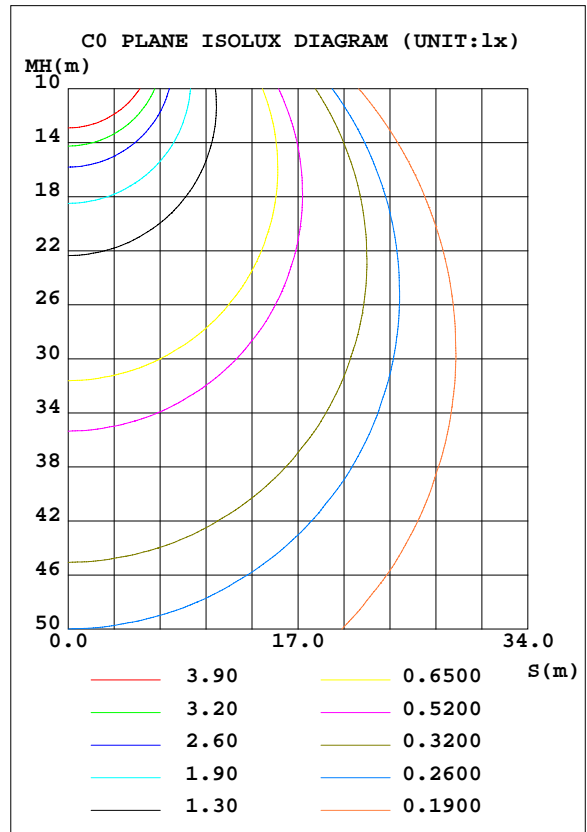
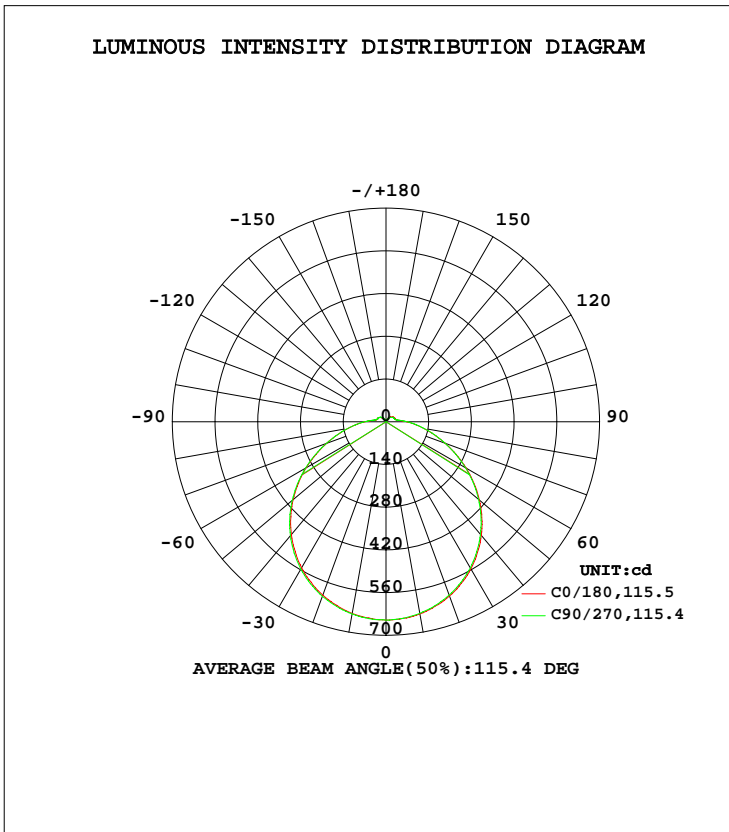


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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-MV-16N2440-NK	Imax(cd)	650.6	S/MH(C0/180)	1.27
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2192.0	η UP, DN(C0-180)	3.9,46.2
NOMINAL FLUX(lm)	2191.96	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.0,46.0
LAMPS INSIDE	1	η up(%)	7.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	92.2	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [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	638.1	638.9	639.7	640.3	640.0	638.6	637.6	637.4	0- 10	61.50	61.50	2.81,2.81
20	605.3	607.4	608.9	609.4	608.2	606.6	604.8	604.4	10- 20	176.5	238.0	10.9,10.9
30	552.9	555.1	557.9	558.3	556.2	554.7	553.0	552.0	20- 30	268.9	507.0	23.1,23.1
40	482.6	484.9	487.6	487.9	485.8	484.1	482.1	481.5	30- 40	326.5	833.5	38,38
50	397.6	399.6	401.4	401.6	399.7	397.6	396.4	396.4	40- 50	342.0	1175	53.6,53.6
60	302.4	303.7	304.6	304.2	303.0	301.9	301.2	301.6	50- 60	314.3	1490	68,68
70	207.0	207.3	208.1	206.9	206.0	206.6	206.4	206.9	60- 70	251.6	1741	79.4,79.4
80	127.1	126.9	127.6	126.2	124.8	126.1	125.9	126.7	70- 80	174.2	1916	87.4,87.4
90	69.22	69.33	70.60	69.30	68.09	69.51	69.96	69.73	80- 90	104.8	2020	92.2,92.2
100	35.48	35.12	36.42	36.22	36.07	36.48	36.21	36.03	90-100	55.00	2075	94.7,94.7
