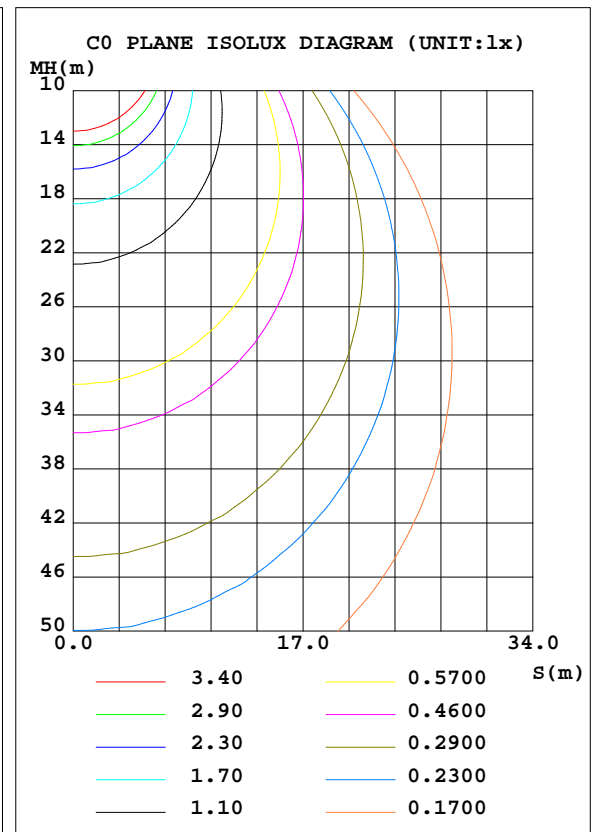
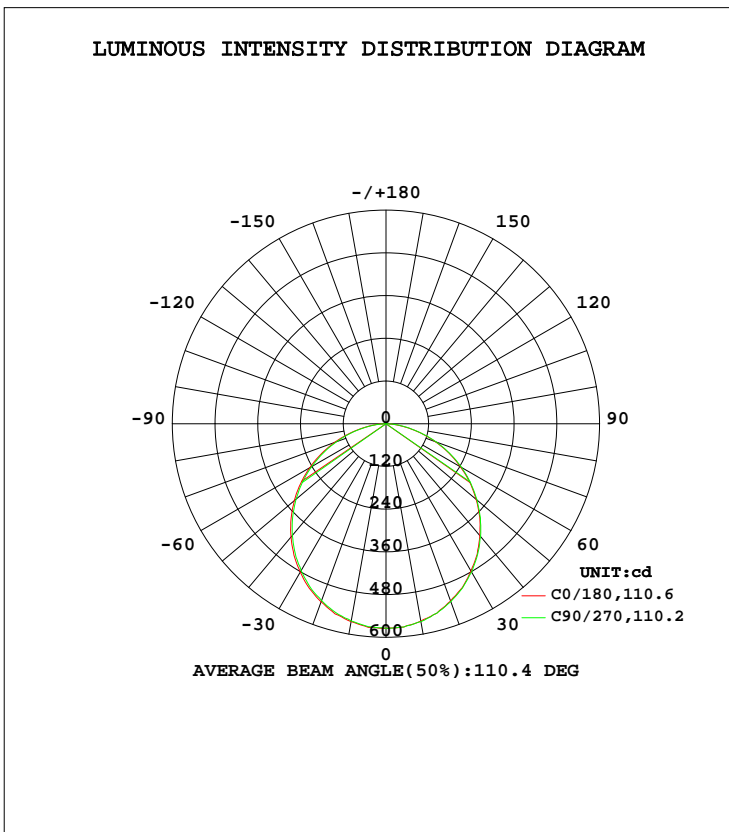


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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: 79.4 lm/W			
MODEL ASD-MPR-9N18CC-MS-WH 4000K		Imax(cd)	576.2	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1430	η UP, DN(C0-180)	0.1,50.0
NOMINAL FLUX(lm)	1430	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.9
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 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	564.4	563.4	562.7	563.4	562.8	563.5	564.3	564.0	0- 10	54.29	54.29	3.39,3.39
20	532.6	530.3	529.0	530.7	530.0	531.2	532.0	531.7	10- 20	155.0	209.3	13.1,13.1
30	481.7	478.7	476.8	478.7	477.8	479.6	481.1	479.9	20- 30	233.6	442.9	27.6,27.6
40	415.3	411.2	409.5	411.4	409.9	412.0	413.5	412.4	30- 40	279.6	722.5	45.1,45.1
50	336.2	332.2	329.8	331.9	330.5	332.6	334.0	332.4	40- 50	287.9	1010	63.1,63.1
60	247.4	243.6	241.2	243.5	241.8	244.2	245.3	243.7	50- 60	258.1	1268	79.2,79.2
70	153.6	149.9	147.9	149.8	147.5	149.7	150.6	149.5	60- 70	194.7	1463	91.3,91.3
80	63.05	60.10	58.48	60.25	57.40	59.13	59.37	58.98	70- 80	109.1	1572	98.1,98.1
90	2.791	2.380	0.2334	2.396	0.0344	0.0458	0.0478	0.0376	80- 90	27.65	1600	99.9,99.9
