220516003-10	Imax(cd)	409.4	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1402.5	η UP, DN(C0-180)	4.1,46.5
NOMINAL FLUX(lm)	1402.48	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.3,45.0
LAMPS INSIDE	1	η up(%)	8.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	91.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [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	401.1	401.7	402.6	403.2	400.9	401.0	400.1	399.8	0- 10	38.65	38.65	2.76,2.76
20	381.3	382.8	384.4	385.0	382.3	381.2	379.5	378.8	10- 20	111.1	149.7	10.7,10.7
30	348.9	351.0	353.6	354.3	350.0	347.6	345.5	345.0	20- 30	169.4	319.1	22.8,22.8
40	305.5	308.0	310.2	310.8	305.6	303.4	300.4	299.5	30- 40	205.8	524.9	37.4,37.4
50	252.5	255.2	257.0	257.4	251.5	249.0	245.8	245.5	40- 50	215.7	740.6	52.8,52.8
60	192.6	195.7	197.5	197.6	191.5	188.5	185.1	185.0	50- 60	198.7	939.3	67,67
70	133.4	136.2	137.6	137.9	131.3	128.8	125.6	125.5	60- 70	160.0	1099	78.4,78.4
80	85.83	87.66	88.03	87.82	83.53	81.68	79.10	79.26	70- 80	113.0	1212	86.4,86.4
90	51.03	51.96	51.26	50.98	48.08	47.32	45.32	45.38	80- 90	71.62	1284	91.5,91.5
100	29.47	29.51	28.34	27.88	26.43	27.20	26.91	27.04	90-100	40.21	1324	94.4,94.4
110	26.29	25.65	24.27	23.57	24.17	25.01	25.37	25.76	100-110	27.15	1351	96.3,96.3
120	22.22	19.89	18.72	19.77	20.60	21.62	21.95	21.87	110-120	23.20	1374	98,98
130	14.34	10.72	9.613	11.86	14.87	16.39	16.73	16.12	120-130	15.72	1390	99.1,99.1
