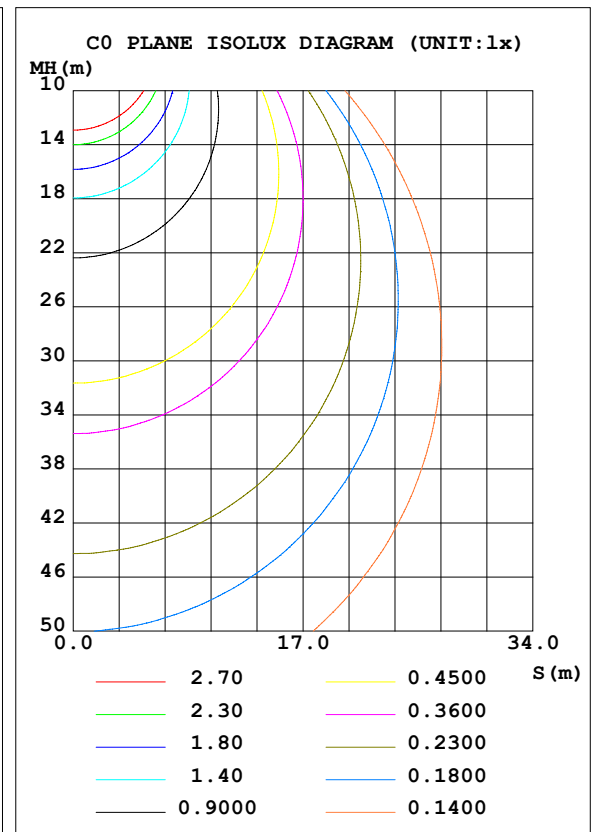
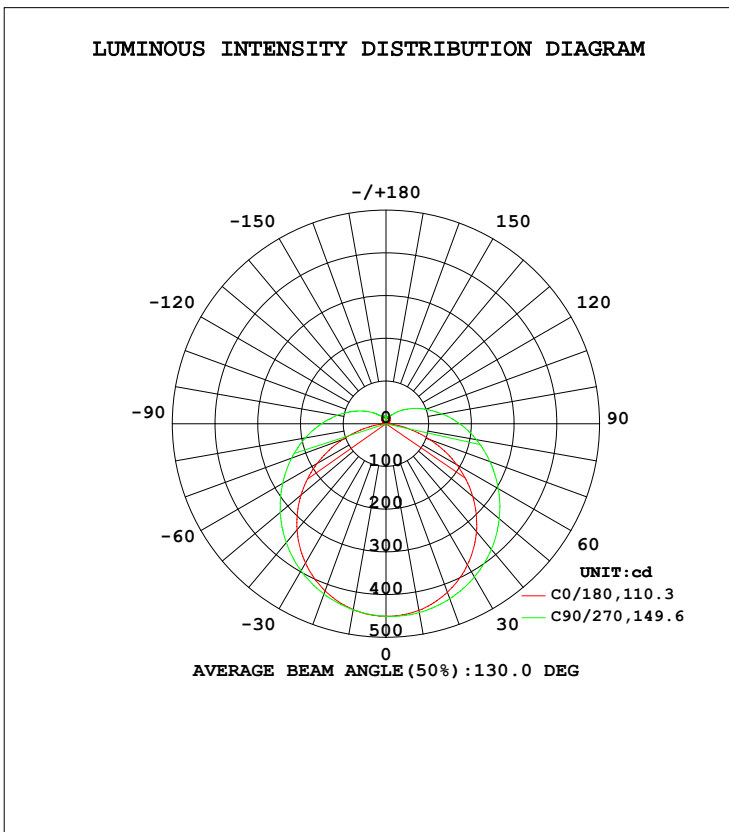


