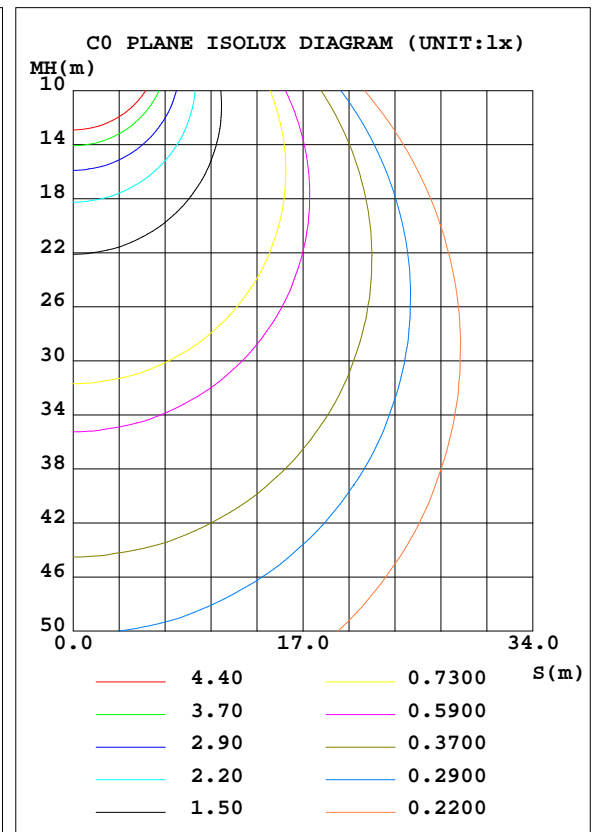
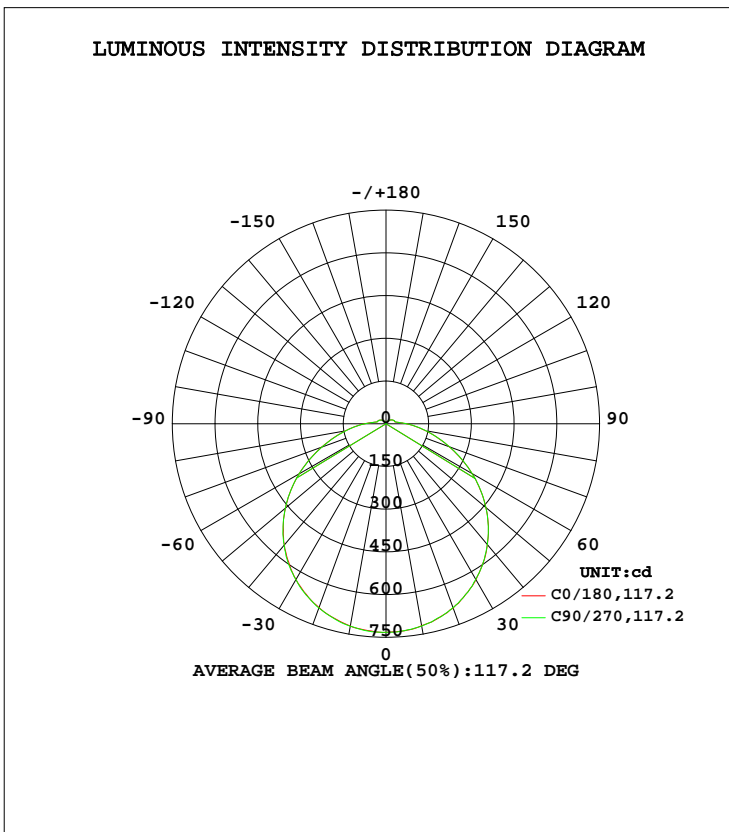