140	5.962	3.459	2.973	4.629	7.372	9.883	10.28	8.699	130-140	7.908	1398	99.7,99.7
150	2.715	1.825	1.517	2.757	2.972	4.266	4.311	2.982	140-150	2.814	1401	99.9,99.9
160	2.256	2.083	1.458	1.730	1.574	1.051	1.783	1.414	150-160	0.9996	1402	100,100
170	1.617	2.103	1.631	1.605	1.285	0.9250	1.653	1.811	160-170	0.4693	1402	100,100
180	0.5667	0.2316	0.6500	0.6759	0.6938	0.6732	0.6732	0.6822	170-180	0.1293	1402	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 633.26 lm

%lum = 45.2%
%lamp = 45.2%

Conical surface Flux(120deg): 939.3 lm

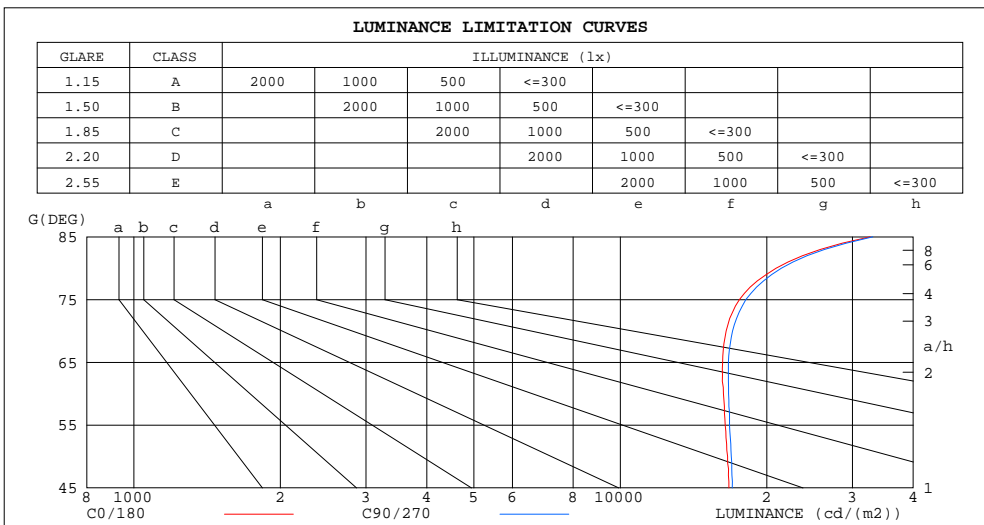
%lum = 67.0%
%lamp = 67.0%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.2DEG
Operators:Carl
Test Date:2022-05-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:50%
Test Distance:2.526m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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/(m2)		
G (DEG)	C0/180	C90/270
85	32629	33031
80	20908	21428
75	17572	18118
70	16504	17005
65	16227	16673
60	16292	16693
55	16431	16770
50	16614	16903
45	16717	16987

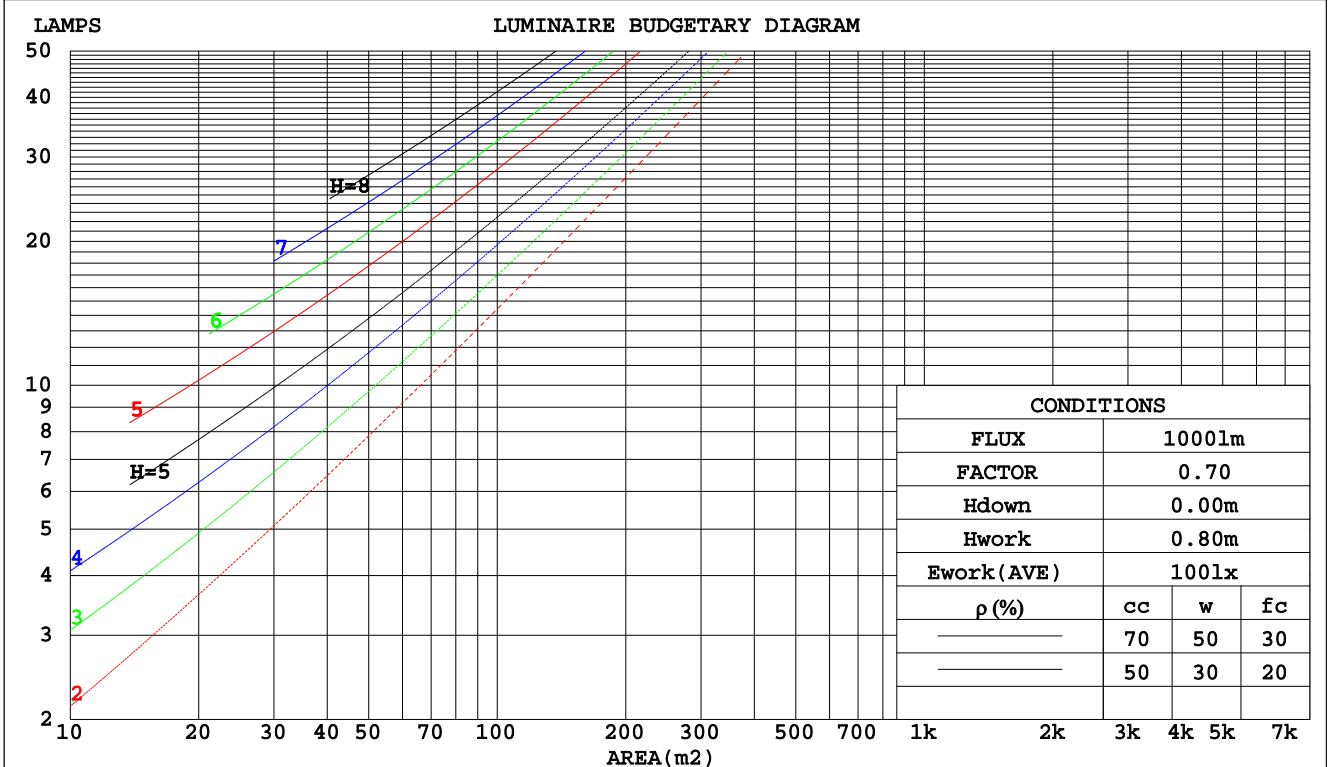
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	1.00	1.00	1.00	.94	.94	.94	.92
1.0	.00	.95	.91	.97	.92	.88	.91	.87	.84	.85	.83	.80	.80	.78	.76	.73
2.0	.86	.79	.73	.84	.77	.71	.79	.73	.68	.74	.69	.65	.70	.66	.63	.60
3.0	.75	.67	.60	.73	.65	.59	.69	.62	.57	.65	.59	.55	.61	.57	.53	.50