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.08 lm/W			
MODEL	ASD-LVF21-24D25CC-BZ	I _{max} (cd)	451.3	S/MH (C0/180)	1.26
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	1.37
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1844.5	η UP, DN (C0-180)	6.5, 41.9
NOMINAL FLUX (lm)	1844.5	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	7.5, 44.2
LAMPS INSIDE	1	η up (%)	13.9	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	η down (%)	86.1	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: East
 Test Date: 2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 35%
 Test Distance: 2.490m [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	441.6	441.0	442.1	442.2	443.4	446.9	448.6	445.4	0- 10	42.70	42.70	2.31,2.31
20	416.5	418.6	424.2	421.3	419.9	429.8	436.1	427.1	10- 20	123.0	165.7	8.98,8.98
30	376.8	384.7	397.6	388.3	381.2	400.6	413.8	396.2	20- 30	189.0	354.7	19.2,19.2
40	323.9	342.0	363.4	346.1	329.4	360.5	383.5	355.5	30- 40	233.3	588.0	31.9,31.9
50	260.1	291.6	323.2	295.9	265.3	312.5	346.3	306.9	40- 50	251.8	839.8	45.5,45.5
60	186.1	237.1	279.2	241.4	191.2	259.0	303.3	253.6	50- 60	243.9	1084	58.8,58.8
70	107.3	183.5	235.0	187.7	110.4	204.5	258.8	199.5	60- 70	213.3	1297	70.3,70.3
80	34.39	135.0	192.0	138.7	36.66	154.5	215.1	150.5	70- 80	168.4	1466	79.5,79.5
90	0.1578	94.50	150.9	97.26	0.1103	111.2	172.6	108.0	80- 90	122.0	1588	86.1,86.1
100	1.437	64.25	115.5	66.52	1.227	77.86	133.4	75.28	90-100	86.29	1674	90.7,90.7
110	4.818	43.29	84.21	44.96	4.625	53.85	99.30	52.25	100-110	59.83	1734	94,94
120	8.532	29.75	59.91	30.98	8.404	37.57	71.63	36.63	110-120	40.65	1774	96.2,96.2
130	12.09	21.15	40.93	22.05	11.89	26.12	49.79	25.88	120-130	26.98	1801	97.7,97.7
140	15.29	17.44	27.35	17.80	15.05	18.95	32.95	19.34	130-140	17.60	1819	98.6,98.6
150	17.33	16.20	20.28	16.36	17.07	15.14	21.75	16.74	140-150	11.65	1831	99.2,99.2
160	17.38	17.43	17.49	16.82	17.18	14.97	16.36	15.97	150-160	7.854	1838	99.7,99.7
170	14.26	18.38	19.02	15.92	13.33	13.64	16.50	17.33	160-170	4.733	1843	99.9,99.9
180	14.45	13.47	5.554	12.31	14.23	13.39	7.717	9.792	170-180	1.388	1845	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 15.0 %									UNIT:lm		

Conical surface Flux(90deg): 713.29 lm

%lum = 38.7%
%lamp = 38.7%

Conical surface Flux(120deg): 1083.8 lm

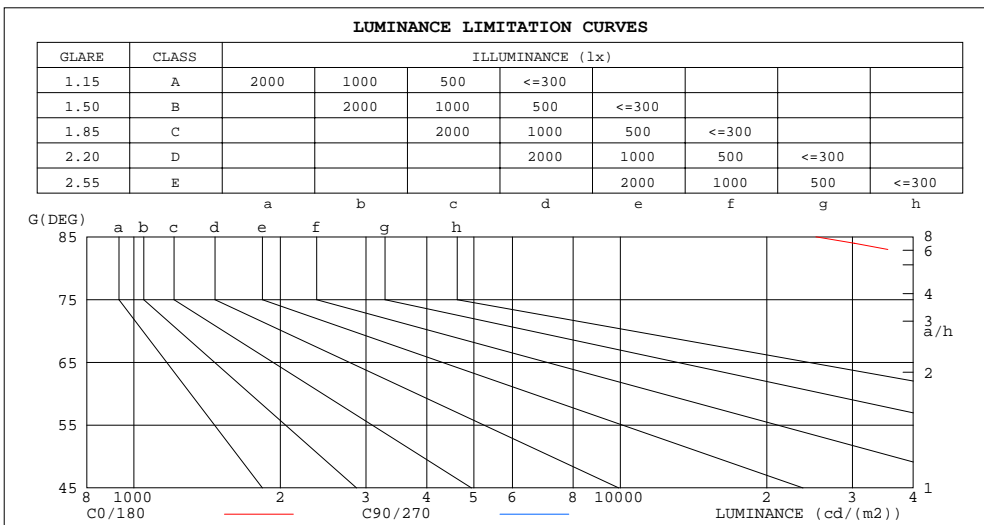
%lum = 58.8%
%lamp = 58.8%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:East
Test Date:2020-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	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	25250	480431
80	48555	270984
75	65253	201803
70	76905	168393
65	85163	149121
60	91259	136876
55	95752	128734
50	99189	123232
45	101711	119177

