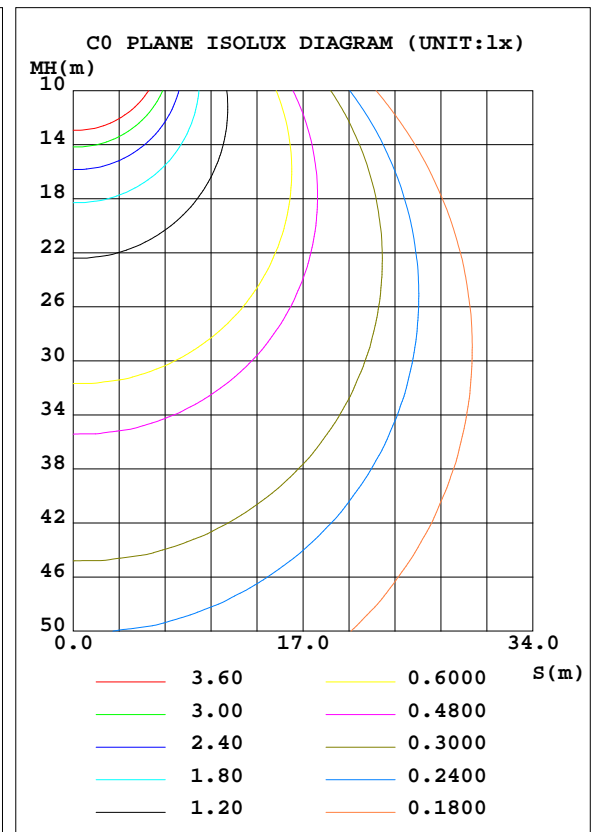
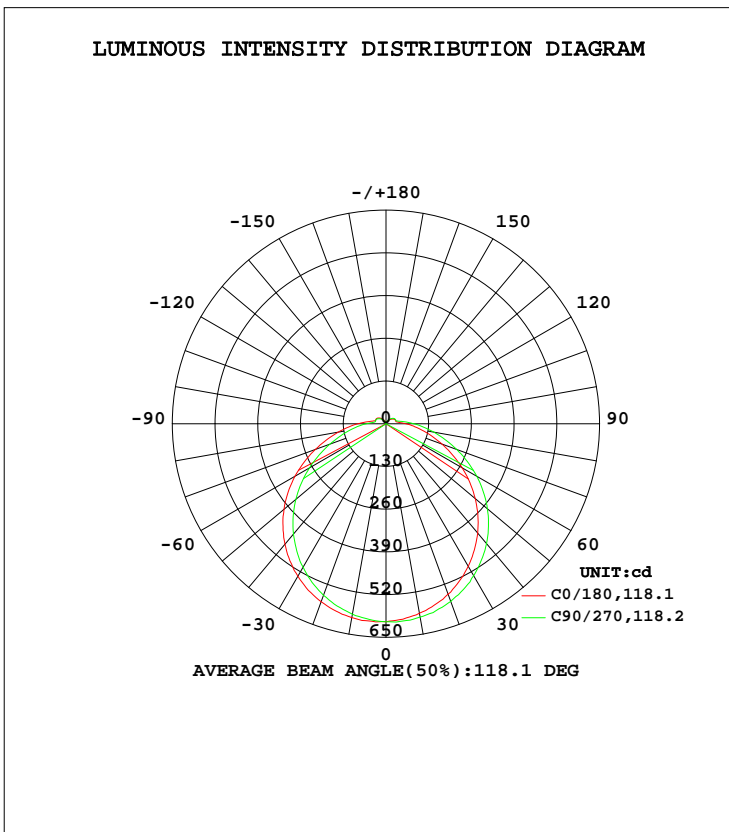


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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: 86.40 lm/W			
MODEL	PSZ2S220523003-10	I _{max} (cd)	604.5	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2116.8	η UP, DN(C0-180)	4.2,44.4
NOMINAL FLUX(lm)	2116.75	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.5,47.0
LAMPS INSIDE	1	η up(%)	8.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	91.4	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 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	599.0	593.1	588.6	584.1	585.6	591.2	597.4	598.7	0- 10	57.03	57.03	2.69,2.69
20	576.7	565.8	556.0	550.0	552.0	563.8	575.4	577.6	10- 20	164.1	221.1	10.4,10.4
30	536.3	520.3	504.4	498.0	500.9	516.9	534.0	538.9	20- 30	250.9	471.9	22.3,22.3
40	478.4	457.5	438.6	429.4	434.3	455.1	475.7	482.6	30- 40	306.3	778.3	36.8,36.8
50	405.2	380.6	358.2	348.8	354.9	379.8	402.9	411.1	40- 50	324.0	1102	52.1,52.1
60	320.1	292.7	269.1	260.3	267.3	293.9	318.8	326.5	50- 60	302.0	1404	66.3,66.3
70	228.6	203.1	181.7	174.8	181.5	205.8	229.2	236.2	60- 70	246.5	1651	78,78
80	147.6	126.5	110.8	106.0	110.7	129.5	147.8	153.7	70- 80	174.9	1826	86.2,86.2
90	86.06	71.20	60.40	57.46	61.12	73.45	85.69	89.77	80- 90	108.3	1934	91.4,91.4
100	45.69	38.40	34.25	33.13	33.95	38.77	44.73	47.90	90-100	59.13	1993	94.2,94.2