4.0	.67	.57	.50	.65	.56	.50	.61	.54	.48	.58	.51	.46	.55	.49	.45	.42
5.0	.59	.50	.43	.58	.49	.43	.55	.47	.41	.52	.45	.40	.49	.43	.39	.36
6.0	.53	.44	.38	.52	.43	.37	.49	.42	.36	.47	.40	.35	.44	.39	.34	.32
7.0	.48	.39	.33	.47	.39	.33	.45	.37	.32	.42	.36	.31	.40	.35	.30	.28
8.0	.44	.35	.29	.43	.35	.29	.41	.34	.28	.39	.32	.28	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.38	.30	.25	.36	.29	.25	.34	.29	.24	.22
10.0	.37	.29	.24	.36	.29	.24	.35	.28	.23	.33	.27	.23	.32	.26	.22	.20



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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	.349	.199	.063	.340	.194	.062	.321	.184	.059	.305	.176	.056	.289	.168	.054	
2.0	.312	.171	.053	.304	.167	.052	.287	.160	.050	.272	.153	.048	.258	.146	.046	
3.0	.283	.150	.045	.275	.147	.044	.260	.141	.043	.247	.135	.041	.234	.130	.040	
4.0	.257	.134	.039	.250	.131	.039	.237	.126	.038	.225	.121	.036	.214	.116	.035	
5.0	.236	.120	.035	.229	.118	.034	.218	.113	.033	.207	.109	.032	.196	.105	.032	
6.0	.217	.109	.031	.212	.107	.031	.201	.103	.030	.191	.099	.029	.182	.096	.028	
7.0	.201	.100	.028	.196	.098	.028	.187	.094	.027	.177	.091	.026	.169	.088	.026	
8.0	.187	.092	.026	.183	.090	.025	.174	.087	.025	.166	.084	.024	.158	.081	.024	
9.0	.175	.085	.024	.171	.083	.023	.163	.081	.023	.155	.078	.022	.148	.075	.022	