100	0.1537	0.1565	0.1573	0.1572	0.0660	0.0640	0.0635	0.0638	90-100	0.1424	1600	99.9,99.9
110	0.1964	0.1989	0.1997	0.2001	0.1172	0.1166	0.1136	0.1145	100-110	0.1404	1600	99.9,99.9
120	0.2629	0.2654	0.2668	0.2669	0.1890	0.1858	0.1872	0.1853	110-120	0.1896	1600	99.9,99.9
130	0.3940	0.3969	0.3985	0.4003	0.2693	0.2708	0.2645	0.2651	120-130	0.2490	1601	99.9,99.9
140	0.6365	0.6457	0.6538	0.6583	0.3507	0.3482	0.3470	0.3470	130-140	0.3172	1601	99.9,99.9
150	0.9691	0.9776	0.9997	0.9919	0.4802	0.4368	0.4361	0.4364	140-150	0.3825	1601	100,100
160	1.209	1.224	1.221	1.225	0.5847	0.5643	0.5638	0.5647	150-160	0.3743	1602	100,100
170	1.134	1.130	1.127	1.134	0.6743	0.6656	0.6644	0.6647	160-170	0.2571	1602	100,100
180	0.9539	0.9394	0.9326	0.9364	0.9362	0.9391	0.9412	0.9344	170-180	0.0869	1602	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 867.83 lm

%lum = 54.2%

%lamp = 54.2%

Conical surface Flux(120deg): 1268.5 lm

%lum = 79.2%

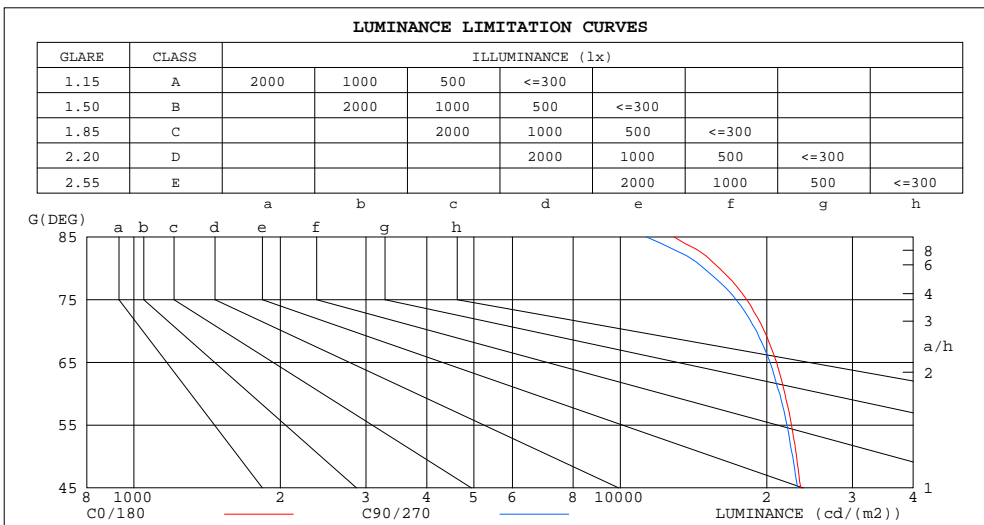
%lamp = 79.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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	12880	11300
80	15985	14844
75	18176	17299
70	19770	19057
65	20958	20307
60	21789	21267
55	22482	22017