110	33.90	33.82	33.22	31.52	31.02	31.53	31.80	32.83	100-110	36.39	2029	95.9,95.9
120	32.72	31.79	30.21	28.38	28.40	29.88	30.72	31.95	110-120	31.55	2061	97.4,97.4
130	27.87	25.98	23.93	22.25	22.10	24.22	25.80	27.18	120-130	25.14	2086	98.6,98.6
140	21.07	18.76	16.53	14.80	15.10	16.92	18.58	20.62	130-140	16.71	2103	99.3,99.3
150	13.31	11.24	9.463	8.095	7.362	9.038	10.74	12.53	140-150	8.894	2112	99.8,99.8
160	7.587	5.588	5.088	4.621	4.002	4.584	5.938	6.604	150-160	3.602	2115	99.9,99.9
170	4.477	3.253	3.107	2.301	2.154	2.474	2.674	3.574	160-170	1.173	2117	100,100
180	0.6209	0.8648	0.3924	0.9992	1.018	1.012	1.010	1.003	170-180	0.2276	2117	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 940.57 lm

%lum = 44.4%
%lamp = 44.4%

Conical surface Flux(120deg): 1404.3 lm

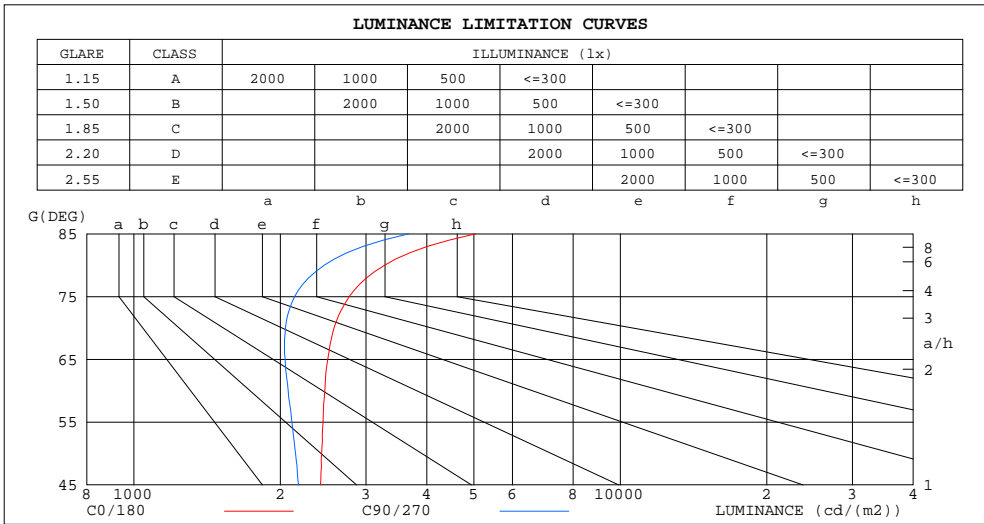
%lum = 66.3%
%lamp = 66.3%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.4DEG
Operators:Carl
Test Date:2022-06-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:37%
Test Distance:2.526m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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	5040	3669
80	3278	2461
75	2771	2140
70	2579	2049
65	2504	2046
60	2470	2076
55	2449	2113
50	2432	2149
45	2419	2179

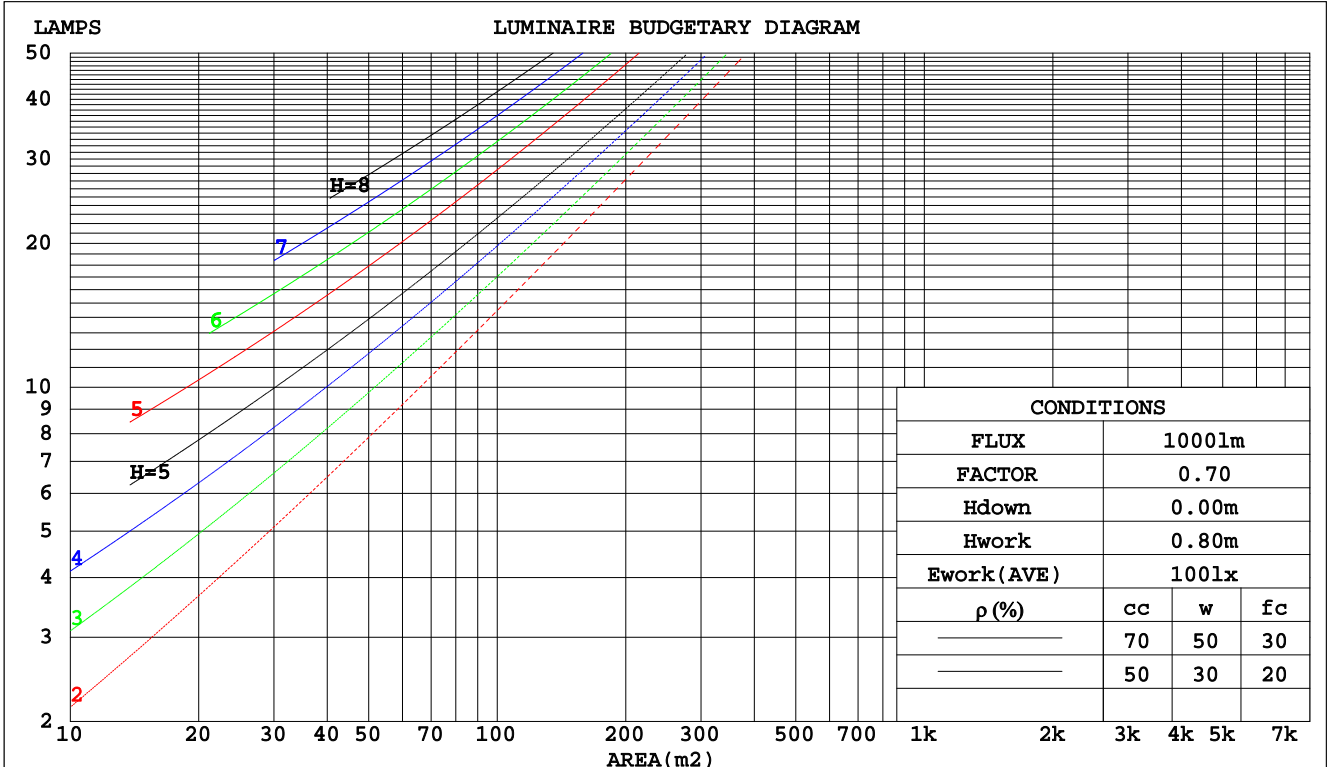
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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	.00	.00	.00	.94	.94	.94	.91