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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: 82.46 lm/W			
MODEL ASD-LFMDR-18D28CC-NK/BZ 5000K	5000kcd)	734.5	S/MH(C0/180)	1.28	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2190	η UP, DN(C0-180)	3.3,46.8
NOMINAL FLUX(lm)	2190	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.3,46.5
LAMPS INSIDE	1	η up(%)	6.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	93.3	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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	721.2	721.7	721.9	722.9	720.1	722.2	721.3	720.1	0- 10	69.40	69.40	2.8,2.8
20	687.2	688.0	688.5	690.6	688.7	688.3	687.9	687.3	10- 20	199.7	269.1	10.9,10.9
30	632.1	631.1	631.9	635.1	632.4	632.7	631.2	630.2	20- 30	305.5	574.7	23.2,23.2
40	555.2	554.7	556.4	559.3	553.8	555.3	553.7	551.7	30- 40	372.9	947.6	38.3,38.3
50	461.1	459.7	461.8	464.3	458.0	458.9	458.2	456.4	40- 50	393.0	1341	54.2,54.2
60	352.5	351.1	352.7	354.3	349.0	349.5	348.7	347.3	50- 60	363.2	1704	68.8,68.8
70	240.8	238.6	239.6	241.4	236.4	238.2	237.5	236.4	60- 70	291.1	1995	80.6,80.6
80	145.4	142.8	143.7	145.2	141.3	143.0	142.8	142.3	70- 80	199.4	2194	88.6,88.6
90	75.69	73.38	74.49	76.21	72.28	72.98	73.13	73.03	80- 90	115.7	2310	93.3,93.3
100	36.79	35.30	36.45	37.47	35.79	35.98	35.97	36.07	90-100	56.89	2367	95.6,95.6
110	30.47	29.19	30.07	30.76	30.64	31.66	32.01	31.22	100-110	33.95	2401	97,97
120	25.82	25.32	25.88	26.74	26.67	26.82	27.21	26.58	110-120	28.56	2429	98.1,98.1
130	20.31	19.25	20.62	20.95	20.89	20.97	21.24	20.38	120-130	21.20	2451	99,99
140	14.14	13.69	14.52	14.52	13.77	13.90	14.25	13.90	130-140	13.52	2464	99.5,99.5
150	8.894	8.047	8.439	8.861	8.181	7.483	8.434	7.980	140-150	6.974	2471	99.8,99.8
160	5.910	5.200	4.471	5.657	5.082	4.113	5.196	4.733	150-160	3.069	2474	99.9,99.9
170	2.546	3.659	2.590	3.927	3.121	3.131	2.912	2.889	160-170	1.179	2475	100,100
180	1.190	1.043	1.149	1.170	1.199	1.195	1.193	1.193	170-180	0.2376	2476	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1144.7 lm

%lum = 46.2%

%lamp = 46.2%

Conical surface Flux(120deg): 1703.8 lm

%lum = 68.8%

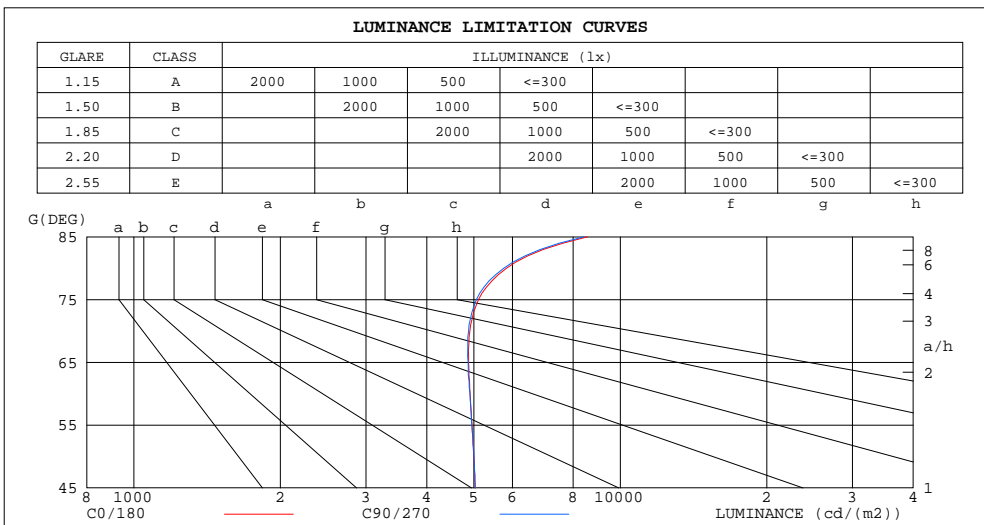
%lamp = 68.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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	8555	8422
80	5833	5760
75	5110	5061
70	4905	4876
65	4875	4863
60	4911	4911
55	4960	4952
50	4997	5001
45	5030	5033