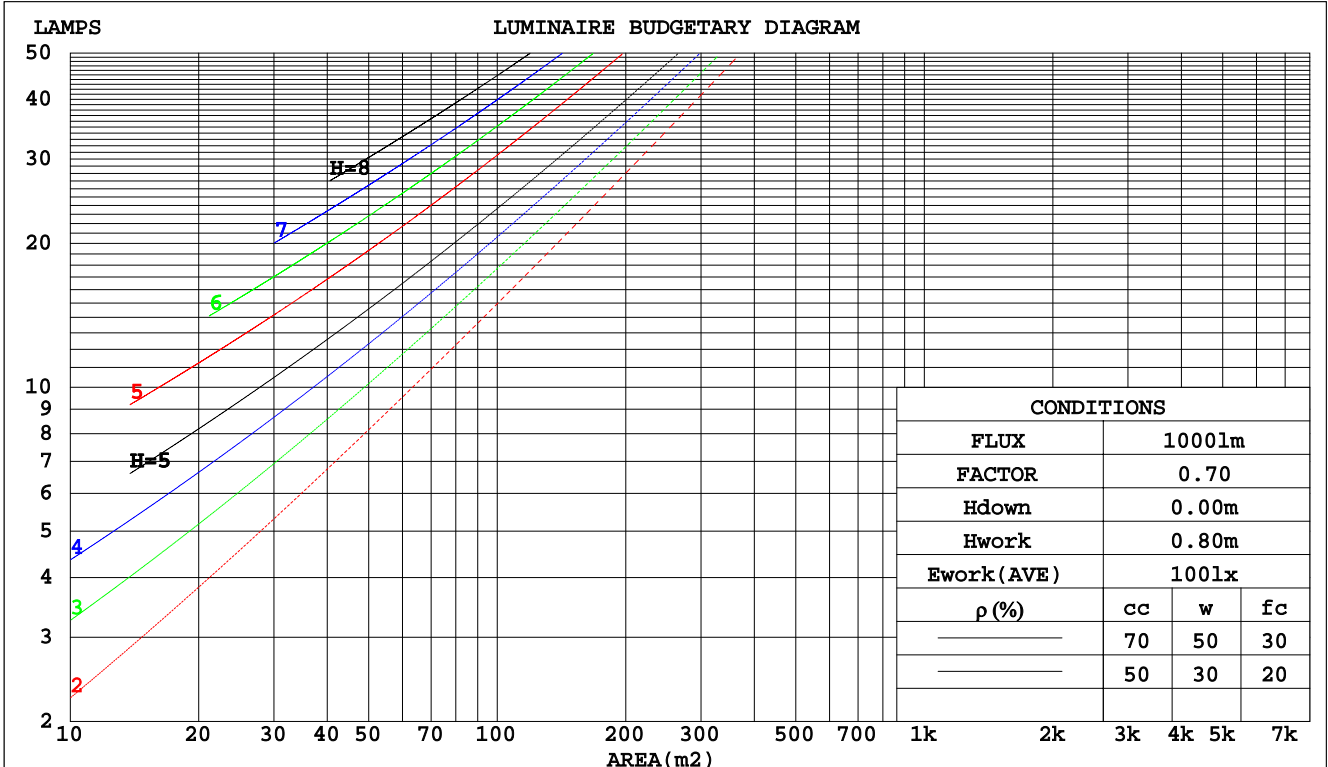
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: East
 Test Date: 2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 35%
 Test Distance: 2.490m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	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	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86
1.0	.97	.92	.87	.94	.89	.85	.87	.83	.79	.80	.77	.74	.74	.72	.70	.67
2.0	.83	.76	.69	.80	.73	.67	.74	.69	.64	.69	.64	.60	.64	.60	.57	.54
3.0	.73	.64	.57	.70	.62	.55	.65	.58	.52	.60	.54	.50	.56	.51	.47	.44
4.0	.64	.54	.47	.61	.53	.46	.57	.50	.44	.53	.47	.42	.49	.44	.40	.37
5.0	.57	.47	.40	.55	.46	.39	.51	.43	.38	.47	.41	.36	.44	.39	.34	.32
6.0	.51	.41	.35	.49	.40	.34	.46	.38	.33	.43	.36	.31	.40	.34	.30	.28
7.0	.46	.37	.30	.44	.36	.30	.42	.34	.29	.39	.32	.28	.36	.31	.26	.24
8.0	.42	.33	.27	.40	.32	.26	.38	.31	.25	.36	.29	.25	.33	.28	.24	.21
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.26	.22	.31	.25	.21	.19
10.0	.35	.27	.22	.34	.26	.21	.32	.25	.21	.30	.24	.20	.29	.23	.19	.17



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.490m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	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	.373	.212	.067	.362	.206	.066	.340	.195	.062	.321	.185	.059	.303	.175	.057	
2.0	.327	.179	.055	.317	.174	.054	.297	.165	.051	.279	.157	.049	.263	.149	.047	
3.0	.292	.156	.047	.283	.152	.046	.266	.144	.044	.249	.137	.042	.234	.130	.040	
4.0	.264	.137	.040	.256	.134	.040	.240	.127	.038	.225	.121	.036	.212	.115	.035	
5.0	.241	.123	.036	.233	.120	.035	.219	.114	.034	.206	.108	.032	.193	.103	.031	
6.0	.221	.111	.032	.214	.108	.031	.201	.103	.030	.189	.098	.029	.178	.094	.028	
7.0	.204	.101	.029	.198	.099	.028	.186	.094	.027	.175	.090	.026	.165	.085	.025	
8.0	.189	.093	.026	.184	.090	.026	.173	.086	.025	.163	.082	.024	.153	.079	.023	
9.0	.177	.085	.024	.172	.084	.023	.162	.080	.023	.152	.076	.022	.143	.073	.021	
10.0	.166	.079	.022	.161	.078	.022	.152	.074	.021	.143	.071	.020	.135	.068	.019	