1.0	.00	.95	.90	.96	.92	.88	.91	.87	.84	.85	.82	.80	.80	.78	.76	.73
2.0	.86	.79	.72	.83	.77	.71	.78	.73	.68	.74	.69	.65	.69	.66	.62	.60
3.0	.75	.66	.60	.73	.65	.58	.69	.62	.56	.65	.59	.54	.61	.56	.52	.50
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.48	.57	.51	.46	.54	.49	.44	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.49	.43	.38	.36
6.0	.53	.44	.37	.52	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.31
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.31	.42	.36	.31	.40	.34	.30	.28
8.0	.44	.35	.29	.43	.34	.29	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.36	.29	.25	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.23	.33	.27	.22	.31	.26	.22	.20



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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	.351	.200	.063	.342	.195	.062	.323	.185	.059	.306	.177	.057	.291	.169	.054	
2.0	.314	.172	.053	.306	.168	.052	.289	.161	.050	.274	.154	.048	.260	.147	.046	
3.0	.284	.151	.045	.276	.148	.045	.261	.142	.043	.248	.136	.042	.235	.130	.040	
4.0	.259	.134	.039	.251	.132	.039	.238	.126	.038	.226	.121	.037	.214	.117	.035	
5.0	.237	.121	.035	.230	.118	.034	.219	.114	.033	.207	.109	.033	.197	.105	.032	
6.0	.218	.109	.031	.212	.107	.031	.202	.103	.030	.192	.100	.029	.182	.096	.028	
7.0	.202	.100	.028	.197	.098	.028	.187	.095	.027	.178	.091	.027	.169	.088	.026	