110	30.32	29.07	29.94	31.22	32.00	31.33	29.84	30.34	100-110	33.55	2109	96.2,96.2
120	27.53	26.43	27.67	28.90	29.56	29.36	27.80	28.02	110-120	29.37	2138	97.5,97.5
130	22.04	21.45	23.66	24.49	25.06	25.41	23.29	23.01	120-130	23.31	2162	98.6,98.6
140	15.96	15.26	17.33	18.69	19.37	19.75	17.54	17.05	130-140	16.05	2178	99.3,99.3
150	9.157	9.474	10.93	12.21	12.40	12.79	10.74	10.12	140-150	9.032	2187	99.8,99.8
160	4.717	4.916	6.277	6.898	6.539	6.715	5.657	4.571	150-160	3.812	2190	99.9,99.9
170	2.852	2.430	3.839	4.427	3.357	3.974	3.270	2.530	160-170	1.267	2192	100,100
180	0.8224	0.6657	0.6218	0.0674	0.8860	0.8859	0.8869	0.8868	170-180	0.2375	2192	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 11.0 %									UNIT:lm		

Conical surface Flux(90deg): 1005.3 lm

%lum = 45.9%
%lamp = 45.9%

Conical surface Flux(120deg): 1489.7 lm

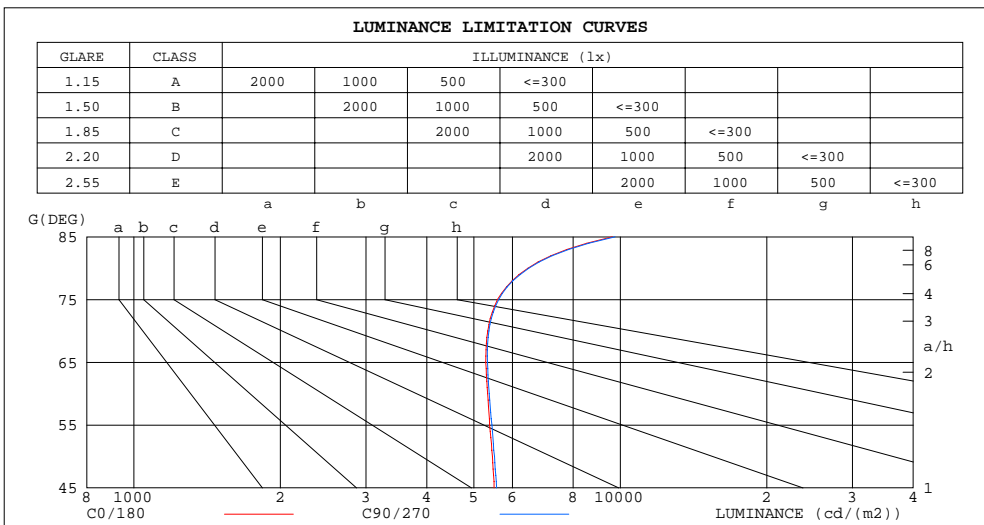
%lum = 68.0%
%lamp = 68.0%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.2DEG
Operators:Ben
Test Date:2020-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:44%
Test Distance:2.506m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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/(m2)		
G(DEG)	C0/180	C90/270
85	9632	9751
80	6458	6485
75	5587	5624
70	5340	5370
65	5287	5333
60	5335	5377
55	5385	5448
50	5457	5512
45	5502	5567

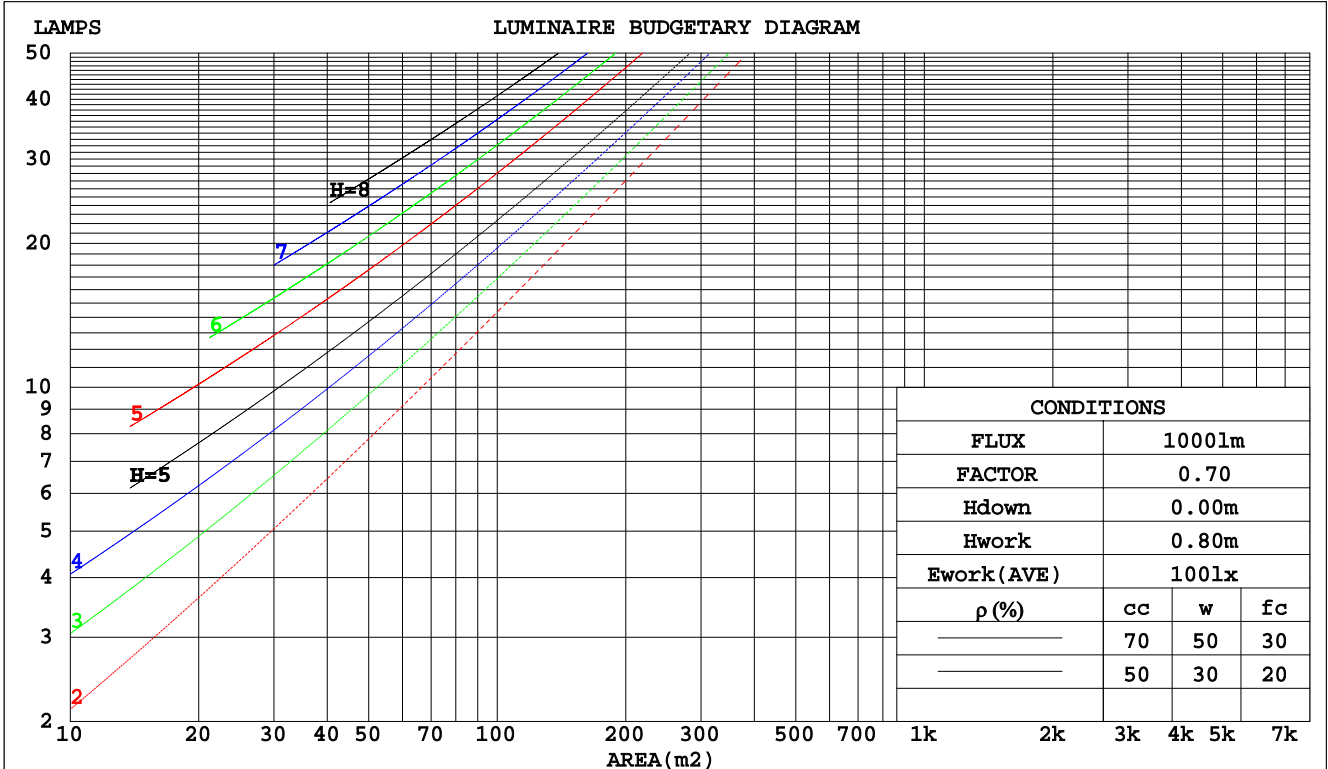
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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