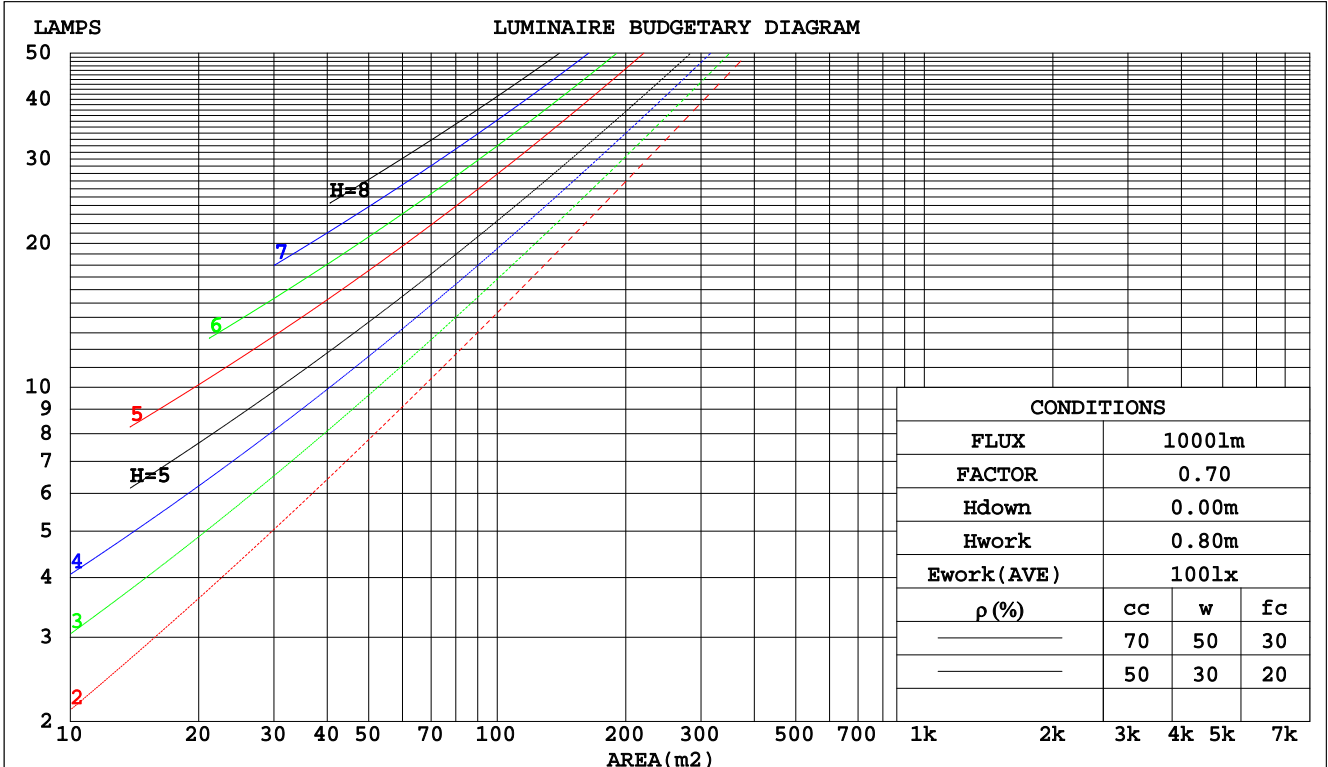
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.96	.96	.96	.93
1.0	1.00	.96	.91	.97	.93	.89	.92	.88	.85	.87	.84	.81	.82	.80	.78	.75
2.0	.87	.79	.73	.84	.78	.72	.80	.74	.69	.75	.71	.67	.71	.68	.64	.62
3.0	.76	.67	.60	.74	.66	.59	.70	.63	.57	.66	.60	.56	.63	.58	.54	.51
4.0	.67	.58	.51	.65	.57	.50	.62	.54	.49	.59	.52	.47	.56	.50	.46	.43
5.0	.60	.50	.44	.58	.49	.43	.55	.48	.42	.52	.46	.41	.50	.44	.40	.37
6.0	.54	.44	.38	.52	.44	.37	.50	.42	.37	.47	.41	.36	.45	.39	.35	.33
7.0	.48	.40	.33	.47	.39	.33	.45	.38	.32	.43	.36	.32	.41	.35	.31	.29
8.0	.44	.36	.30	.43	.35	.29	.41	.34	.29	.40	.33	.28	.38	.32	.28	.26
9.0	.40	.32	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.37	.29	.24	.35	.28	.23	.34	.27	.23	.32	.27	.23	.21