8.0	.188	.092	.026	.183	.090	.026	.174	.087	.025	.166	.084	.024	.158	.081	.024	
9.0	.176	.085	.024	.171	.084	.023	.163	.081	.023	.156	.078	.022	.148	.075	.022	
10.0	.165	.079	.022	.161	.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	.256	.256	.256	.219	.219	.219	.149	.149	.149	.086	.086	.086	.027	.027	.027	
1.0	.250	.222	.197	.214	.191	.170	.146	.131	.118	.084	.076	.068	.027	.024	.022	
2.0	.242	.199	.162	.207	.171	.140	.142	.118	.098	.082	.069	.057	.026	.022	.019	
3.0	.234	.182	.139	.201	.157	.121	.138	.109	.085	.080	.064	.050	.026	.021	.016	
4.0	.227	.169	.124	.194	.146	.108	.134	.102	.076	.077	.059	.045	.025	.019	.015	
5.0	.219	.159	.114	.188	.137	.099	.130	.096	.070	.075	.056	.042	.024	.018	.014	
6.0	.212	.150	.106	.182	.130	.093	.126	.091	.066	.073	.054	.039	.023	.018	.013	
7.0	.205	.144	.101	.176	.124	.088	.122	.087	.062	.071	.051	.037	.023	.017	.012	
8.0	.198	.138	.097	.171	.120	.084	.118	.084	.060	.069	.050	.036	.022	.016	.012	
9.0	.192	.133	.093	.165	.115	.081	.115	.081	.058	.067	.048	.034	.022	.016	.011	
10.0	.186	.129	.091	.160	.112	.079	.111	.079	.056	.065	.047	.034	.021	.015	.011	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm										
NAME: ASD-LFMDR-MV-16D24CC-EM-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	15.5	16.9	15.9	17.3	17.7	14.8	16.3	15.2	16.6	17.0
3H	17.4	18.7	17.8	19.1	19.5	16.5	17.8	16.9	18.2	18.6
4H	18.3	19.6	18.8	20.0	20.4	17.3	18.6	17.7	19.0	19.4