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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.92
1.0	1.00	.95	.91	.97	.93	.89	.91	.88	.85	.86	.83	.81	.81	.79	.77	.74
2.0	.87	.79	.73	.84	.77	.72	.79	.74	.69	.75	.70	.66	.71	.67	.63	.61
3.0	.76	.67	.60	.74	.66	.59	.69	.63	.57	.66	.60	.55	.62	.57	.53	.51
4.0	.67	.58	.51	.65	.57	.50	.61	.54	.48	.58	.52	.47	.55	.50	.46	.43
5.0	.60	.50	.44	.58	.49	.43	.55	.47	.42	.52	.46	.41	.49	.44	.39	.37
6.0	.54	.44	.38	.52	.44	.37	.50	.42	.36	.47	.40	.35	.45	.39	.35	.32
7.0	.48	.40	.33	.47	.39	.33	.45	.38	.32	.43	.36	.31	.41	.35	.31	.28
8.0	.44	.36	.30	.43	.35	.29	.41	.34	.29	.39	.33	.28	.38	.32	.27	.25
9.0	.40	.32	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.36	.29	.24	.35	.28	.23	.33	.27	.23	.32	.26	.22	.21



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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	.192	.061	.318	.182	.058	.301	.174	.056	.286	.166	.054	
2.0	.310	.170	.052	.302	.166	.051	.286	.159	.049	.271	.152	.048	.257	.146	.046	
3.0	.281	.150	.045	.274	.147	.044	.259	.141	.043	.246	.135	.041	.234	.129	.040	
4.0	.256	.133	.039	.250	.131	.039	.237	.126	.037	.225	.121	.036	.214	.116	.035	
5.0	.235	.120	.035	.229	.118	.034	.217	.113	.033	.207	.109	.032	.197	.105	.032	
6.0	.217	.109	.031	.211	.107	.031	.201	.103	.030	.191	.099	.029	.182	.096	.028	
7.0	.201	.099	.028	.196	.098	.028	.187	.094	.027	.178	.091	.027	.169	.088	.026	