10.0	.164	.079	.022	.160	.078	.022	.153	.075	.021	.146	.073	.021	.140	.070	.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	.255	.255	.255	.218	.218	.218	.149	.149	.149	.085	.085	.085	.027	.027	.027	
1.0	.248	.221	.196	.212	.189	.169	.145	.130	.117	.084	.075	.068	.027	.024	.022	
2.0	.240	.197	.161	.206	.170	.139	.141	.117	.097	.081	.068	.057	.026	.022	.019	
3.0	.233	.180	.138	.199	.155	.120	.137	.108	.084	.079	.063	.050	.025	.020	.016	
4.0	.225	.167	.123	.193	.144	.107	.133	.101	.075	.077	.059	.045	.025	.019	.015	
5.0	.217	.157	.113	.187	.136	.098	.129	.095	.069	.074	.056	.041	.024	.018	.014	
6.0	.210	.149	.105	.180	.129	.092	.124	.090	.065	.072	.053	.038	.023	.017	.013	
7.0	.203	.142	.099	.175	.123	.087	.121	.086	.061	.070	.051	.037	.023	.017	.012	
8.0	.196	.136	.095	.169	.118	.083	.117	.083	.059	.068	.049	.035	.022	.016	.012	
9.0	.190	.132	.092	.164	.114	.080	.114	.080	.057	.066	.047	.034	.021	.016	.011	
10.0	.184	.127	.089	.159	.111	.078	.110	.078	.055	.064	.046	.033	.021	.015	.011	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm										
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K					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	22.1	23.5	22.5	23.9	24.2	22.2	23.6	22.5	24.0	24.3
3H	23.8	25.2	24.2	25.5	26.0	23.9	25.3	24.4	25.7	26.1
4H	24.7	26.0	25.1	26.4	26.8	24.8	26.1	25.3	26.5	26.9
6H	25.6	26.8	26.0	27.2	27.7	25.7	26.9	26.2	27.3	27.8
8H	26.1	27.2	26.5	27.7	28.1	26.2	27.4	26.7	27.8	28.3
12H	26.6	27.7	27.1	28.2	28.6	26.7	27.8	27.2	28.3	28.8