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	.297	.297	.297	.254	.254	.254	.173	.173	.173	.099	.099	.099	.032	.032	.032	
1.0	.292	.263	.236	.250	.225	.203	.171	.155	.141	.098	.090	.082	.031	.029	.026	
2.0	.285	.239	.201	.244	.206	.174	.167	.143	.121	.096	.083	.071	.031	.027	.023	
3.0	.277	.223	.179	.238	.192	.156	.163	.134	.109	.094	.078	.064	.030	.025	.021	
4.0	.269	.210	.165	.231	.182	.143	.159	.127	.101	.092	.074	.060	.030	.024	.020	
5.0	.262	.200	.155	.225	.173	.135	.155	.121	.095	.090	.071	.056	.029	.023	.019	
6.0	.254	.192	.148	.219	.166	.129	.151	.116	.091	.087	.069	.054	.028	.022	.018	
7.0	.247	.185	.142	.213	.161	.124	.147	.113	.088	.085	.066	.052	.028	.022	.017	
8.0	.241	.180	.138	.207	.156	.121	.143	.110	.085	.083	.065	.051	.027	.021	.017	
9.0	.234	.175	.135	.202	.152	.118	.140	.107	.084	.081	.063	.050	.026	.021	.017	
10.0	.228	.171	.133	.197	.148	.116	.137	.104	.082	.080	.062	.049	.026	.020	.016	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.490m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm										
NAME: ASD Lighting corp					TYPE:N/A			WEIGHT:N/A		
SPEC.: ASD-LVF21-24D25CC-BZ					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	27.4	28.8	27.9	29.3	29.8	29.1	30.5	29.5	30.9	31.4
3H	28.8	30.1	29.3	30.6	31.1	31.5	32.9	32.0	33.3	33.9
4H	29.3	30.6	29.8	31.1	31.6	32.9	34.1	33.4	34.6	35.2
6H	29.6	30.8	30.2	31.3	31.9	34.4	35.6	34.9	36.1	36.7
8H	29.7	30.8	30.2	31.4	31.9	35.2	36.4	35.8	36.9	37.5
12H	29.7	30.8	30.3	31.3	31.9	36.2	37.3	36.7	37.8	38.4
4H 2H	28.4	29.6	28.9	30.1	30.7	29.6	30.9	30.1	31.3	31.9
3H	30.1	31.1	30.6	31.7	32.3	32.3	33.4	32.9	34.0	34.6
4H	30.7	31.7	31.3	32.3	32.9	33.9	34.9	34.5	35.4	36.1
6H	31.2	32.1	31.8	32.7	33.4	35.6	36.5	36.2	37.1	37.7
8H	31.4	32.2	32.0	32.8	33.5	36.6	37.4	37.2	38.0	38.7
12H	31.4	32.2	32.1	32.8	33.5	37.7	38.4	38.3	39.0	39.7
8H 4H	31.6	32.5	32.3	33.1	33.8	34.2	35.0	34.8	35.6	36.3
6H	32.5	33.2	33.1	33.8	34.5	36.2	36.9	36.9	37.6	38.3
8H	32.8	33.4	33.5	34.1	34.8	37.4	38.0	38.0	38.7	39.4
12H	33.0	33.6	33.7	34.3	35.0	38.7	39.3	39.4	40.0	40.7
12H 4H	31.9	32.7	32.6	33.3	34.0	34.2	35.0	34.8	35.6	36.3
6H	33.0	33.6	33.7	34.3	35.0	36.3	36.9	37.0	37.6	38.3
8H	33.5	34.0	34.2	34.7	35.5	37.6	38.1	38.3	38.8	39.6
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 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1845 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.1)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.490m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