8.0	.187	.091	.026	.183	.090	.025	.174	.087	.025	.166	.084	.024	.158	.081	.024	
9.0	.175	.085	.024	.171	.083	.023	.163	.081	.023	.156	.078	.022	.149	.076	.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	.250	.250	.250	.214	.214	.214	.146	.146	.146	.084	.084	.084	.027	.027	.027	
1.0	.243	.216	.192	.208	.185	.165	.142	.128	.114	.082	.074	.066	.026	.024	.021	
2.0	.235	.192	.156	.202	.166	.135	.138	.115	.094	.080	.067	.055	.026	.022	.018	
3.0	.228	.175	.134	.195	.151	.116	.134	.105	.081	.077	.061	.048	.025	.020	.016	
4.0	.220	.162	.118	.189	.140	.103	.130	.098	.072	.075	.057	.043	.024	.019	.014	
5.0	.212	.152	.108	.182	.132	.094	.126	.092	.066	.073	.054	.039	.023	.018	.013	
6.0	.205	.144	.100	.176	.125	.087	.121	.087	.062	.070	.051	.037	.023	.017	.012	
7.0	.198	.137	.095	.170	.119	.082	.118	.083	.058	.068	.049	.035	.022	.016	.011	
8.0	.191	.131	.090	.165	.114	.079	.114	.080	.056	.066	.047	.033	.021	.015	.011	
9.0	.185	.127	.087	.160	.110	.076	.111	.077	.054	.064	.046	.032	.021	.015	.011	
10.0	.179	.122	.084	.155	.106	.074	.107	.075	.052	.063	.044	.031	.020	.015	.010	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm										
NAME: ASD-LFMDR-MV-16N2440-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	18.2	19.6	18.6	20.0	20.4	18.2	19.7	18.6	20.0	20.4
3H	19.9	21.3	20.3	21.6	22.0	20.0	21.3	20.4	21.7	22.1
4H	20.7	22.0	21.2	22.4	22.8	20.8	22.1	21.2	22.5	22.9
6H	21.6	22.8	22.0	23.2	23.6	21.6	22.8	22.1	23.2	23.7