6H	19.3	20.5	19.7	20.9	21.4	18.1	19.3	18.5	19.7	20.2
8H	19.8	20.9	20.2	21.4	21.9	18.5	19.6	19.0	20.1	20.6
12H	20.3	21.5	20.8	21.9	22.4	18.9	20.0	19.4	20.5	21.0
4H 2H	16.1	17.3	16.5	17.7	18.2	15.6	16.8	16.0	17.2	17.7
3H	18.2	19.3	18.6	19.7	20.2	17.4	18.6	17.9	19.0	19.5
4H	19.3	20.3	19.8	20.8	21.3	18.4	19.4	18.9	19.9	20.4
6H	20.4	21.3	20.9	21.8	22.4	19.3	20.3	19.9	20.8	21.3
8H	21.0	21.9	21.5	22.4	22.9	19.8	20.7	20.4	21.2	21.8
12H	21.7	22.5	22.2	23.0	23.6	20.4	21.2	20.9	21.7	22.3
8H 4H	19.6	20.4	20.1	21.0	21.5	18.8	19.7	19.4	20.2	20.8
6H	21.0	21.7	21.5	22.2	22.8	20.0	20.8	20.6	21.3	21.9
8H	21.7	22.4	22.3	22.9	23.6	20.7	21.3	21.3	21.9	22.6
12H	22.6	23.2	23.2	23.8	24.4	21.4	22.0	22.1	22.6	23.3
12H 4H	19.6	20.4	20.2	20.9	21.5	18.9	19.7	19.5	20.3	20.8
6H	21.1	21.7	21.7	22.3	22.9	20.2	20.9	20.8	21.4	22.1
8H	21.9	22.5	22.6	23.1	23.8	21.0	21.6	21.6	22.1	22.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2117 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.6)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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

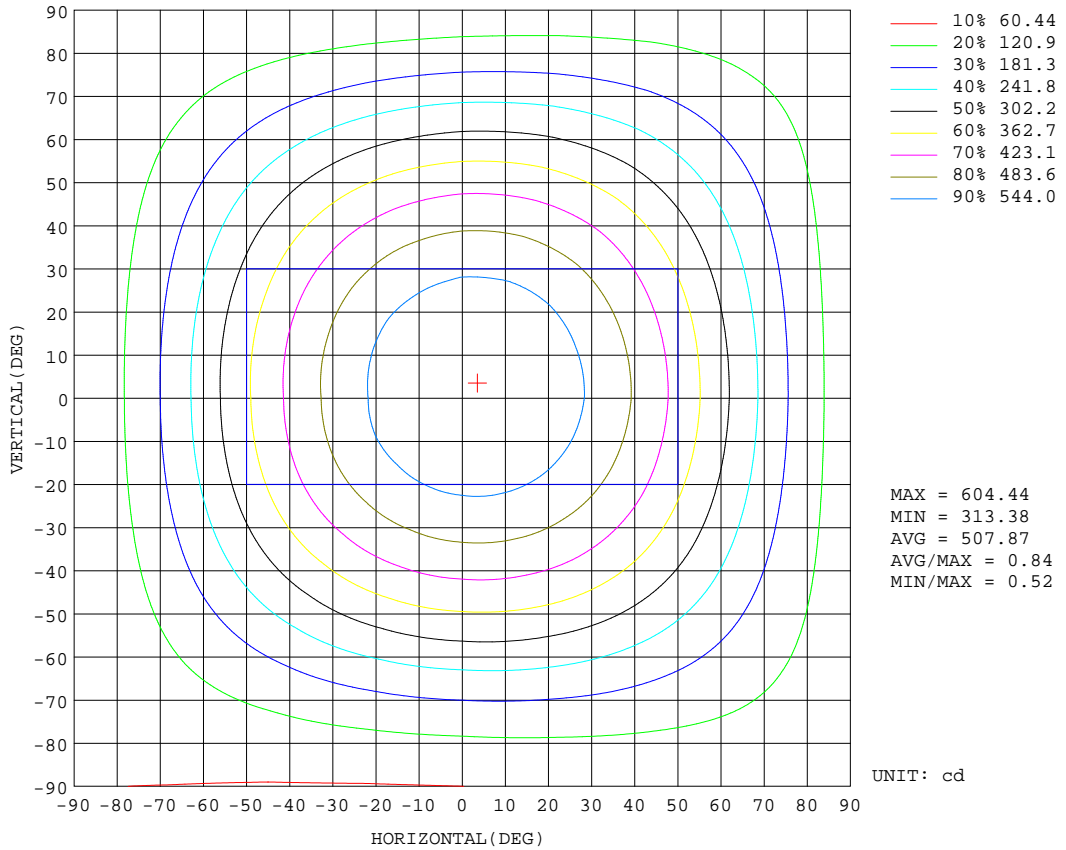
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	40	33	50	40	33	27
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	51	69	58	50	66	59	49	41
1.25	77	66	58	75	65	57	72	63	56	48
1.50	82	71	64	80	70	63	76	68	61	52
2.00	89	80	72	87	78	71	82	75	69	59
2.50	94	85	78	91	83	76	86	79	74	63