50	23029	22617
45	23500	23129

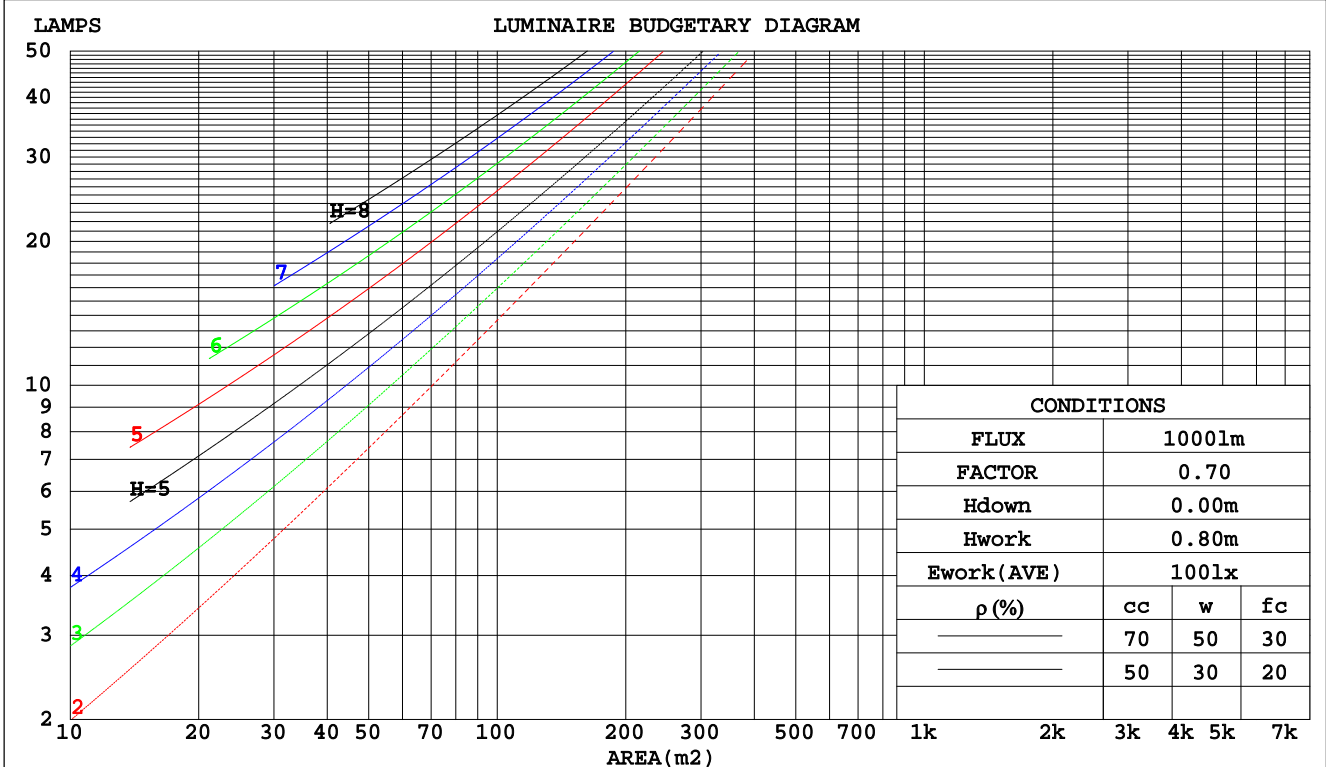
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Carl
 Test Date: 2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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
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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.46	.40	.51	.45	.40	.38
7.0	.51	.43	.37	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.38	.33	.46	.38	.32	.45	.38	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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	.306	.174	.055	.299	.171	.054	.286	.164	.052	.274	.158	.051	.262	.152	.049	
2.0	.289	.159	.049	.283	.156	.048	.271	.151	.047	.260	.146	.046	.250	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.115	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.213	.107	.031	.209	.105	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.161	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.147	.074	.021	

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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.181	.157	.136	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.165	.115	.076	.142	.099	.066	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.060	.135	.088	.052	.093	.061	.036	.054	.036	.022	.017	.012	.007	