8H	22.0	23.2	22.5	23.6	24.0	22.0	23.2	22.5	23.6	24.1
12H	22.5	23.6	22.9	24.0	24.5	22.5	23.6	23.0	24.1	24.5
4H 2H	18.8	20.1	19.3	20.5	20.9	18.9	20.1	19.3	20.5	20.9
3H	20.8	21.9	21.2	22.3	22.8	20.8	21.9	21.3	22.3	22.8
4H	21.7	22.8	22.2	23.2	23.7	21.8	22.8	22.3	23.3	23.8
6H	22.7	23.7	23.3	24.1	24.7	22.8	23.7	23.3	24.2	24.7
8H	23.3	24.1	23.8	24.6	25.2	23.3	24.2	23.8	24.7	25.2
12H	23.8	24.6	24.4	25.2	25.7	23.9	24.7	24.4	25.2	25.8
8H 4H	22.1	23.0	22.7	23.5	24.0	22.2	23.0	22.7	23.5	24.1
6H	23.4	24.1	23.9	24.6	25.2	23.4	24.1	24.0	24.7	25.2
8H	24.1	24.7	24.6	25.3	25.9	24.1	24.7	24.7	25.3	25.9
12H	24.8	25.4	25.4	26.0	26.6	24.9	25.4	25.5	26.0	26.7
12H 4H	22.2	23.0	22.7	23.5	24.1	22.2	23.0	22.8	23.5	24.1
6H	23.5	24.2	24.1	24.7	25.3	23.5	24.2	24.1	24.7	25.4
8H	24.3	24.9	24.9	25.4	26.1	24.3	24.9	24.9	25.5	26.1
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 2192 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.7)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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

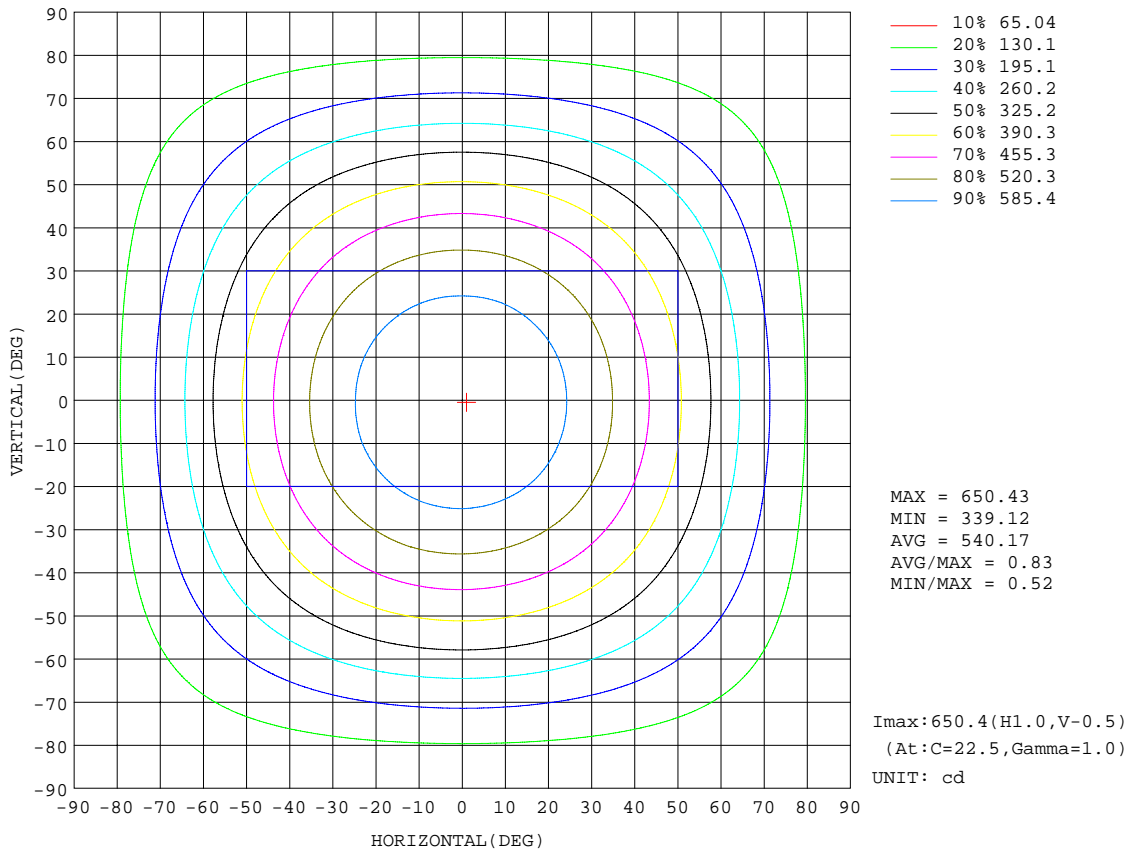
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	42	34	53	41	34	51	41	34	27
0.80	63	51	43	62	50	43	60	49	42	35
1.00	71	59	52	70	59	51	67	60	50	43
1.25	78	67	59	76	66	58	73	64	57	49
1.50	83	72	65	81	71	64	77	69	62	54
2.00	90	81	73	88	79	72	83	76	70	61
2.50	94	85	79	92	84	77	87	80	75	65
3.00	98	90	83	95	88	82	90	84	79	68