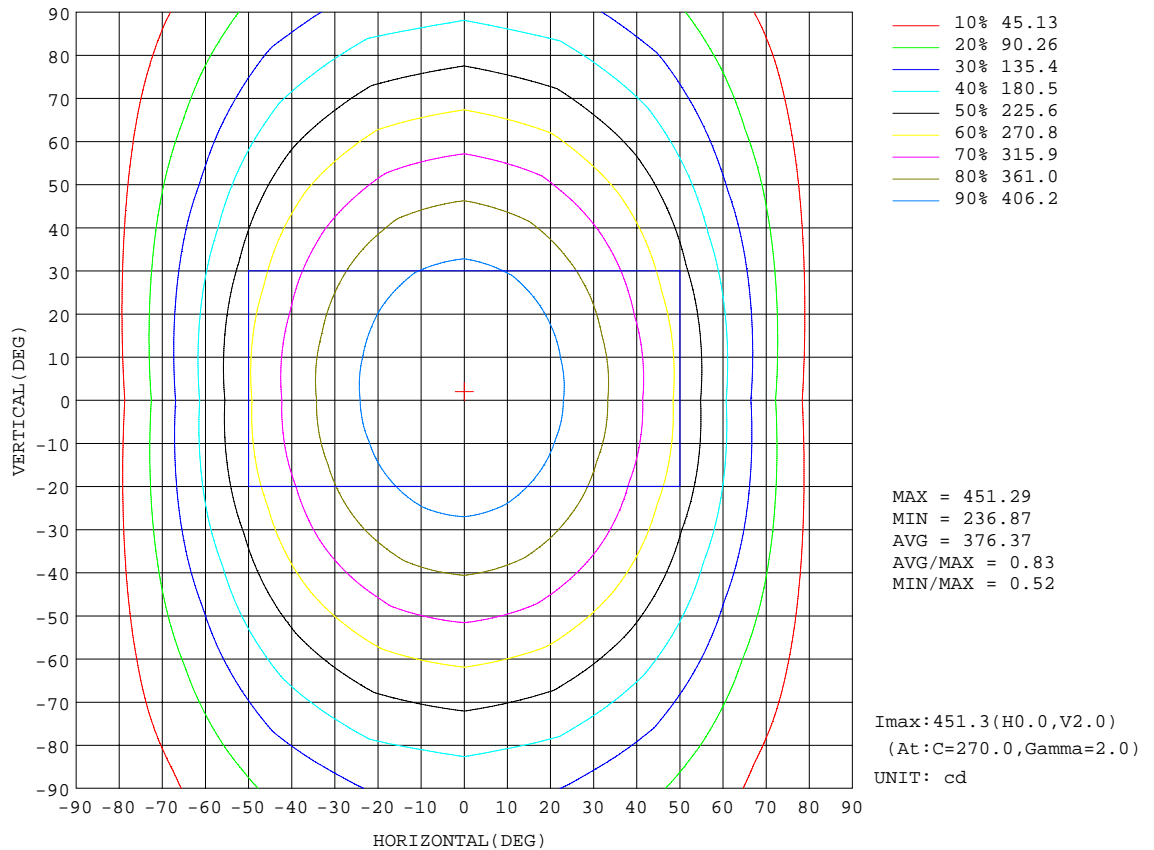
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	37	30	49	37	30	47	36	30	23
0.80	59	46	38	58	46	38	55	44	37	30
1.00	67	54	46	65	53	46	62	54	45	36
1.25	74	62	53	72	60	53	68	58	51	42
1.50	79	67	59	76	66	58	72	63	56	46
2.00	86	76	68	83	74	66	78	70	64	53
2.50	91	81	73	87	79	72	82	74	69	57
3.00	94	85	78	91	83	76	85	78	73	61
4.00	99	91	85	95	88	83	89	83	78	65
5.00	102	95	89	98	92	87	91	86	82	68
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:24.8DEG
 Operators:East
 Test Date:2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.490m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