5.0	.150	.092	.048	.129	.079	.042	.089	.055	.030	.051	.033	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.130	.071	.030	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.024	.102	.053	.021	.071	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm										
NAME: ASD-MPR-9N18CC-MS-WH 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	23.7	25.2	23.9	25.4	25.6	23.6	25.1	23.9	25.3	25.5
3H	25.2	26.6	25.5	26.8	27.1	25.0	26.4	25.3	26.7	26.9
4H	25.8	27.1	26.1	27.4	27.6	25.6	26.9	25.9	27.2	27.5
6H	26.2	27.4	26.5	27.7	28.0	26.0	27.2	26.3	27.5	27.8
8H	26.3	27.5	26.6	27.8	28.1	26.1	27.3	26.4	27.6	27.9
12H	26.4	27.5	26.7	27.8	28.1	26.1	27.3	26.5	27.6	27.9
4H 2H	24.3	25.6	24.6	25.8	26.1	24.2	25.5	24.5	25.8	26.0
3H	25.9	27.1	26.3	27.4	27.7	25.8	27.0	26.2	27.3	27.6
4H	26.7	27.7	27.0	28.0	28.4	26.5	27.6	26.9	27.9	28.2
6H	27.2	28.1	27.6	28.5	28.9	27.0	28.0	27.4	28.3	28.7
8H	27.4	28.2	27.8	28.6	29.0	27.2	28.0	27.6	28.4	28.8
12H	27.5	28.3	27.9	28.7	29.1	27.2	28.1	27.7	28.4	28.9
8H 4H	26.9	27.8	27.3	28.2	28.5	26.8	27.7	27.2	28.0	28.4
6H	27.6	28.3	28.0	28.7	29.1	27.4	28.1	27.9	28.5	29.0
8H	27.8	28.5	28.3	28.9	29.3	27.6	28.3	28.1	28.7	29.2