4.00	102	95	90	99	93	88	94	89	84	73
5.00	105	99	94	102	96	92	96	92	88	76
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:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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

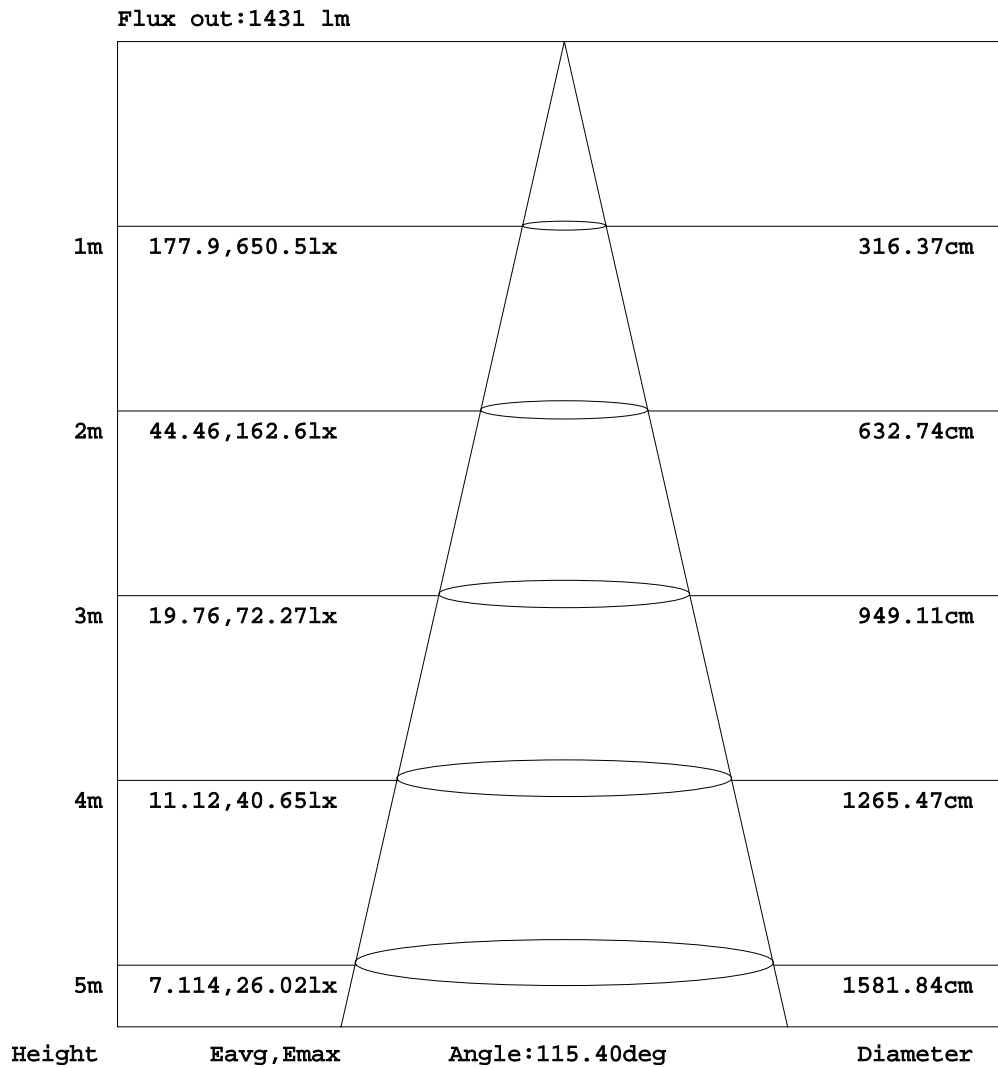


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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



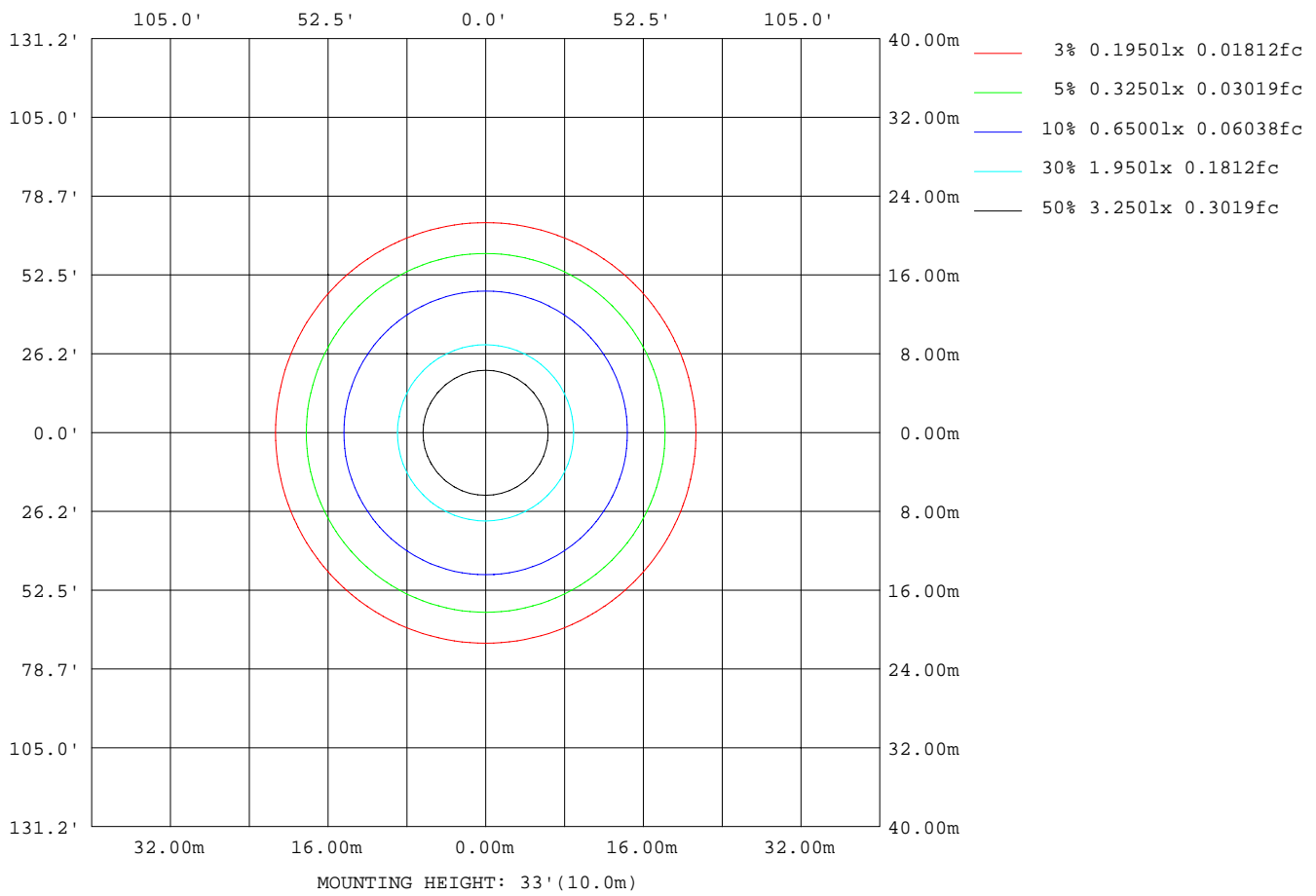
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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

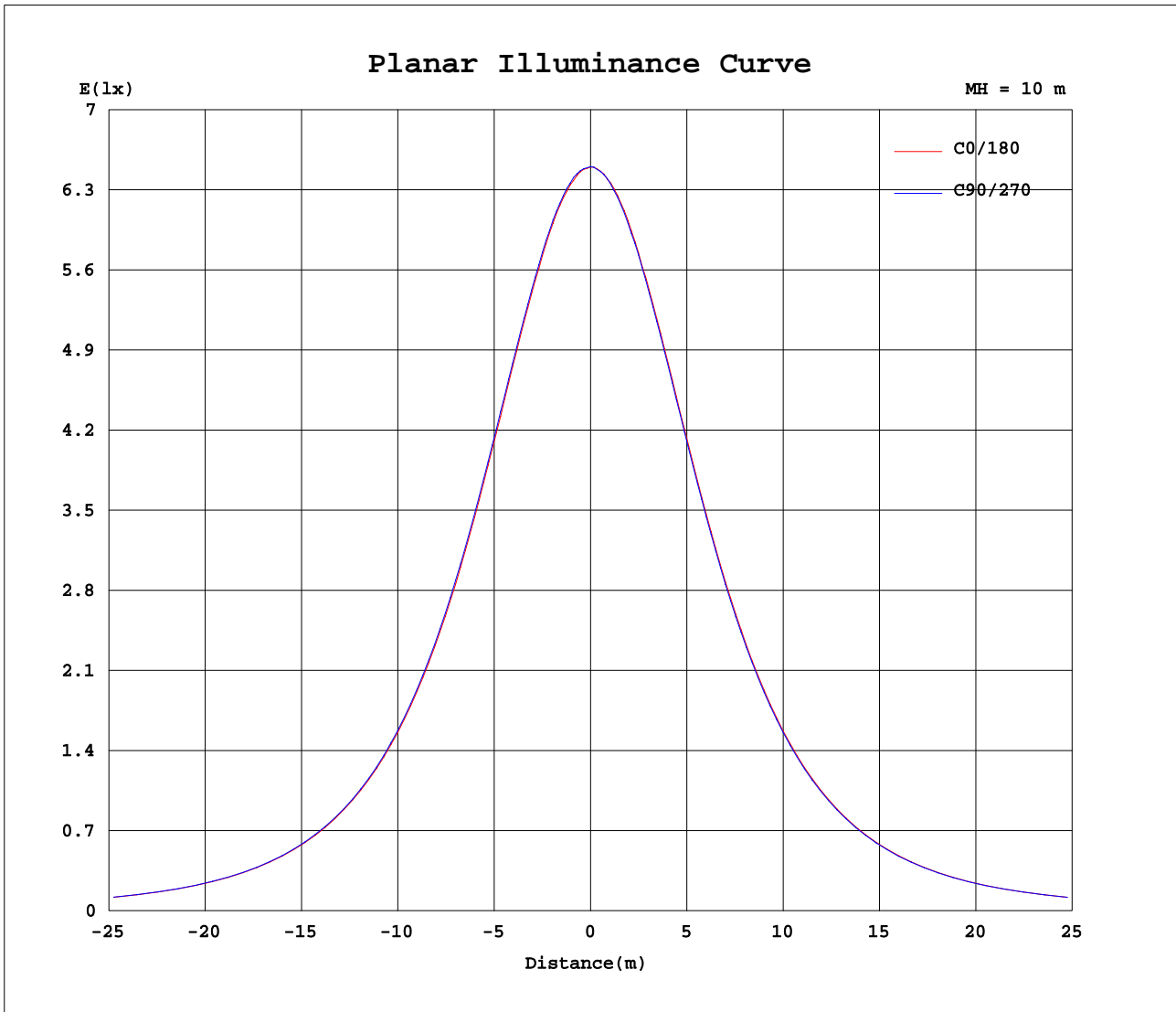
AvgL	cd/m2
L_0~180(65)av	5285
L_0~180(75)av	5570
L_0~180(85)av	9556
L_90~270(65)av	5298
L_90~270(75)av	5597
L_90~270(85)av	9688
L_45(65)av	5299
L_45(75)av	5593
L_45(85)av	9636

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.2DEG
 Operators:Ben
 Test Date:2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:44%
 Test Distance:2.506m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 24.2DEG
 Operators: Ben
 Test Date: 2020-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 44%
 Test Distance: 2.506m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2045A P:24.31W PF:0.9902 Lamp Flux:2191.96x1 lm		
NAME: ASD-LFMDR-MV-16N2440-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	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650			
5	646	646	647	647	648	648	648	648	647	647	647	647	647	647	646	646			