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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	.319	.183	.058	.303	.175	.056	.289	.167	.054	
2.0	.311	.170	.052	.303	.167	.051	.288	.160	.050	.273	.153	.048	.260	.147	.046	
3.0	.282	.150	.045	.275	.147	.044	.261	.141	.043	.248	.136	.042	.236	.131	.041	
4.0	.257	.134	.039	.251	.131	.039	.238	.126	.038	.227	.122	.037	.216	.118	.036	
5.0	.236	.120	.035	.230	.118	.034	.219	.114	.034	.209	.110	.033	.199	.106	.032	
6.0	.218	.109	.031	.212	.107	.031	.202	.104	.030	.193	.100	.029	.184	.097	.029	
7.0	.202	.100	.028	.197	.098	.028	.188	.095	.027	.179	.092	.027	.171	.089	.026	
8.0	.188	.092	.026	.184	.090	.026	.175	.088	.025	.168	.085	.024	.160	.082	.024	
9.0	.176	.085	.024	.172	.084	.023	.164	.081	.023	.157	.079	.023	.151	.076	.022	
10.0	.165	.079	.022	.161	.078	.022	.154	.076	.021	.148	.073	.021	.142	.071	.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	.241	.241	.241	.206	.206	.206	.141	.141	.141	.081	.081	.081	.026	.026	.026	
1.0	.234	.207	.183	.200	.178	.157	.137	.122	.109	.079	.071	.063	.025	.023	.020	
2.0	.227	.184	.147	.194	.158	.127	.133	.109	.089	.077	.064	.052	.025	.021	.017	
3.0	.219	.166	.125	.188	.144	.108	.129	.100	.076	.074	.058	.045	.024	.019	.015	
4.0	.211	.153	.109	.181	.133	.095	.125	.092	.067	.072	.054	.040	.023	.018	.013	
5.0	.203	.143	.099	.175	.124	.086	.120	.087	.061	.070	.051	.036	.022	.017	.012	
6.0	.196	.135	.091	.169	.117	.079	.116	.082	.056	.067	.048	.033	.022	.016	.011	
7.0	.189	.128	.086	.163	.111	.075	.112	.078	.053	.065	.046	.031	.021	.015	.010	
8.0	.183	.123	.081	.157	.106	.071	.109	.075	.050	.063	.044	.030	.020	.014	.010	
9.0	.176	.118	.078	.152	.102	.068	.105	.072	.048	.061	.042	.029	.020	.014	.010	
10.0	.171	.113	.075	.147	.098	.066	.102	.069	.047	.060	.041	.028	.019	.013	.009	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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	18.0	19.5	18.4	19.8	20.1	18.0	19.5	18.4	19.8	20.1
3H	19.7	21.1	20.1	21.4	21.8	19.7	21.1	20.1	21.4	21.8
4H	20.6	21.9	21.0	22.2	22.6	20.5	21.8	20.9	22.2	22.6
6H	21.4	22.6	21.8	23.0	23.4	21.3	22.5	21.8	22.9	23.4
8H	21.8	23.0	22.2	23.4	23.8	21.7	22.9	22.2	23.3	23.8
12H	22.2	23.4	22.7	23.8	24.2	22.2	23.3	22.6	23.7	24.2
4H 2H	18.6	19.9	19.0	20.3	20.7	18.6	19.9	19.0	20.3	20.7
3H	20.6	21.7	21.0	22.1	22.6	20.6	21.7	21.0	22.1	22.6
4H	21.5	22.6	22.0	23.0	23.5	21.5	22.6	22.0	23.0	23.5
6H	22.5	23.5	23.0	23.9	24.4	22.5	23.4	23.0	23.9	24.4
8H	23.0	23.9	23.6	24.4	24.9	23.0	23.9	23.5	24.3	24.9
12H	23.6	24.4	24.1	24.9	25.4	23.5	24.3	24.1	24.8	25.4
8H 4H	21.9	22.8	22.4	23.3	23.8	21.9	22.8	22.4	23.3	23.8
6H	23.1	23.9	23.7	24.4	25.0	23.1	23.8	23.6	24.4	24.9
8H	23.8	24.5	24.4	25.0	25.6	23.8	24.4	24.3	25.0	25.5
12H	24.6	25.1	25.1	25.7	26.3	24.5	25.1	25.1	25.6	26.2
12H 4H	22.0	22.8	22.5	23.3	23.8	22.0	22.8	22.5	23.3	23.8
6H	23.3	23.9	23.8	24.5	25.1	23.2	23.9	23.8	24.4	25.0
8H	24.0	24.6	24.6	25.2	25.8	24.0	24.6	24.6	25.1	25.7
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 2476 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.1)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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