12H	28.0	28.5	28.5	29.0	29.5	27.8	28.3	28.3	28.8	29.3
12H 4H	26.9	27.7	27.3	28.1	28.5	26.8	27.6	27.2	28.0	28.4
6H	27.6	28.3	28.1	28.7	29.1	27.5	28.1	27.9	28.5	29.0
8H	27.9	28.5	28.4	28.9	29.4	27.7	28.3	28.2	28.7	29.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1602 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.6)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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

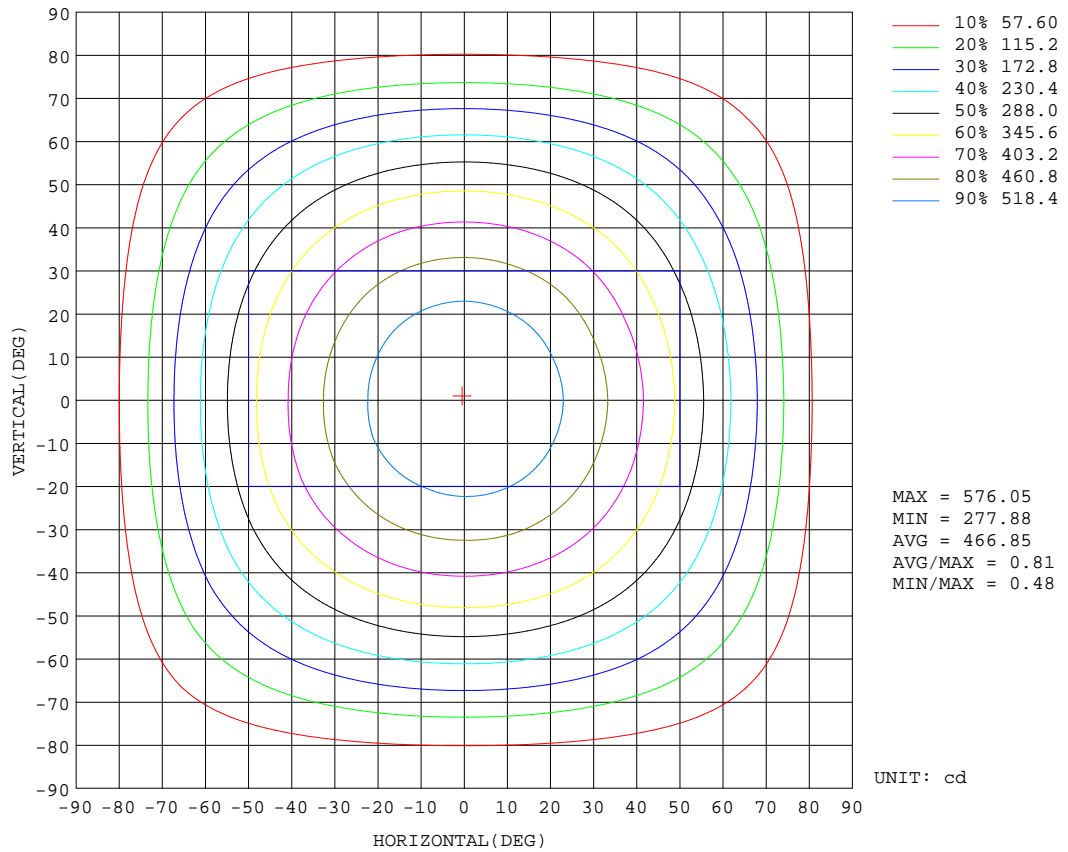
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	33
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	78	72	87	78	71	84	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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

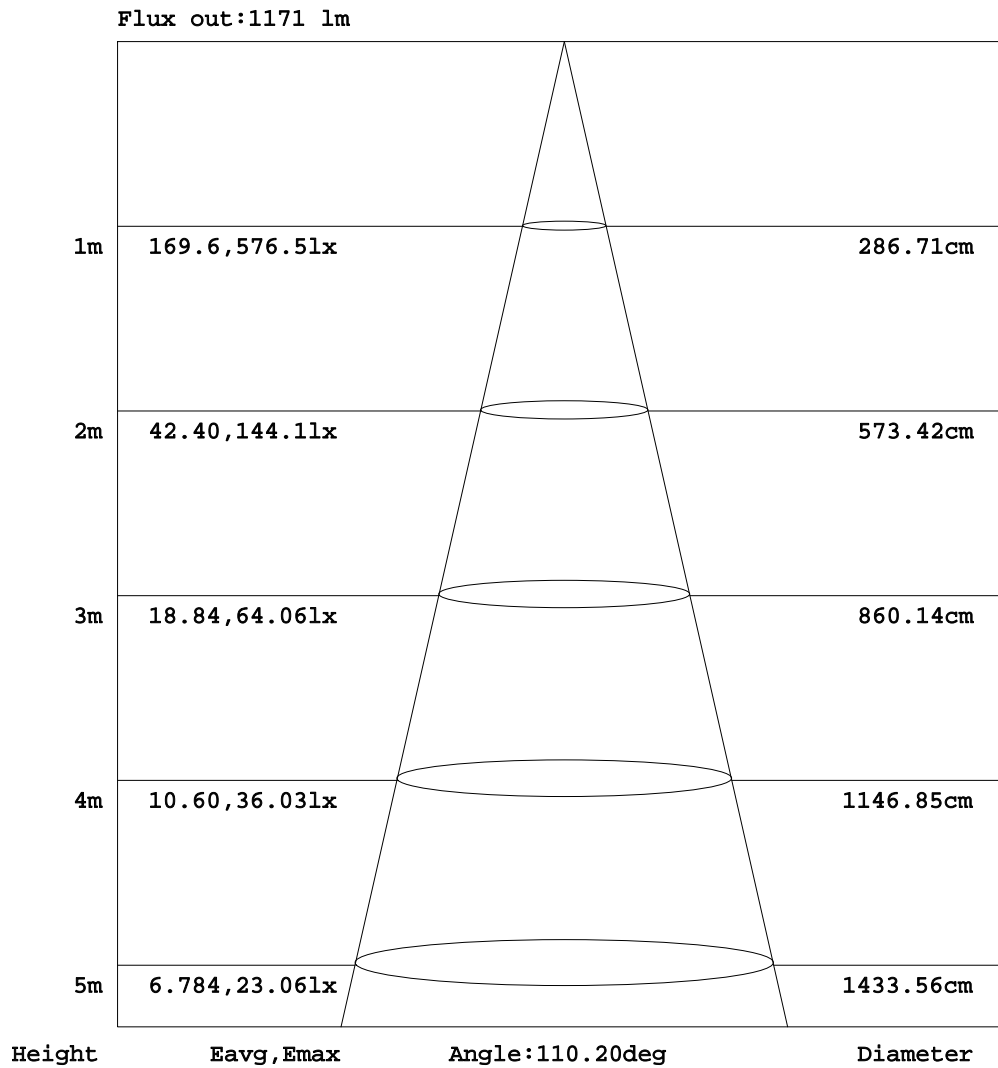


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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



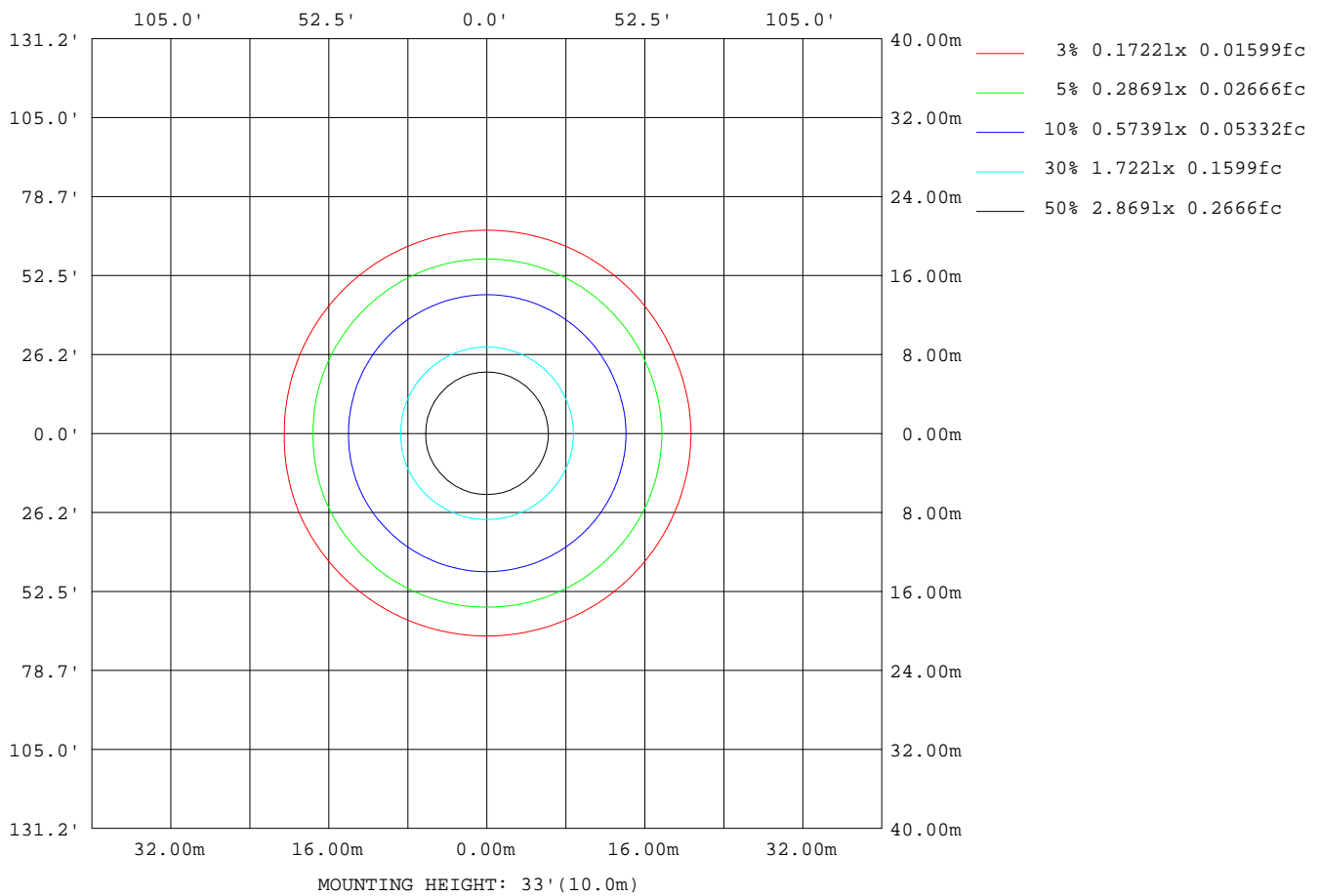
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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

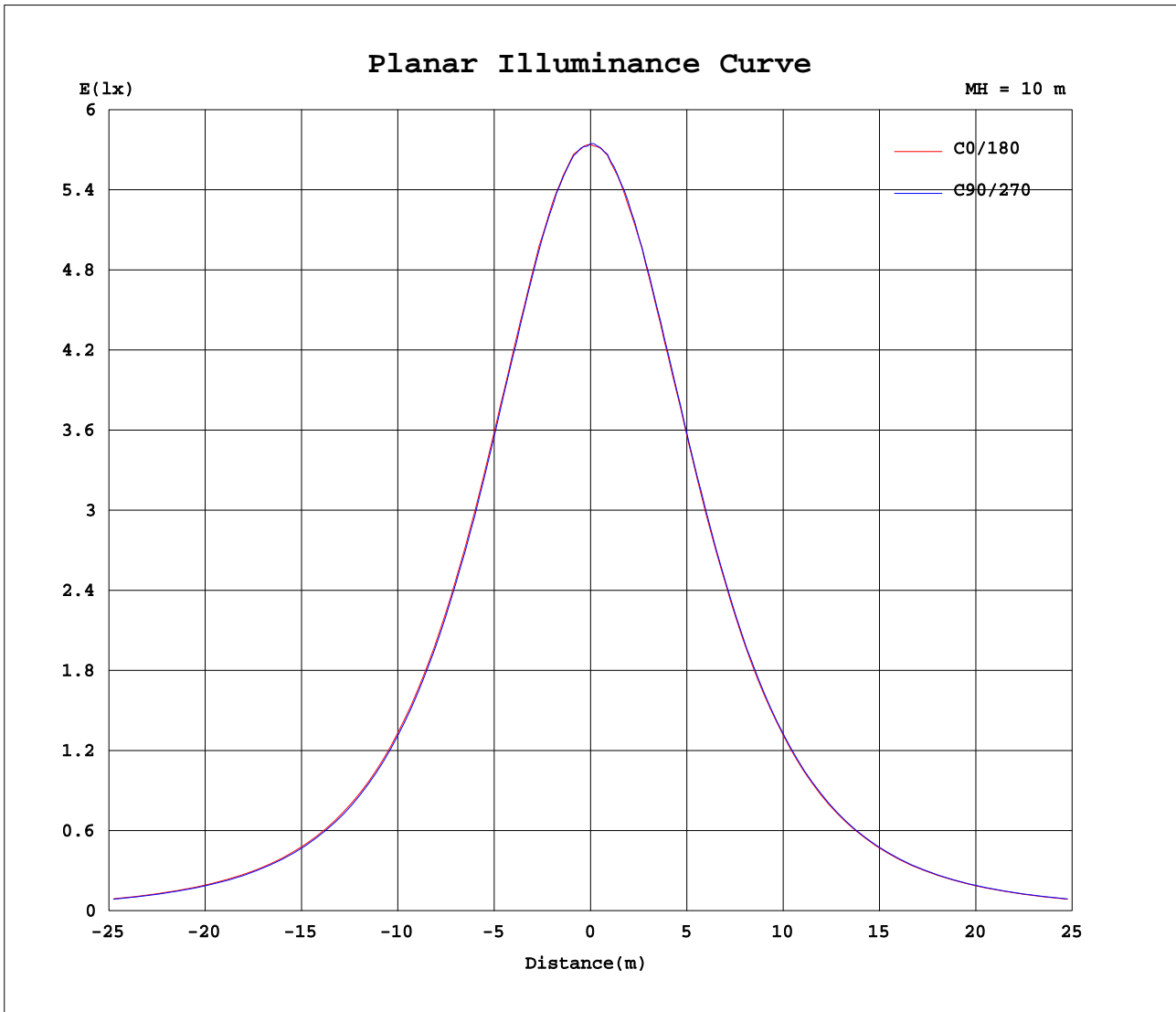
AvgL	cd/m2
L_0~180(65)av	20674
L_0~180(75)av	17663
L_0~180(85)av	11906
L_90~270(65)av	20464
L_90~270(75)av	17388
L_90~270(85)av	11501