10	638	638	639	640	640	641	640	640	640	639	639	639	638	638	637	637			
15	623	624	626	627	626	628	627	627	625	626	625	624	624	624	623	624			
20	605	606	607	609	609	610	609	609	608	607	607	606	605	605	604	605			
25	581	582	584	585	586	587	586	586	584	584	583	582	581	581	581	581			
30	553	553	555	557	558	559	558	557	556	555	555	554	553	552	552	552			
35	519	521	523	524	525	526	525	525	523	522	521	520	519	519	519	519			
40	483	484	485	487	488	488	488	487	486	485	484	483	482	482	482	482			
45	441	442	444	446	446	447	446	446	444	444	443	441	440	440	440	441			
50	398	398	400	401	401	402	402	400	400	399	398	397	396	396	396	397			
55	350	351	352	353	354	354	354	353	352	351	351	350	349	349	350	350			
60	302	303	304	305	305	305	304	303	303	302	302	302	301	301	302	302			
65	253	254	255	255	255	255	254	254	253	253	253	253	252	253	253	254			
70	207	207	207	208	208	208	207	206	206	206	207	207	206	207	207	207			
75	164	164	164	165	165	165	163	162	163	163	164	164	164	164	165	165			
80	127	127	127	127	128	127	126	125	125	126	126	126	126	126	127	127			
85	95.2	95.0	95.4	96.0	96.3	96.0	94.9	94.1	93.7	94.4	94.9	95.3	95.1	95.3	95.5	95.4			
90	69.2	68.9	69.3	70.3	70.6	70.4	69.3	68.2	68.1	68.8	69.5	70.0	70.0	69.8	69.7	69.4			
95	48.2	48.0	48.5	49.4	50.1	49.9	48.7	48.0	48.1	49.1	49.6	49.8	49.7	49.6	49.3	48.7			
100	35.5	35.0	35.1	36.1	36.4	36.7	36.2	35.7	36.1	36.5	36.5	36.8	36.2	36.0	36.0	35.2			