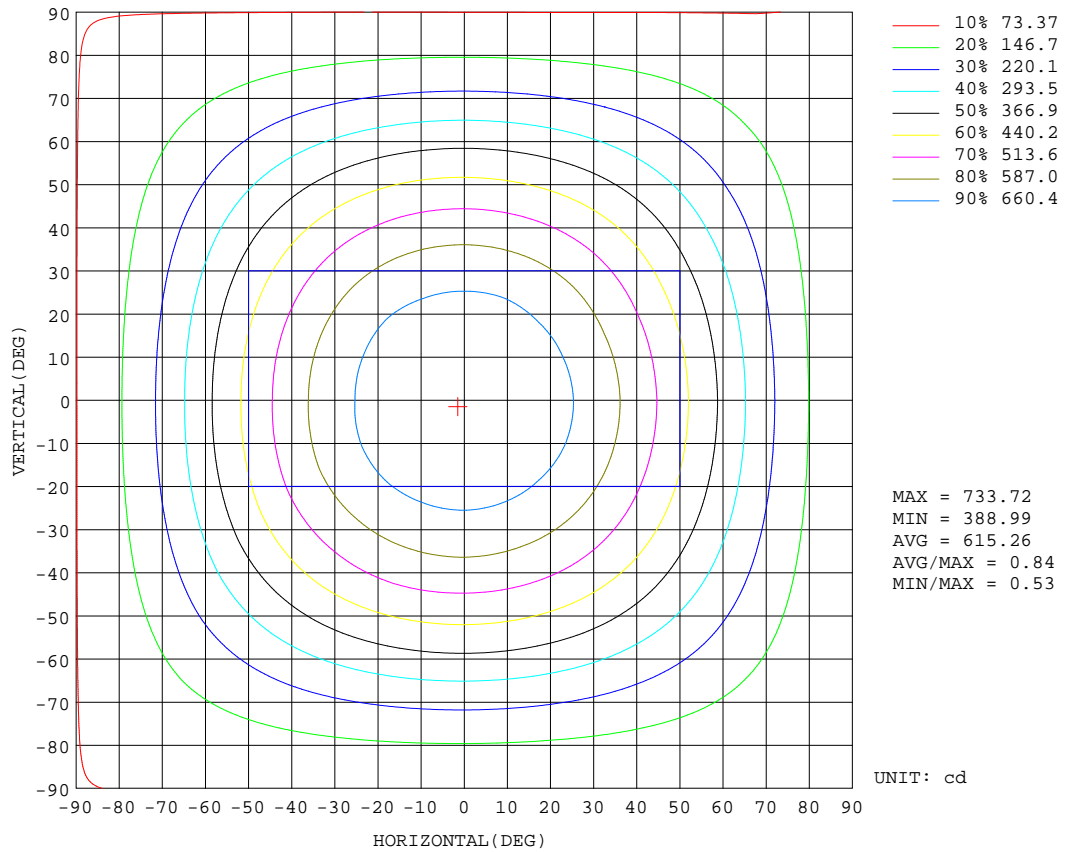
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	41	34	51	41	34	28
0.80	63	51	43	62	51	43	60	50	43	35
1.00	71	60	52	70	59	51	67	60	51	43
1.25	78	67	59	77	66	59	73	64	58	49
1.50	84	73	65	81	71	64	78	69	63	54
2.00	91	81	74	88	79	73	84	77	71	61
2.50	95	86	79	92	84	78	87	81	75	65
3.00	98	90	84	95	88	82	90	85	80	69
4.00	102	96	90	99	93	88	94	89	85	74
5.00	105	99	94	102	97	92	96	92	89	77
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:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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