L_45(65)av	20546
L_45(75)av	17512
L_45(85)av	11714

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Carl
 Test Date:2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.526m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Carl
 Test Date: 2022-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1628A P:18W PF:0.9244 Lamp Flux:1430x1 lm		
NAME: ASD-MPR-9N18CC-MS-WH 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	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575			
5	574	571	572	571	572	571	571	571	573	571	572	572	573	572	572	571			
10	564	563	563	563	563	563	563	564	563	562	563	564	564	564	564	563			
15	553	549	549	548	549	549	549	548	551	549	550	550	551	551	551	549			
20	533	531	530	530	529	530	531	532	530	530	531	532	532	532	532	530			
25	510	506	506	505	505	506	507	507	507	506	508	508	509	508	508	506			
30	482	480	479	478	477	478	479	480	478	478	480	480	481	480	480	479			
35	451	448	447	445	445	446	447	448	447	446	447	448	449	449	448	446			
40	415	413	411	410	409	410	411	413	410	411	412	413	414	413	412	411			
45	377	375	374	371	371	372	373	374	373	372	374	374	375	375	374	372			
50	336	334	332	331	330	331	332	334	330	332	333	333	334	333	332	331			
55	293	290	289	287	286	287	289	290	288	288	289	290	290	290	290	288			
60	247	245	244	242	241	242	244	246	242	243	244	245	245	245	244	242			
65	201	199	197	195	195	195	197	198	195	196	197	197	198	197	197	196			
70	154	152	150	148	148	148	150	152	147	149	150	150	151	150	149	148			
75	107	105	103	102	102	102	103	105	101	101	102	102	103	102	102	101			
80	63.0	61.6	60.1	58.9	58.5	59.1	60.2	61.7	57.4	58.4	59.1	59.2	59.4	59.0	59.0	58.1			
85	25.5	24.4	23.4	22.6	22.3	22.7	23.6	24.6	21.6	22.3	22.8	23.1	23.1	23.0	22.8	22.1			
90	2.79	2.56	2.38	0.23	0.23	0.23	2.40	2.64	0.03	0.04	0.05	0.06	0.05	0.05	0.04	0.03			
95	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.05			
100	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
105	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09			
110	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.22	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.12			
115	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.26	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15			
120	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.31	0.19	0.19	0.19	0.18	0.19	0.18	0.19	0.19			
125	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.38	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.23			