4H 2H	22.7	24.0	23.2	24.4	24.8	22.8	24.1	23.2	24.5	24.9
3H	24.7	25.8	25.2	26.3	26.7	24.8	25.9	25.3	26.3	26.8
4H	25.7	26.7	26.2	27.2	27.7	25.8	26.9	26.3	27.3	27.8
6H	26.8	27.7	27.3	28.2	28.8	26.9	27.8	27.4	28.3	28.9
8H	27.4	28.2	27.9	28.7	29.3	27.5	28.3	28.0	28.9	29.4
12H	28.0	28.8	28.6	29.3	29.9	28.1	28.9	28.7	29.5	30.0
8H 4H	26.1	27.0	26.7	27.5	28.1	26.2	27.1	26.8	27.6	28.2
6H	27.5	28.2	28.0	28.7	29.3	27.6	28.3	28.1	28.8	29.4
8H	28.2	28.9	28.8	29.4	30.1	28.3	29.0	28.9	29.5	30.2
12H	29.1	29.6	29.7	30.2	30.9	29.2	29.7	29.8	30.3	31.0
12H 4H	26.2	27.0	26.8	27.5	28.1	26.3	27.1	26.9	27.6	28.2
6H	27.6	28.3	28.2	28.9	29.5	27.7	28.4	28.3	28.9	29.6
8H	28.5	29.1	29.1	29.6	30.3	28.6	29.1	29.2	29.7	30.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1402 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.2)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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

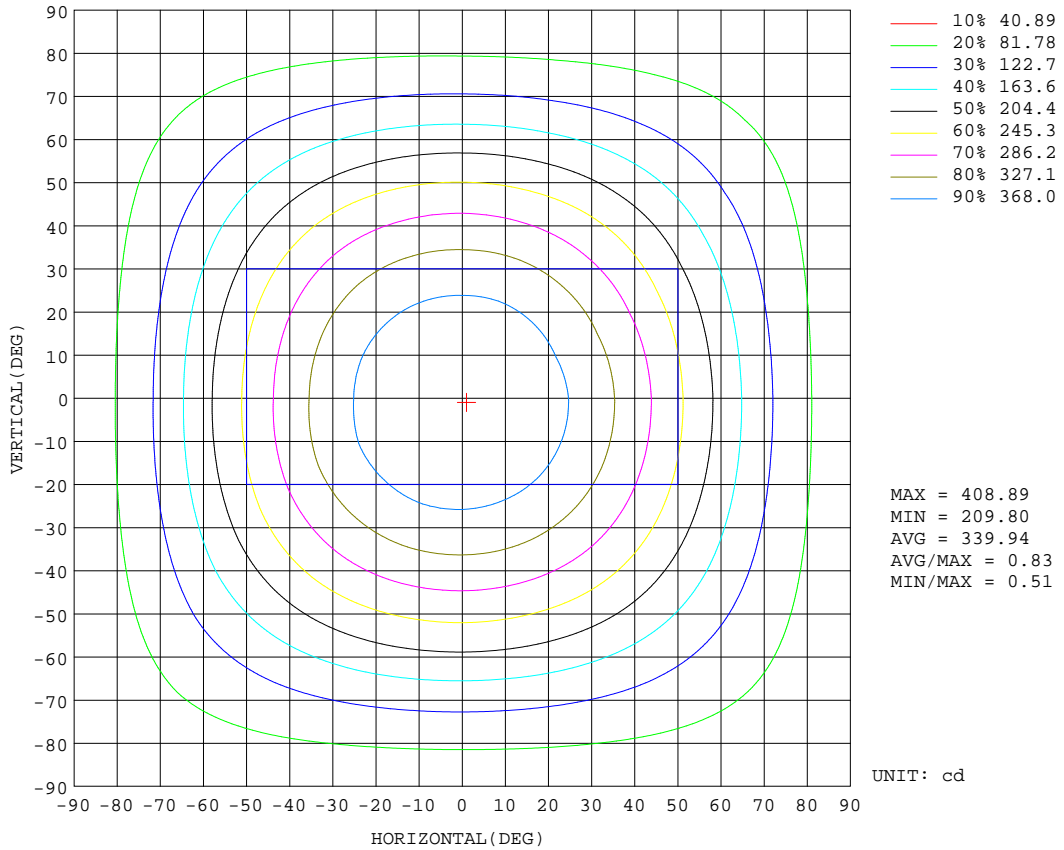
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	41	34	51	40	34	27
0.80	63	50	43	61	50	42	59	49	42	35
1.00	71	59	51	69	58	51	66	59	50	42
1.25	78	66	58	76	65	58	72	63	57	48
1.50	83	72	64	81	70	63	77	68	62	53
2.00	90	80	73	87	78	72	83	75	69	60
2.50	94	85	78	91	83	77	86	79	74	64
3.00	97	89	83	95	87	81	89	83	78	68
4.00	102	95	89	99	92	87	93	88	84	72
5.00	104	98	93	101	96	91	95	91	87	75