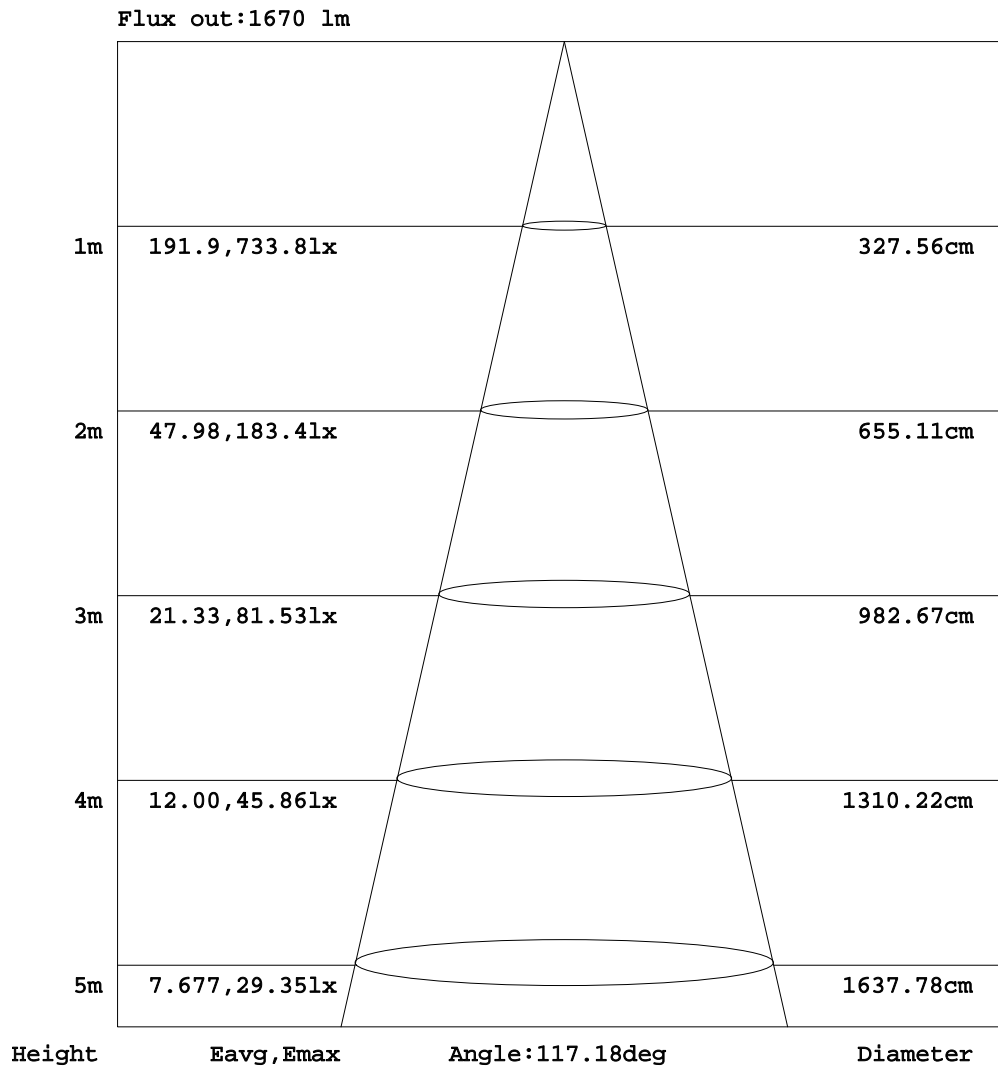


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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



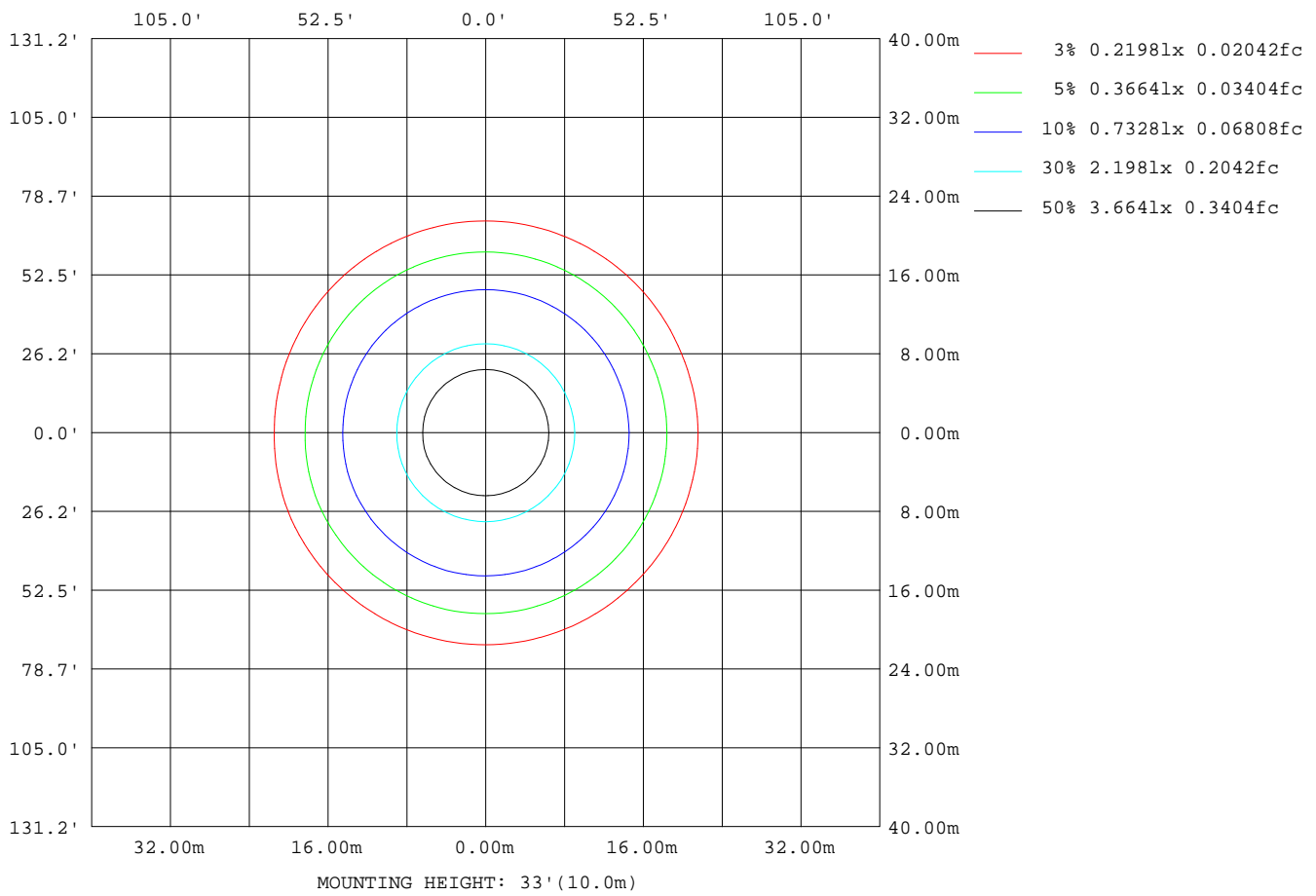
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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:2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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