3.00	97	89	83	94	87	81	89	83	78	67
4.00	102	95	89	98	92	87	93	88	83	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:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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

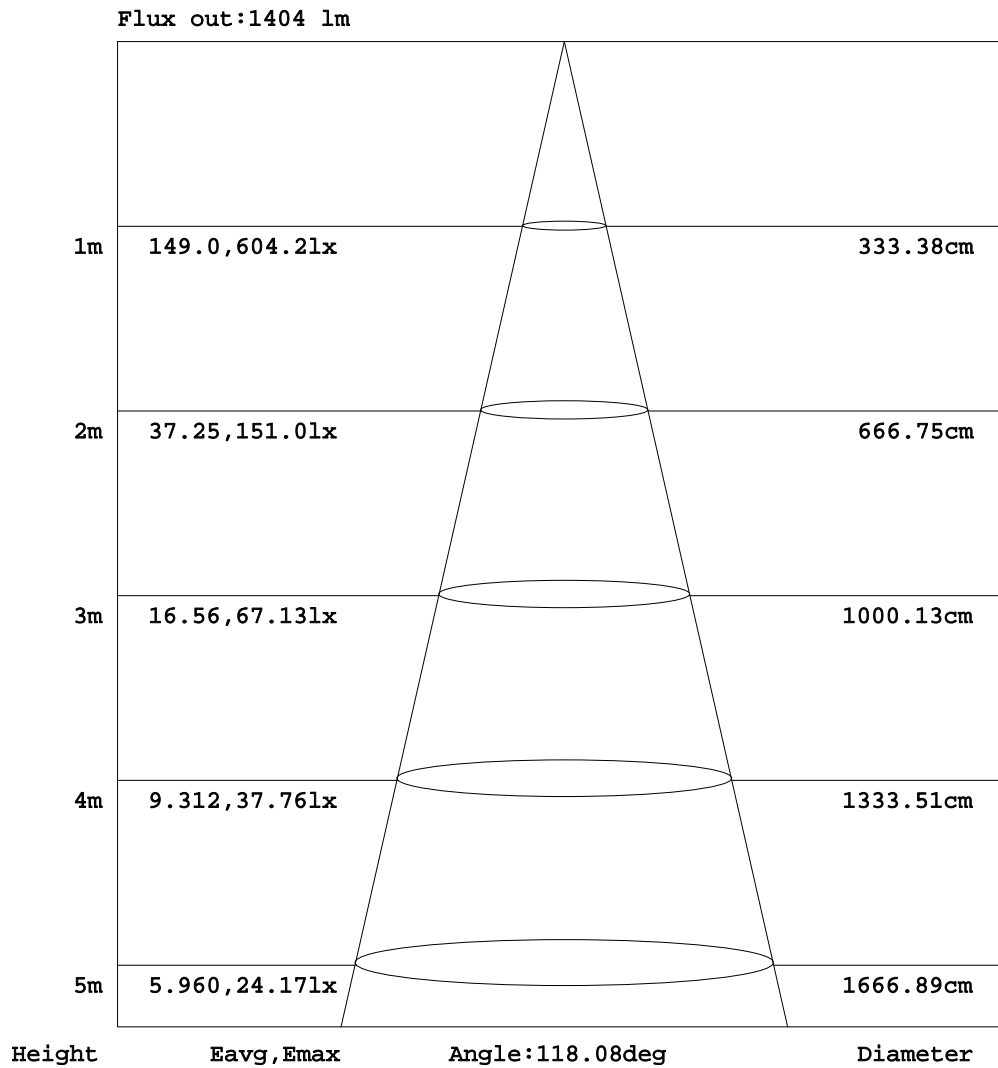


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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



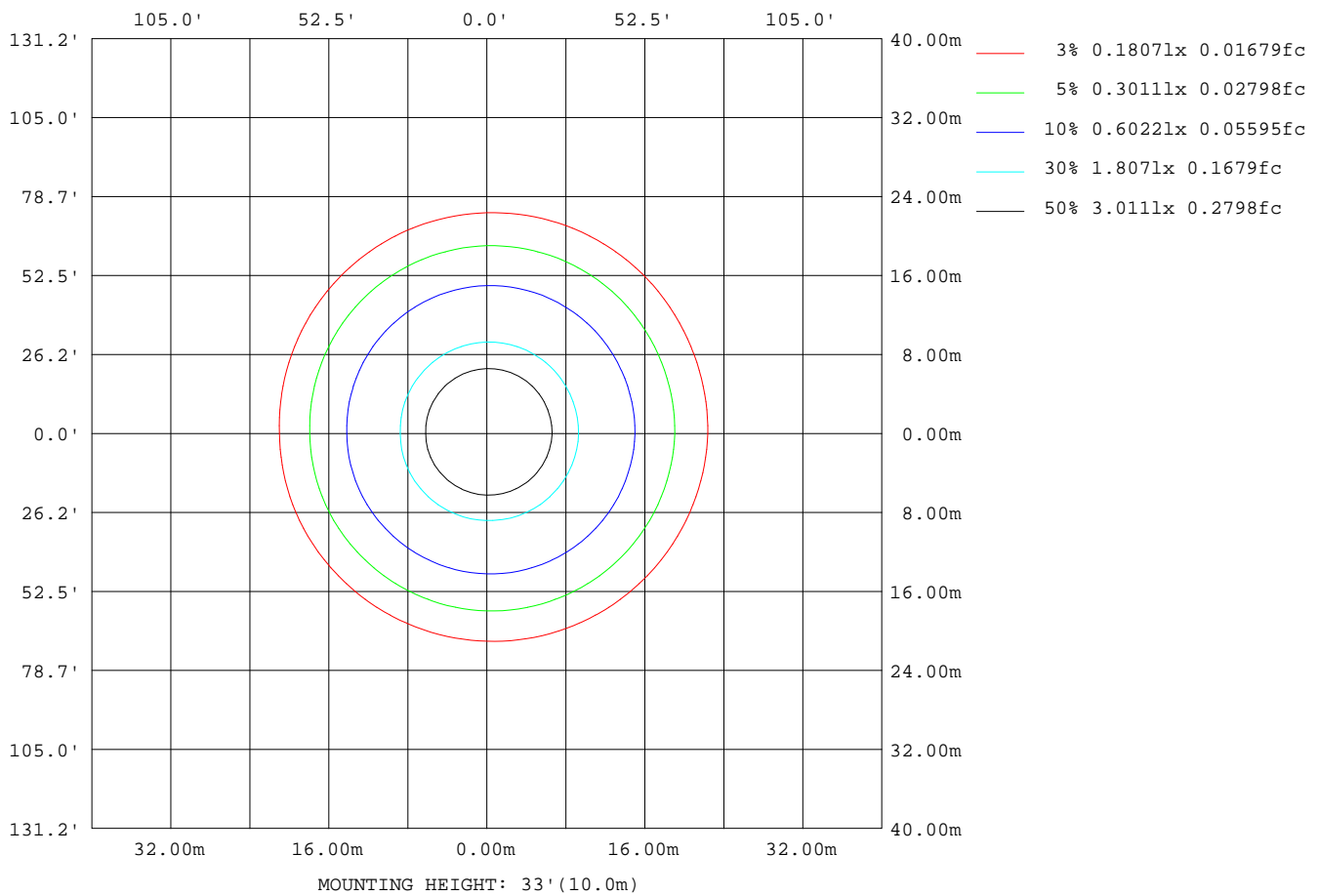
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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

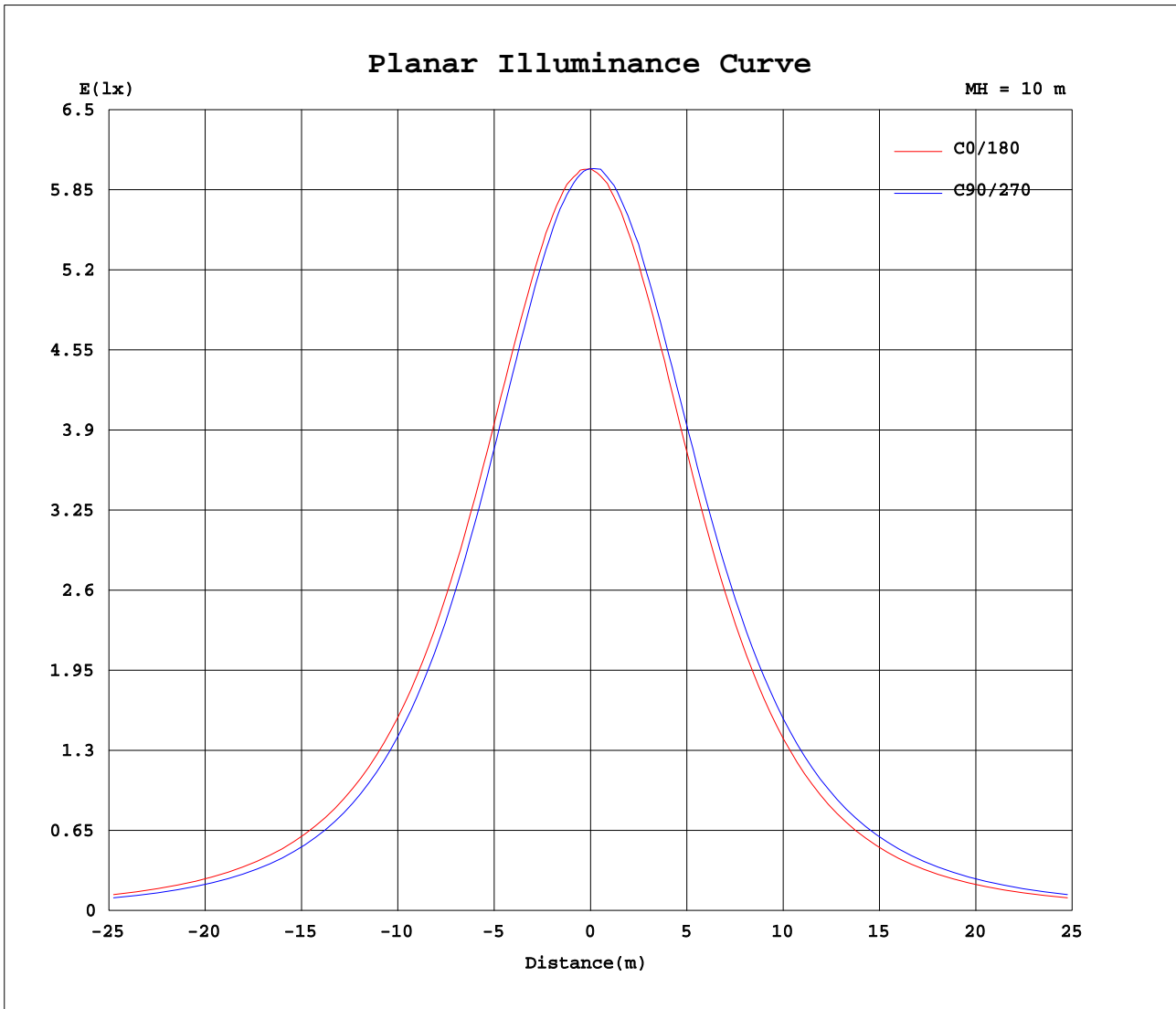
AvgL	cd/m2
L_0~180(65)av	2270
L_0~180(75)av	2457
L_0~180(85)av	4372
L_90~270(65)av	2274
L_90~270(75)av	2460
L_90~270(85)av	4353
L_45(65)av	2268
L_45(75)av	2455
L_45(85)av	4352

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:37%
 Test Distance:2.526m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4DEG
 Operators: Carl
 Test Date: 2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 37%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.2087A P:24.50W PF:0.9778 Lamp Flux:2116.75x1 lm		
NAME: ASD-LFMDR-MV-16D24CC-EM-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	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602			
5	602	603	600	599	598	597	595	597	597	597	599	601	602	604	603	604			
10	599	596	593	590	589	586	584	586	586	589	591	594	597	600	599	600			
15	590	586	583	577	574	571	571	571	571	576	580	584	589	591	591	591			