130	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.46	0.27	0.27	0.27	0.26	0.26	0.26	0.27	0.27			
135	0.49	0.50	0.50	0.51	0.50	0.51	0.51	0.56	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31			
140	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.70	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35			
145	0.82	0.83	0.82	0.83	0.84	0.84	0.84	0.87	0.42	0.40	0.40	0.40	0.39	0.40	0.40	0.40			
150	0.97	0.98	0.98	0.99	1.00	0.99	0.99	1.01	0.48	0.44	0.44	0.44	0.44	0.44	0.44	0.44			
155	1.11	1.13	1.13	1.13	1.13	1.13	1.13	1.14	0.55	0.50	0.51	0.50	0.51	0.51	0.51	0.51			
160	1.21	1.23	1.22	1.23	1.22	1.23	1.22	1.23	0.58	0.56	0.56	0.56	0.56	0.56	0.56	0.57			
165	1.20	1.22	1.21	1.21	1.20	1.21	1.21	1.20	0.63	0.62	0.61	0.61	0.61	0.61	0.61	0.61			
170	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.14	0.67	0.67	0.67	0.66	0.66	0.66	0.66	0.67			
175	1.08	1.06	1.06	1.07	1.06	1.06	1.06	1.08	0.78	0.78	0.78	0.78	0.78	0.78	0.77	0.78			
180	0.95	0.94	0.94	0.94	0.93	0.93	0.94	0.96	0.94	0.95	0.94	0.94	0.94	0.94	0.93	0.94			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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 Operators:Carl
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