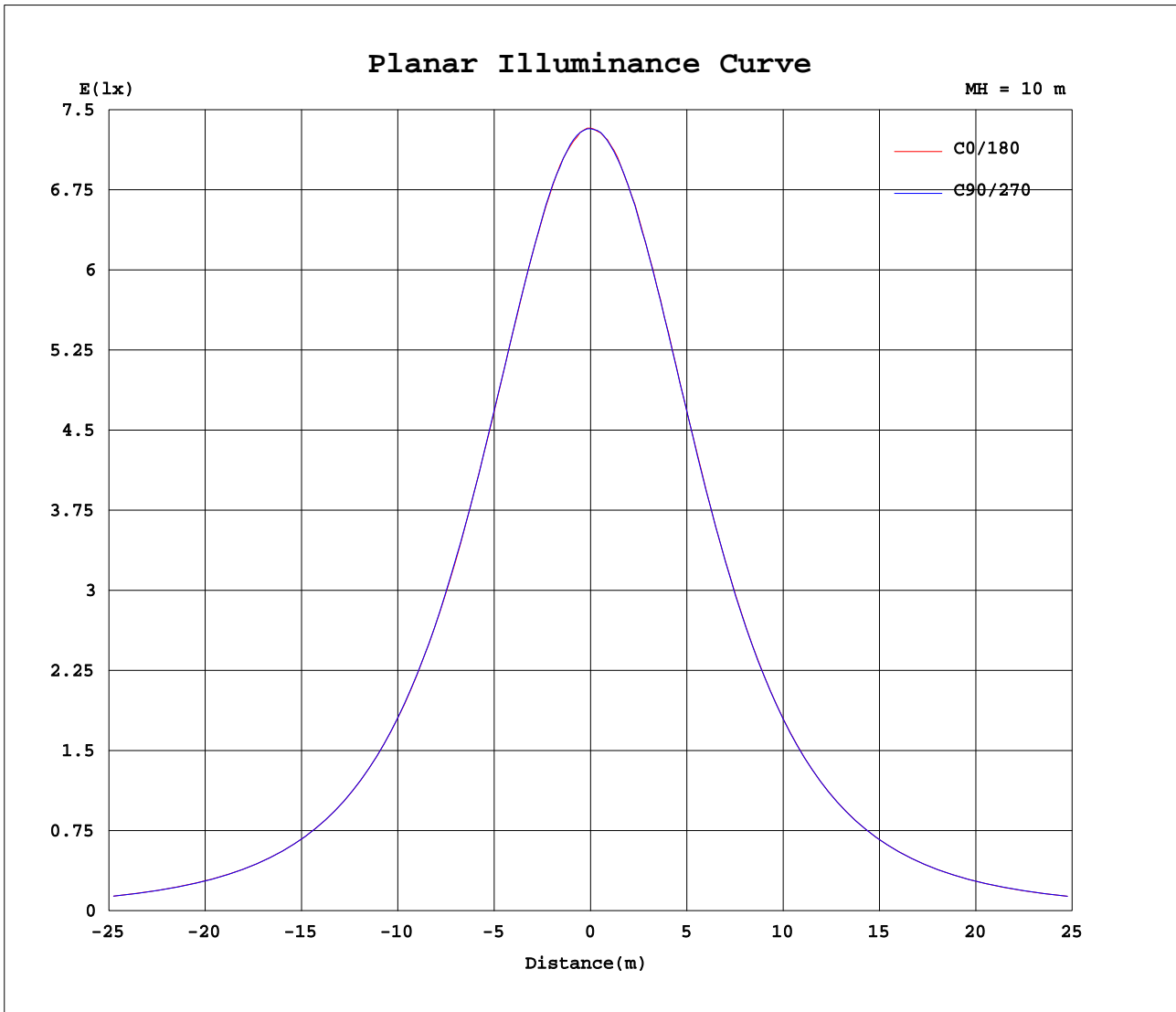
AvgL	cd/m2
L_0~180(65)av	4837
L_0~180(75)av	5051
L_0~180(85)av	8397
L_90~270(65)av	4844
L_90~270(75)av	5045
L_90~270(85)av	8379
L_45(65)av	4840
L_45(75)av	5056
L_45(85)av	8389

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.2DEG
Operators:Carl
Test Date:2022-05-18