105	30.6	29.9	29.6	29.9	30.3	31.0	31.5	31.9	32.2	32.2	31.4	30.8	30.3	30.2	30.5	30.4			
110	30.3	29.5	29.1	29.4	29.9	30.7	31.2	31.6	32.0	32.1	31.3	30.6	29.8	29.9	30.3	30.2			
115	29.3	28.5	28.1	28.5	29.2	30.0	30.4	30.7	31.2	31.4	30.7	29.9	29.1	29.1	29.6	29.5			
120	27.5	26.6	26.4	27.0	27.7	28.6	28.9	29.1	29.6	29.8	29.4	28.6	27.8	27.8	28.0	27.8			
125	25.0	24.3	24.1	24.8	25.7	26.4	26.7	26.9	27.4	27.7	27.4	26.6	25.8	25.6	25.7	25.5			
130	22.0	21.4	21.4	22.0	23.7	24.0	24.5	24.5	25.1	25.3	25.4	24.2	23.3	23.0	23.0	22.9			
135	18.8	18.3	18.7	19.3	20.5	21.2	21.7	22.1	22.4	22.8	22.9	21.6	20.5	20.3	20.0	19.6			
140	16.0	15.5	15.3	16.2	17.3	18.6	18.7	18.6	19.4	19.9	19.7	18.5	17.5	17.0	17.1	16.6			
145	12.3	12.0	12.0	13.0	14.1	15.2	15.8	15.5	16.1	16.4	16.3	15.2	14.4	13.6	13.3	12.4			
150	9.16	9.32	9.47	9.88	10.9	12.1	12.2	12.2	12.4	12.7	12.8	12.1	10.7	10.4	10.1	8.87			
155	6.25	6.71	6.54	7.24	8.30	8.87	9.40	9.13	9.01	9.18	9.23	8.38	7.68	7.63	7.07	6.19			
160	4.72	4.97	4.92	5.41	6.28	6.45	6.90	7.02	6.54	6.51	6.72	5.87	5.66	4.91	4.57	4.51			
165	3.86	3.78	3.54	4.28	4.54	4.90	5.23	5.05	4.37	4.53	4.92	4.30	4.00	3.38	3.15	3.52			
170	2.85	2.45	2.43	3.30	3.84	4.14	4.43	4.18	3.36	3.49	3.97	3.55	3.27	2.57	2.53	2.49			
175	1.34	1.36	1.80	1.86	2.57	3.05	2.84	2.32	2.20	2.22	2.55	2.47	2.22	1.95	1.92	1.16			
180	0.82	0.87	0.67	0.75	0.62	0.00	0.07	0.44	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89			

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