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:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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

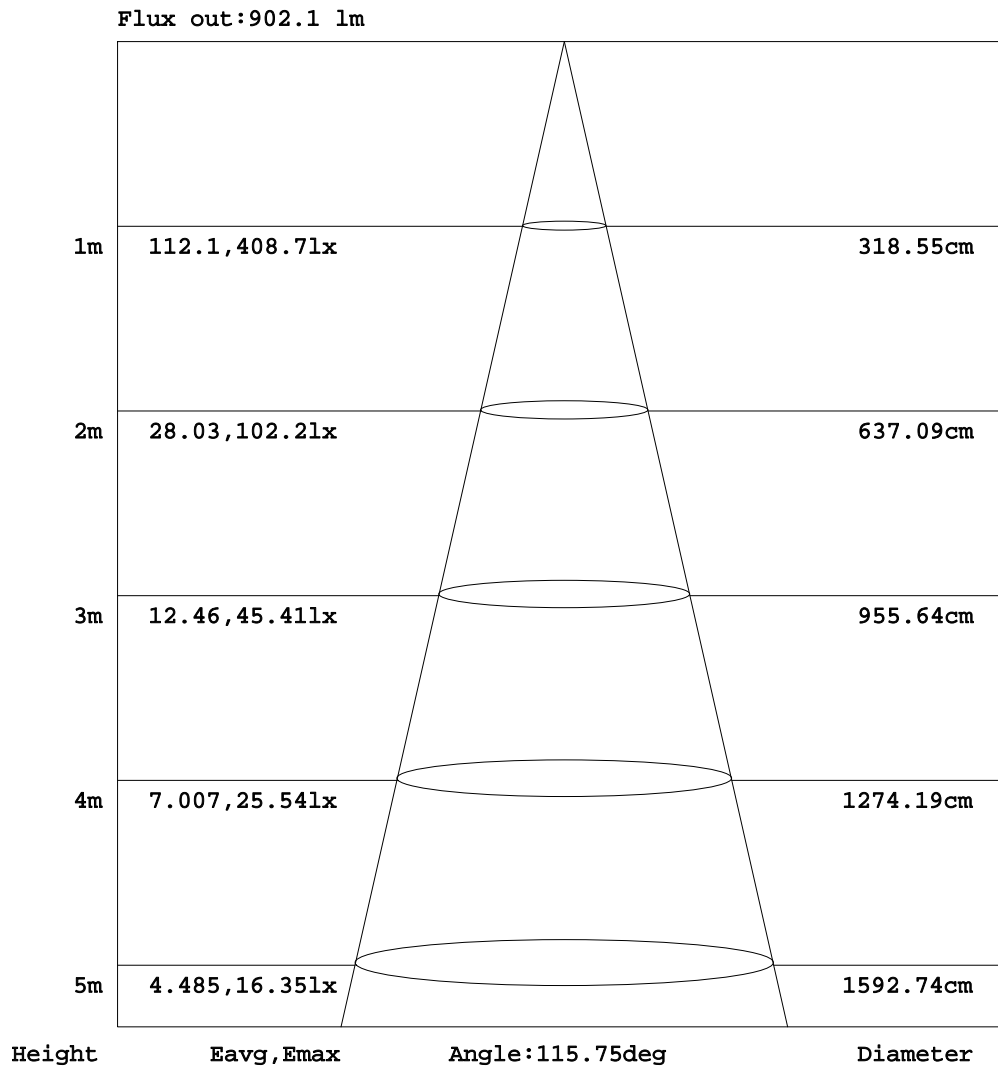


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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



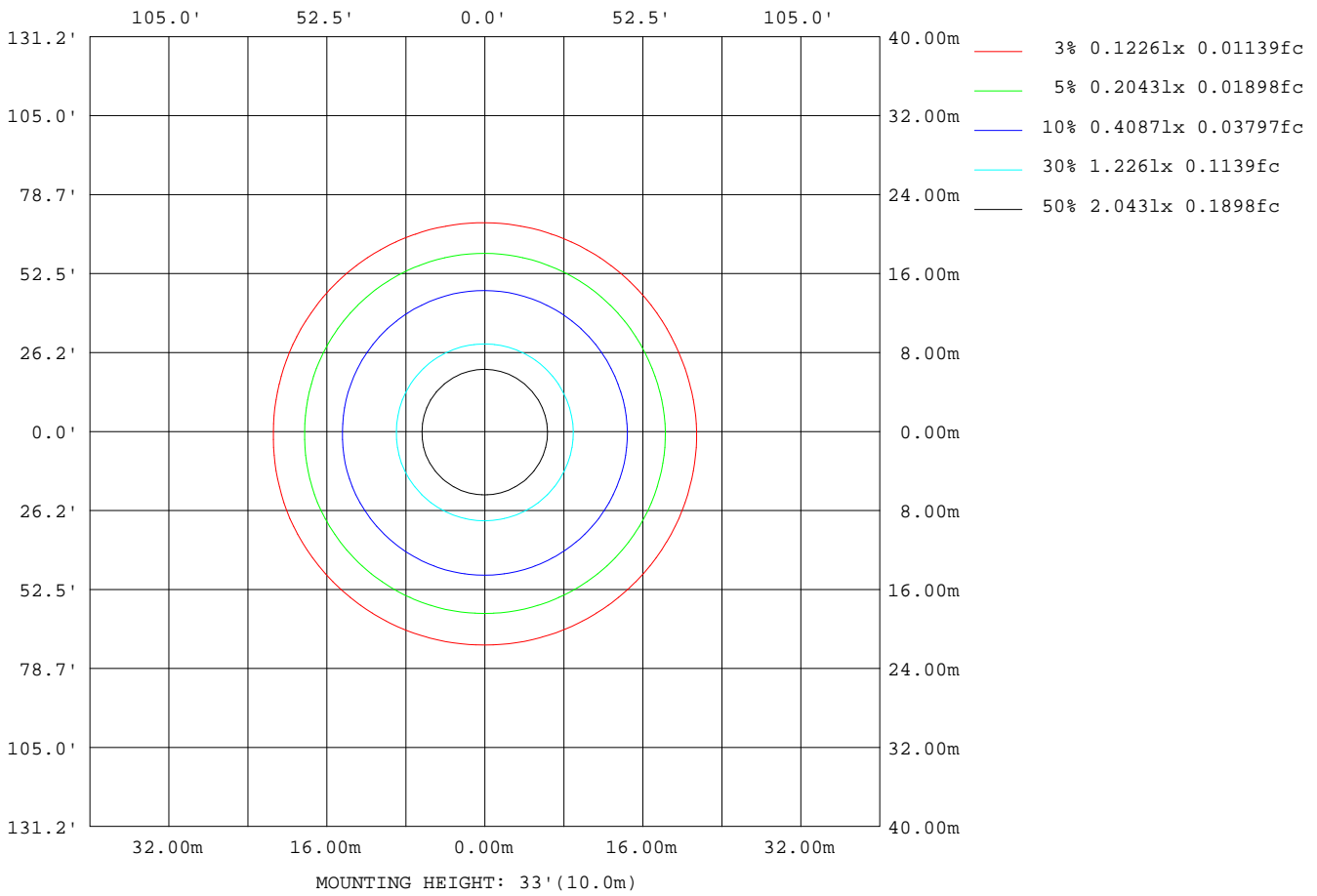
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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

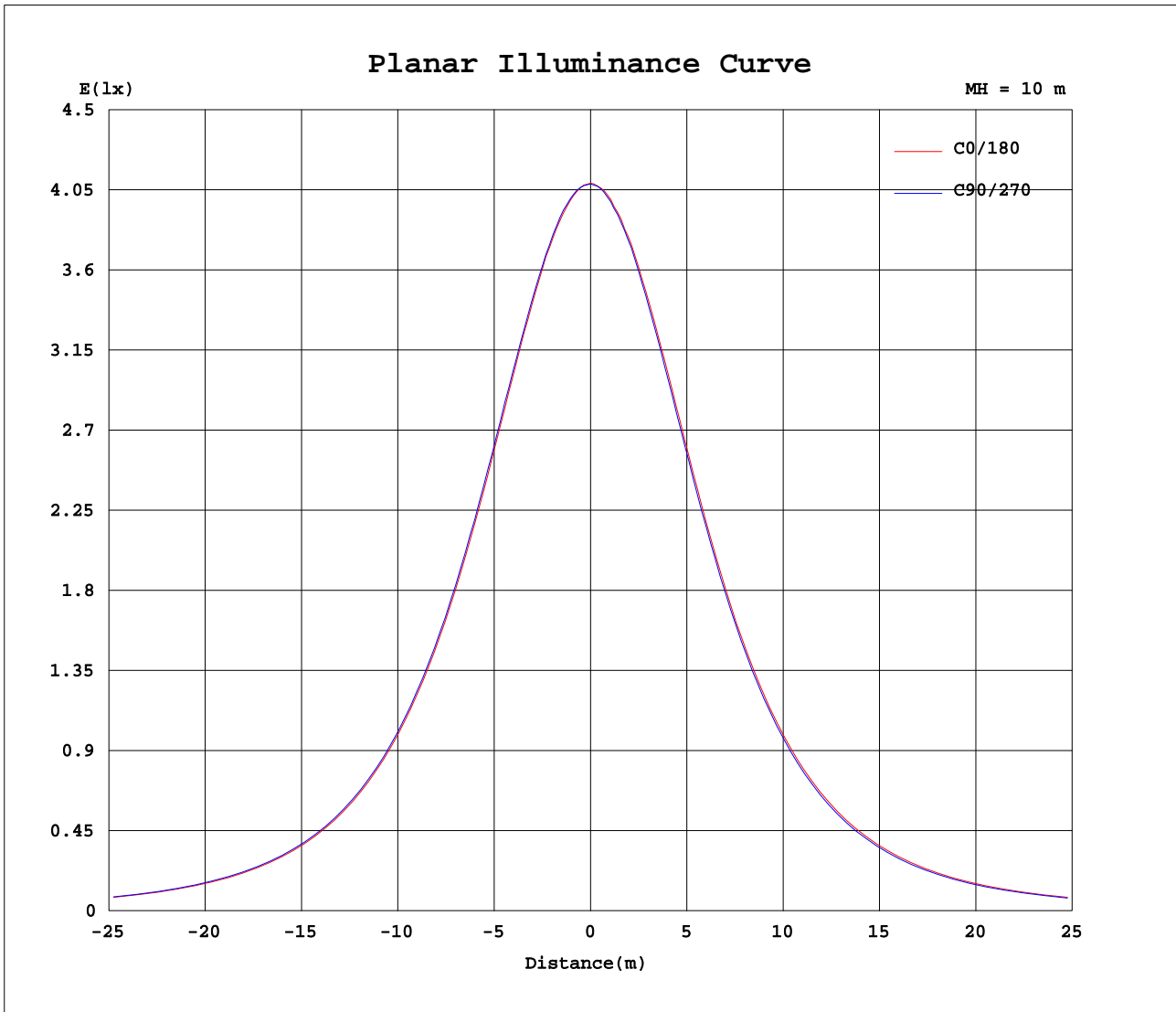
AvgL	cd/m2
L_0~180(65)av	16166
L_0~180(75)av	17420
L_0~180(85)av	31927
L_90~270(65)av	16083
L_90~270(75)av	17287
L_90~270(85)av	31302
L_45(65)av	16125
L_45(75)av	17366
L_45(85)av	31611

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:50%
 Test Distance:2.526m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.2DEG
 Operators: Carl
 Test Date: 2022-05-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 50%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.1274A P:15.08W PF:0.9858 Lamp Flux:1402.48x1 lm		
NAME: ASD-LFMDR-MV-12N15CC-MS-NK 4000K	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	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408			
5	406	408	407	407	407	408	407	407	406	407	406	406	405	406	405	406			
10	401	402	402	402	403	403	403	403	401	402	401	401	400	400	400	400			
15	393	394	394	395	395	395	396	395	393	394	393	392	391	391	391	391			
20	381	383	383	384	384	385	385	385	382	383	381	380	380	379	379	379			