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: 2022-05-18

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:120.0V I:0.2715A P:30.02W PF:0.9213 Lamp Flux:2190x1 lm		
NAME: ASD-LFMDR-18D28CC-NK/BZ 5000K	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	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732			
5	729	730	730	730	731	729	731	731	730	731	730	730	730	729	730	728			
10	721	721	722	721	722	721	723	722	720	721	722	721	721	720	720	720			
15	706	707	707	707	708	708	708	710	707	707	708	708	706	707	706	704			
20	687	688	688	687	688	688	691	690	689	690	688	688	688	686	687	684			
25	662	663	661	662	663	663	665	666	662	663	664	662	662	661	660	659			
30	632	632	631	632	632	632	635	635	632	633	633	633	631	630	630	628			
35	595	597	596	596	599	598	600	601	595	596	596	595	595	593	593	591			
40	555	556	555	556	556	557	559	560	554	555	555	555	554	552	552	551			
45	511	510	510	510	511	513	513	515	508	509	509	509	508	506	506	504			
50	461	461	460	461	462	462	464	465	458	459	459	458	458	457	456	455			
55	408	408	406	408	408	408	411	411	405	406	406	405	405	404	403	402			
60	352	352	351	351	353	353	354	356	349	349	349	350	349	348	347	346			
65	296	295	294	294	295	296	297	298	291	292	293	293	293	291	291	290			
70	241	240	239	239	240	240	241	242	236	237	238	238	237	237	236	235			
75	190	189	188	188	188	189	190	191	186	186	187	187	187	186	187	185			
80	145	144	143	143	144	144	145	146	141	142	143	143	143	142	142	141			
85	107	106	105	105	105	106	107	108	103	104	104	105	104	104	104	103			
90	75.7	74.3	73.4	73.4	74.5	75.5	76.2	76.3	72.3	72.6	73.0	73.4	73.1	72.8	73.0	72.5			
95	51.6	50.5	49.6	49.9	50.9	51.9	52.2	52.0	49.4	49.9	50.1	50.2	50.1	49.7	50.1	49.6			
100	36.8	35.7	35.3	35.9	36.5	37.3	37.5	37.1	35.8	36.0	36.0	36.4	36.0	35.9	36.1	35.4			
105	31.0	30.3	30.0	30.3	30.7	31.2	31.3	31.2	31.4	32.1	32.6	33.0	32.5	32.2	32.1	31.2			
110	30.5	29.7	29.2	29.5	30.1	30.5	30.8	30.5	30.6	31.1	31.7	32.1	32.0	31.5	31.2	30.5			
115	28.5	28.0	27.7	27.9	28.5	29.0	29.3	29.1	29.1	29.2	29.3	29.8	29.6	29.1	29.2	28.4			
120	25.8	25.0	25.3	25.5	25.9	26.3	26.7	26.6	26.7	26.9	26.8	27.3	27.2	26.9	26.6	26.0			
125	23.1	22.4	22.4	23.0	23.3	23.5	23.9	23.9	23.9	24.1	24.2	24.5	24.4	24.4	23.6	23.1			
130	20.3	19.7	19.2	19.9	20.6	20.7	20.9	21.2	20.9	21.0	21.0	21.7	21.2	21.2	20.4	19.9			
135	17.2	16.3	16.8	17.2	17.7	17.8	17.8	17.8	17.6	17.5	17.4	18.3	17.7	17.7	17.1	16.3			
140	14.1	12.7	13.7	14.4	14.5	14.4	14.5	14.5	13.8	14.0	13.9	14.8	14.2	14.3	13.9	12.8			
145	11.2	9.63	10.9	11.6	11.4	11.1	11.6	11.9	10.6	11.1	10.2	11.4	10.7	10.9	10.6	9.34			
150	8.89	7.16	8.05	8.83	8.44	8.26	8.86	9.29	8.18	8.43	7.48	8.84	8.43	8.46	7.98	7.49			
155	7.56	5.74	5.96	6.67	6.44	6.73	7.21	7.28	6.03	6.76	5.04	7.22	6.05	6.33	5.82	6.15			
160	5.91	5.06	5.20	5.22	4.47	5.51	5.66	5.87	5.08	5.03	4.11	4.83	5.20	4.93	4.73	4.22			
165	4.30	3.97	4.47	4.50	3.67	4.42	5.05	4.50	4.77	4.91	3.58	3.44	4.38	3.10	3.32	3.39			
170	2.55	3.23	3.66	3.51	2.59	3.09	3.93	4.16	3.12	3.16	3.13	1.68	2.91	2.77	2.89	2.81			
175	2.39	2.78	2.84	2.77	2.09	2.32	2.77	3.25	2.63	2.66	1.67	1.17	1.99	2.20	2.17	1.39			
180	1.19	1.15	1.04	1.05	1.15	1.18	1.17	1.05	1.20	1.20	1.20	1.19	1.19	1.19	1.19	1.19			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

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