20	577	573	566	560	556	552	550	552	552	558	564	570	575	578	578	578			
25	559	554	545	538	533	528	526	528	528	536	544	550	557	561	562	561			
30	536	530	520	512	504	500	498	500	501	508	517	526	534	538	539	538			
35	510	502	491	482	473	468	465	468	469	478	488	498	506	512	513	511			
40	478	469	458	447	439	432	429	432	434	444	455	466	476	482	483	480			
45	443	434	421	409	399	393	390	394	395	406	419	431	441	447	448	446			
50	405	394	381	368	358	352	349	353	355	366	380	392	403	410	411	408			
55	364	352	338	325	314	308	305	309	312	324	337	351	362	369	370	367			
60	320	307	293	280	269	263	260	265	267	280	294	308	319	326	327	323			
65	274	261	247	235	224	218	216	220	223	235	249	263	274	281	281	277			
70	229	217	203	191	182	176	175	179	181	193	206	219	229	235	236	232			
75	186	174	162	152	144	139	138	141	144	154	166	177	186	192	193	189			
80	148	137	126	118	111	107	106	109	111	120	129	139	148	153	154	150			
85	114	105	96.4	88.7	82.9	79.9	79.3	82.0	83.6	91.1	99.0	107	114	118	119	115			
90	86.1	78.9	71.2	64.9	60.4	57.9	57.5	59.9	61.1	66.9	73.4	80.0	85.7	89.3	89.8	87.2			
95	62.8	57.1	51.0	46.7	43.4	42.1	41.4	42.8	43.9	48.2	53.0	57.9	62.3	65.3	66.1	64.0			
100	45.7	41.9	38.4	36.4	34.2	33.7	33.1	33.5	34.0	36.0	38.8	41.8	44.7	46.9	47.9	46.4			
105	36.1	34.4	33.6	33.8	33.2	32.8	31.9	31.4	31.1	31.3	31.7	33.1	34.4	35.8	36.5	35.6			