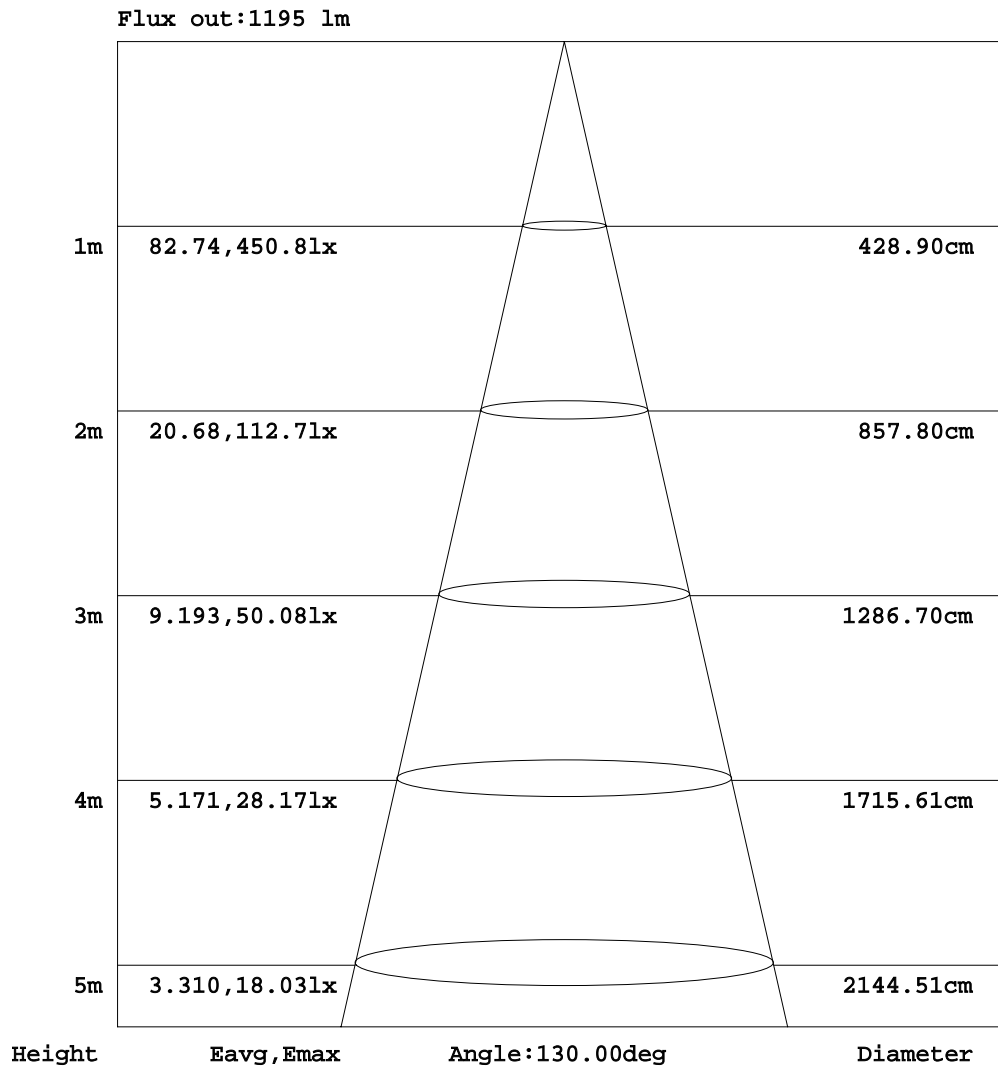


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: East
 Test Date: 2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 35%
 Test Distance: 2.490m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



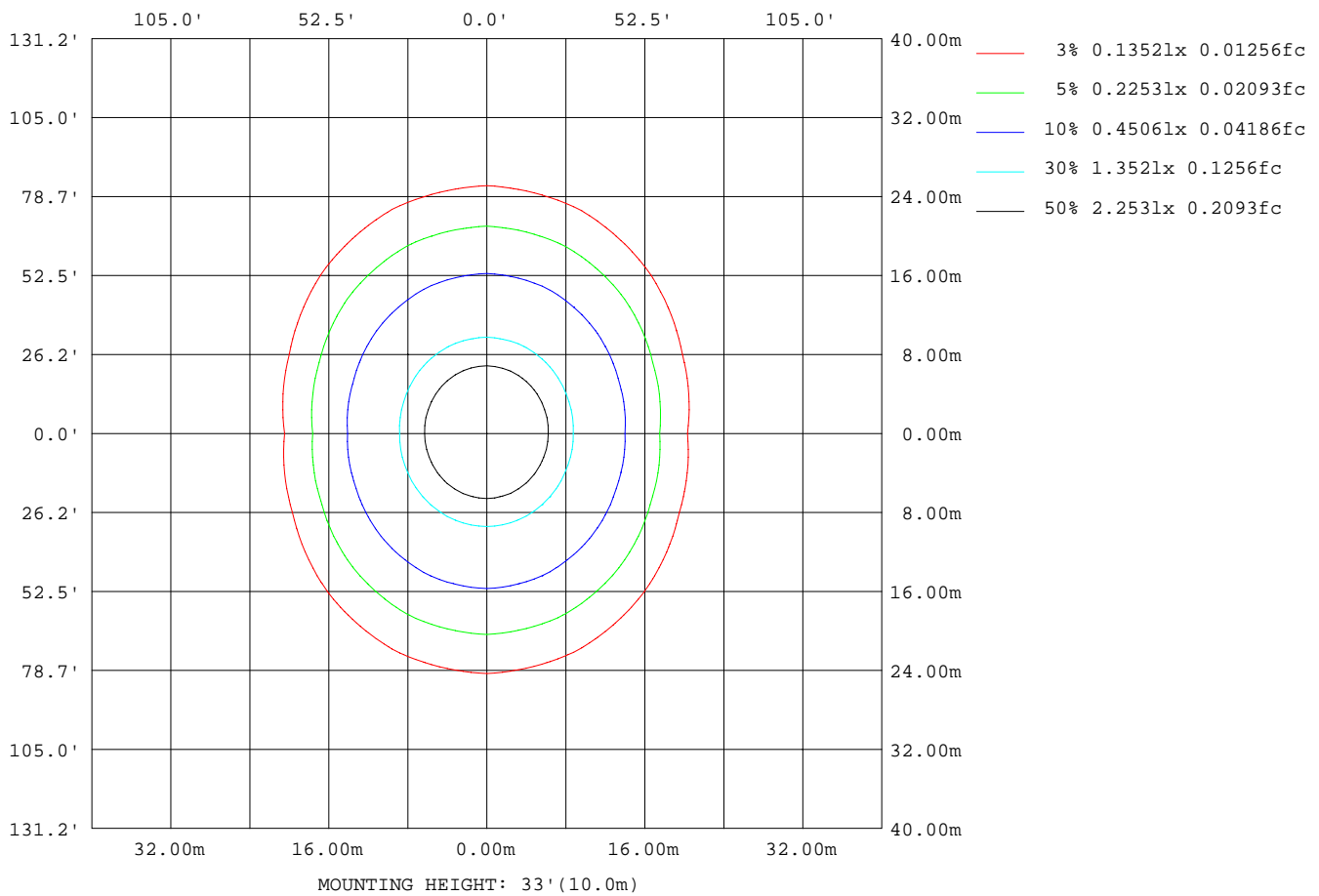
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.490m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	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:24.8DEG
 Operators:East
 Test Date:2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.490m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