25	367	369	368	370	370	371	371	371	368	369	366	366	364	364	365	364			
30	349	351	351	353	354	354	354	354	350	349	348	347	345	345	345	346			
35	328	331	330	332	332	333	333	333	329	329	328	326	325	324	324	324			
40	306	307	308	310	310	311	311	310	306	305	303	302	300	300	300	301			
45	279	282	282	283	284	285	285	284	280	279	277	276	275	273	273	275			
50	252	254	255	256	257	257	257	256	252	251	249	247	246	245	245	246			
55	223	225	226	227	228	228	229	227	222	221	219	218	216	215	215	217			
60	193	195	196	197	197	198	198	197	191	191	189	187	185	185	185	186			
65	162	165	165	166	167	167	167	166	161	160	158	157	155	154	155	156			
70	133	135	136	137	138	138	138	137	131	131	129	127	126	125	126	127			
75	108	110	110	111	111	111	111	111	106	105	104	102	101	100	100	102			
80	85.8	87.1	87.7	88.1	88.0	87.9	87.8	87.3	83.5	83.1	81.7	80.6	79.1	78.6	79.3	80.6			
85	67.2	68.3	68.5	68.6	68.1	68.2	68.2	67.6	64.5	64.1	63.2	62.4	61.0	60.5	61.0	62.4			
90	51.0	51.9	52.0	51.7	51.3	51.0	51.0	50.3	48.1	48.0	47.3	46.6	45.3	44.8	45.4	47.1			
95	38.0	39.0	38.4	37.8	37.3	37.5	37.3	36.6	34.6	34.8	35.0	34.2	33.8	33.0	33.5	35.2			
100	29.5	30.0	29.5	28.6	28.3	28.1	27.9	27.8	26.4	27.0	27.2	26.9	26.9	26.8	27.0	28.2			
105	26.5	26.4	25.8	25.1	24.4	23.9	23.7	24.0	24.3	25.0	25.3	25.5	25.8	26.0	26.2	26.4			
110	26.3	26.1	25.6	24.8	24.3	23.7	23.6	23.7	24.2	24.8	25.0	25.1	25.4	25.6	25.8	26.0			