110	33.9	33.9	33.8	34.0	33.2	32.5	31.5	31.1	31.0	31.3	31.5	31.7	31.8	32.2	32.8	32.9			
115	33.6	33.5	33.2	33.0	32.4	31.5	30.4	30.2	30.2	30.7	31.1	31.4	31.6	32.1	32.7	33.0			
120	32.7	32.3	31.8	31.2	30.2	29.4	28.4	28.2	28.4	29.2	29.9	30.3	30.7	31.3	31.9	32.2			
125	30.9	30.2	29.2	28.5	27.2	26.4	25.6	25.2	25.5	26.4	27.3	28.2	28.8	29.6	30.2	30.4			
130	27.9	27.0	26.0	25.3	23.9	23.0	22.3	22.2	22.1	23.1	24.2	24.9	25.8	26.8	27.2	27.5			
135	24.5	23.5	22.7	21.6	20.3	19.8	18.7	18.8	19.0	19.5	20.8	21.3	22.3	23.4	24.1	24.1			
140	21.1	20.1	18.8	17.8	16.5	15.6	14.8	15.2	15.1	16.1	16.9	17.7	18.6	19.9	20.6	20.4			
145	17.0	16.0	14.9	14.0	12.9	11.4	11.0	11.5	11.3	12.1	13.1	14.2	14.9	15.9	16.7	16.5			
150	13.3	12.3	11.2	10.5	9.46	8.19	8.10	9.12	7.36	8.47	9.04	10.0	10.7	11.8	12.5	12.7			
155	9.69	8.93	7.99	7.71	6.76	6.22	6.56	6.40	5.49	5.94	7.60	7.17	7.58	8.01	9.06	9.74			
160	7.59	6.66	5.59	5.16	5.09	4.69	4.62	4.43	4.00	4.44	4.58	4.51	5.94	5.64	6.60	7.04			
165	5.50	4.97	3.63	3.45	3.67	3.87	3.18	3.47	2.76	3.00	3.58	3.45	3.98	4.06	4.94	5.09			
170	4.48	3.98	3.25	2.95	3.11	3.47	2.30	2.67	2.15	2.21	2.47	2.43	2.67	2.99	3.57	3.86			
175	3.24	2.54	2.48	1.89	1.90	1.92	1.85	2.42	1.58	1.66	1.80	1.58	1.76	1.89	1.82	2.66			
180	0.62	0.97	0.86	0.62	0.39	0.83	1.00	1.00	1.02	1.01	1.01	1.01	1.01	1.01	1.00	1.01			

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 C Interval: 22.5DEG
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