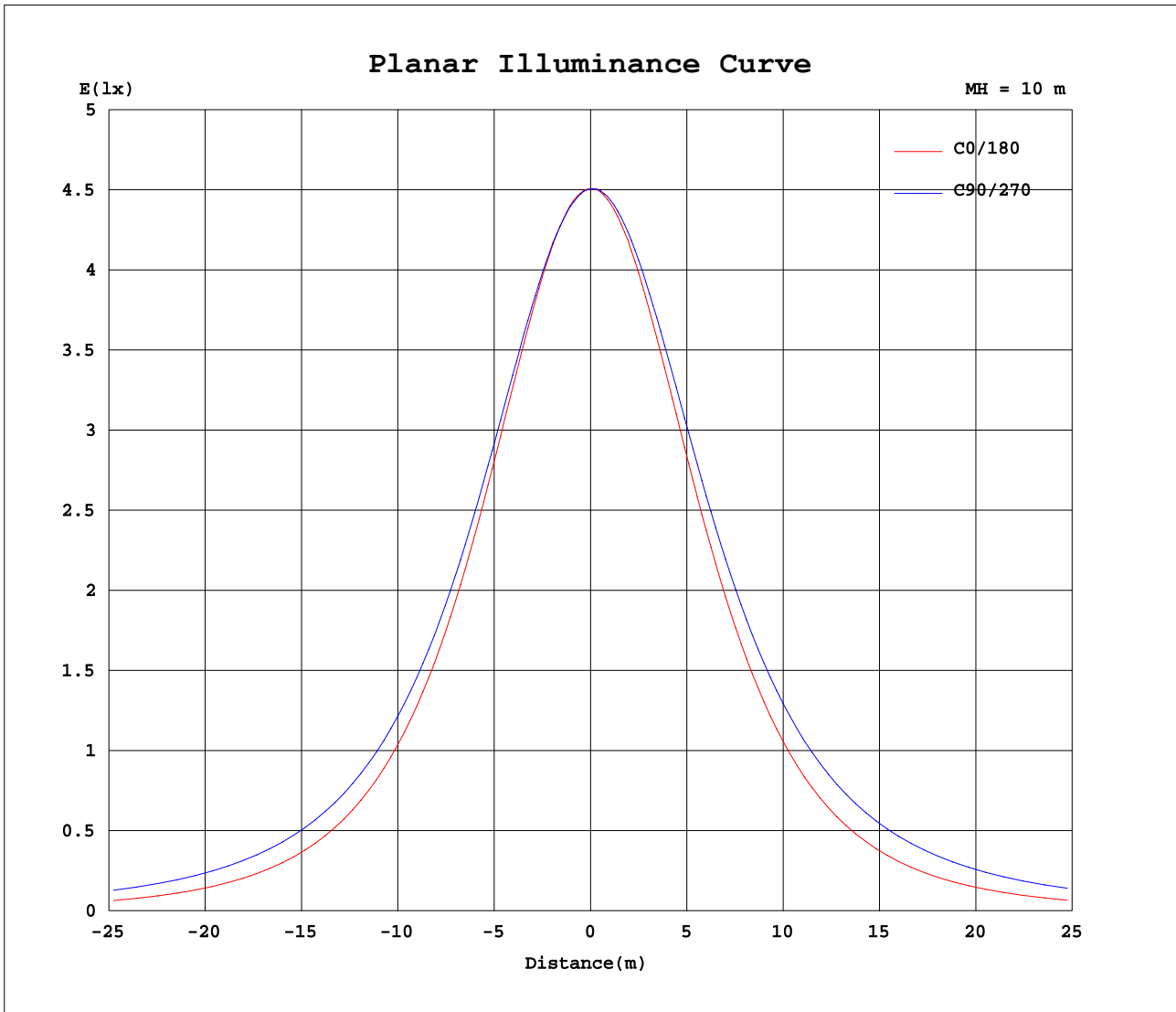
AvgL	cd/m2
L_0~180 (65) av	86461
L_0~180 (75) av	66461
L_0~180 (85) av	27626
L_90~270 (65) av	156082
L_90~270 (75) av	213027
L_90~270 (85) av	512540
L_45 (65) av	127915
L_45 (75) av	159461
L_45 (85) av	344257