115	25.0	24.7	23.7	22.9	22.4	22.4	22.3	22.6	22.9	23.4	23.8	24.0	24.1	24.2	24.4	24.6			
120	22.2	21.3	19.9	19.1	18.7	19.0	19.8	20.3	20.6	21.2	21.6	21.9	22.0	22.0	21.9	22.1			
125	18.5	16.9	15.3	14.5	14.2	14.7	15.9	17.4	17.9	18.6	19.2	19.4	19.5	19.5	19.2	19.0			
130	14.3	12.4	10.7	9.77	9.61	10.3	11.9	13.6	14.9	15.9	16.4	16.8	16.7	16.7	16.1	15.5			
135	10.0	7.91	6.38	5.49	5.48	6.22	7.77	9.69	11.1	12.6	13.3	13.7	13.5	13.4	12.6	11.4			
140	5.96	4.35	3.46	2.95	2.97	3.57	4.63	6.25	7.37	8.87	9.88	10.3	10.3	9.85	8.70	7.36			
145	3.50	2.62	1.92	1.68	1.72	1.93	3.24	4.02	4.74	5.59	6.27	6.95	6.65	6.14	5.09	4.26			
150	2.72	1.95	1.82	1.79	1.52	1.55	2.76	2.64	2.97	4.13	4.27	5.45	4.31	3.65	2.98	2.12			
155	1.71	2.05	2.01	1.91	1.52	1.74	1.76	2.20	1.96	2.13	1.96	2.72	2.61	2.46	1.72	1.31			
160	2.26	2.92	2.08	2.26	1.46	1.68	1.73	1.92	1.57	1.56	1.05	2.34	1.78	1.79	1.41	1.06			
165	1.76	2.17	2.06	1.99	1.51	1.31	1.70	1.74	1.56	1.52	0.94	1.14	1.59	1.69	1.73	1.21			
170	1.62	2.19	2.10	1.94	1.63	1.18	1.61	1.66	1.28	1.19	0.93	1.18	1.65	1.77	1.81	1.18			
175	1.58	1.69	1.84	1.88	1.67	1.16	1.04	1.56	0.77	0.79	0.60	0.93	1.23	1.30	1.17	1.23			
180	0.57	0.30	0.23	0.48	0.65	0.67	0.68	0.66	0.69	0.68	0.67	0.67	0.67	0.68	0.68	0.68			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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 Operators:Carl
 Test Date:2022-05-19

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