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.490m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: East
 Test Date: 2020-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 35%
 Test Distance: 2.490m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2245A P:24.90W PF:0.9241 Lamp Flux:1844.5x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-24D25CC-BZ	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	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451			
5	448	448	447	447	448	448	448	448	449	450	450	451	451	450	450	449			
10	442	441	441	442	442	442	442	443	443	445	447	448	449	448	445	443			
15	431	430	431	434	434	435	434	433	434	436	440	443	444	442	438	434			
20	417	416	419	422	424	424	421	419	420	424	430	435	436	433	427	420			
25	398	398	403	409	412	410	406	402	402	408	417	424	426	422	413	404			
30	377	377	385	393	398	395	388	382	381	388	401	411	414	408	396	383			
35	352	354	364	376	381	378	368	359	357	366	382	395	400	393	377	361			
40	324	327	342	357	363	359	346	333	329	341	361	378	384	375	355	335			
45	293	299	317	336	344	338	322	305	299	313	337	358	366	355	332	307			
50	260	268	292	313	323	316	296	274	265	283	313	337	346	334	307	276			
55	224	236	264	290	301	292	269	241	229	250	286	315	325	312	281	244			
60	186	202	237	267	279	269	241	208	191	217	259	292	303	288	254	211			
65	147	169	210	243	257	246	214	174	151	183	232	268	281	265	226	177			
70	107	136	184	220	235	223	188	141	110	149	204	245	259	242	199	144			
75	68.9	105	158	198	213	200	162	109	71.5	117	179	222	237	219	174	112			
80	34.4	77.6	135	176	192	178	139	81.5	36.7	88.2	155	200	215	197	151	84.8			
85	8.98	55.2	113	155	171	157	117	58.5	10.7	64.6	132	178	194	175	128	62.0			
90	0.16	37.9	94.5	135	151	137	97.3	40.4	0.11	46.3	111	157	173	155	108	44.4			
95	0.35	26.8	78.6	117	132	119	80.8	28.8	0.22	33.4	93.2	138	153	135	90.4	31.7			
100	1.44	19.5	64.2	101	115	103	66.5	21.0	1.23	24.7	77.9	119	133	117	75.3	23.6			
105	3.02	15.1	52.5	85.5	98.7	86.9	54.4	16.3	2.81	19.3	64.8	102	115	100	62.7	18.5			
110	4.82	12.5	43.3	72.5	84.2	73.7	45.0	13.5	4.63	15.9	53.8	87.1	99.3	85.8	52.3	15.4			
115	6.67	11.2	35.8	61.0	71.4	62.0	37.3	12.0	6.57	13.7	45.0	73.9	84.9	72.9	43.7	13.4			
120	8.53	10.9	29.8	50.7	59.9	51.6	31.0	11.4	8.40	12.5	37.6	62.2	71.6	61.3	36.6	12.2			
125	10.3	11.1	24.9	42.2	49.6	42.9	26.0	11.4	10.2	12.0	31.4	52.0	60.1	51.4	30.8	11.6			
130	12.1	11.6	21.2	34.8	40.9	35.5	22.0	11.8	11.9	11.8	26.1	43.0	49.8	42.6	25.9	11.5			
135	13.7	12.3	18.8	28.6	33.4	29.3	19.3	12.4	13.5	11.9	21.9	35.2	40.8	35.1	22.0	11.7			
140	15.3	13.4	17.4	23.9	27.4	24.4	17.8	13.1	15.0	12.4	18.9	28.3	32.9	28.8	19.3	12.1			
145	16.6	14.7	16.6	20.9	23.0	21.2	16.9	14.0	16.4	13.1	16.7	23.0	26.5	24.1	17.7	13.1			
150	17.3	15.9	16.2	18.9	20.3	19.1	16.4	14.9	17.1	13.8	15.1	19.2	21.7	20.6	16.7	14.2			
155	17.7	16.8	16.6	17.5	18.3	17.6	16.5	15.7	17.4	16.3	15.2	16.6	18.5	18.2	16.1	15.3			
160	17.4	17.6	17.4	17.3	17.5	17.3	16.8	16.4	17.2	16.8	15.0	15.9	16.4	16.5	16.0	16.3			
165	15.9	18.3	18.4	18.0	17.8	17.8	17.1	16.2	15.4	15.6	15.7	16.7	16.5	16.5	16.7	16.8			
170	14.3	18.5	18.4	18.8	19.0	16.7	15.9	14.4	13.3	13.4	13.6	13.6	16.5	17.6	17.3	15.9			
175	12.8	13.4	16.6	16.8	15.3	15.2	12.5	12.4	11.7	11.7	11.6	11.3	13.2	14.6	15.0	14.3			
180	14.4	13.6	13.5	7.90	5.55	11.0	12.3	13.8	14.2	14.2	13.4	12.4	7.72	7.29	9.79	12.6			

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 C Interval: 22.5DEG
 Test Speed: HIGH
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