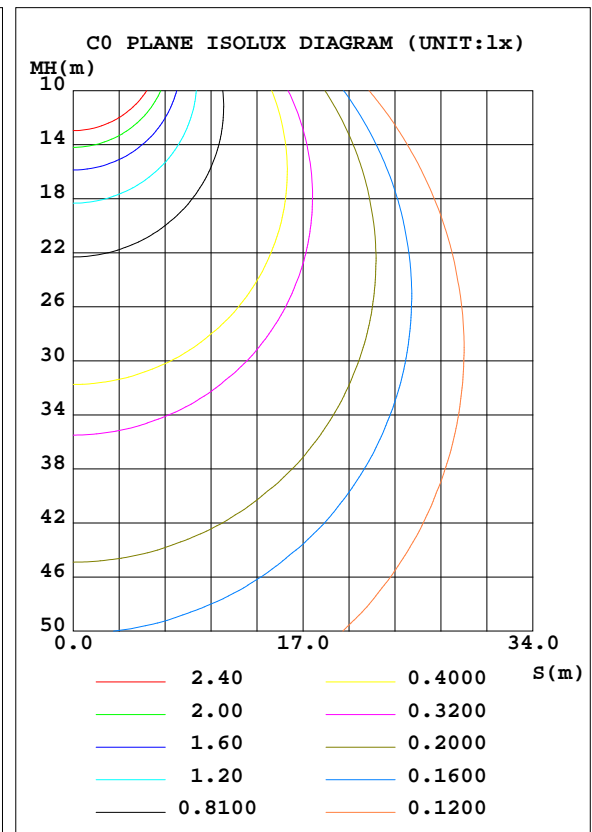
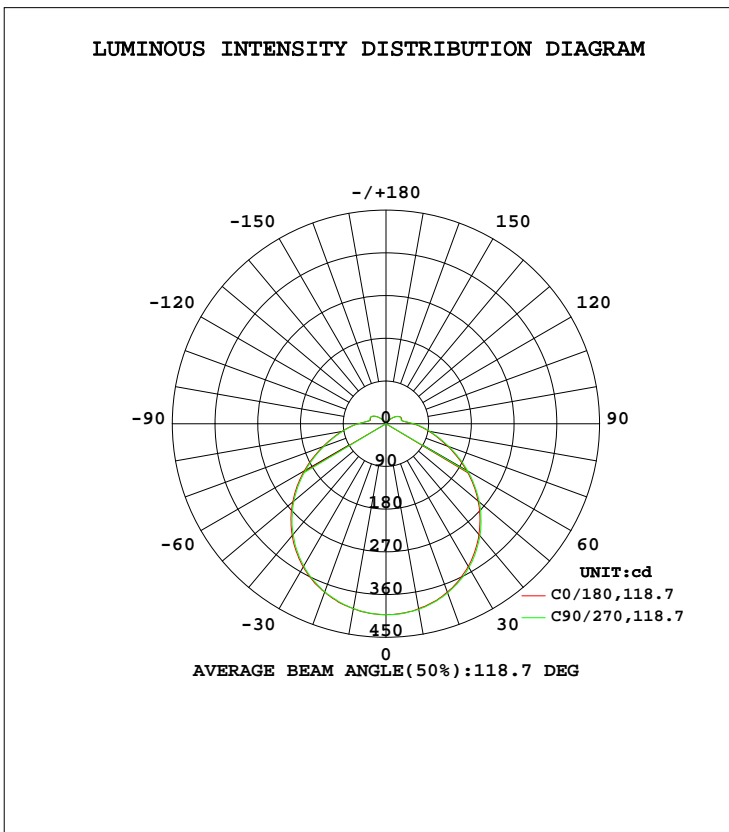


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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: 72.23 lm/W			
MODEL	ASD-LFMDR-12D20CC-NK	Imax(cd)	402.9	S/MH(C0/180)	1.28
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1473.5	η UP, DN(C0-180)	5.6,44.5
NOMINAL FLUX(lm)	1473.53	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	5.4,44.5
LAMPS INSIDE	1	η up(%)	11.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	89.0	CIBSE SHR MAX	1.50



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:55%
 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	395.5	395.2	395.2	395.9	395.8	396.8	397.4	396.5	0- 10	38.10	38.10	2.59,2.59
20	377.4	376.9	376.9	377.8	377.7	379.1	379.8	378.9	10- 20	109.7	147.8	10,10
30	348.4	346.8	346.4	347.6	346.9	348.7	349.6	349.0	20- 30	168.1	315.9	21.4,21.4
40	307.5	304.9	304.4	306.5	304.5	307.2	307.9	306.9	30- 40	205.5	521.4	35.4,35.4
50	256.1	253.9	253.2	255.1	253.3	256.4	256.7	255.7	40- 50	217.4	738.8	50.1,50.1
60	198.8	196.2	195.8	197.3	195.5	198.0	198.9	197.8	50- 60	202.7	941.4	63.9,63.9
70	141.6	139.2	138.5	140.4	138.2	140.0	141.6	139.8	60- 70	166.5	1108	75.2,75.2
80	94.44	92.65	93.08	94.60	91.91	92.86	94.10	93.13	70- 80	122.0	1230	83.5,83.5
90	59.05	57.76	58.84	59.95	56.92	57.59	59.00	57.70	80- 90	82.07	1312	89,89
100	36.40	36.30	36.77	37.12	35.53	35.23	35.67	35.34	90-100	49.51	1361	92.4,92.4
110	34.94	35.26	35.86	35.81	34.80	33.75	33.80	34.31	100-110	36.60	1398	94.9,94.9
120	32.00	31.95	32.26	32.56	30.92	30.46	30.77	30.85	110-120	33.65	1432	97.2,97.2
130	22.03	22.46	21.84	21.88	21.26	21.50	21.59	21.12	120-130	24.34	1456	98.8,98.8
140	9.724	10.14	9.096	9.268	8.923	9.660	9.809	9.092	130-140	12.20	1468	99.6,99.6
150	3.267	4.175	3.166	2.789	2.400	3.016	3.073	2.885	140-150	3.645	1472	99.9,99.9
160	2.227	2.765	2.203	2.080	1.268	1.020	1.833	1.574	150-160	1.034	1473	100,100
170	1.996	2.212	1.694	1.666	0.9098	0.9576	1.021	1.444	160-170	0.4980	1473	100,100
180	0.6591	0.6631	0.6659	0.3650	0.6701	0.6691	0.6663	0.6700	170-180	0.1096	1474	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 630.31 lm

%lum = 42.8%

%lamp = 42.8%

Conical surface Flux(120deg): 941.44 lm

%lum = 63.9%

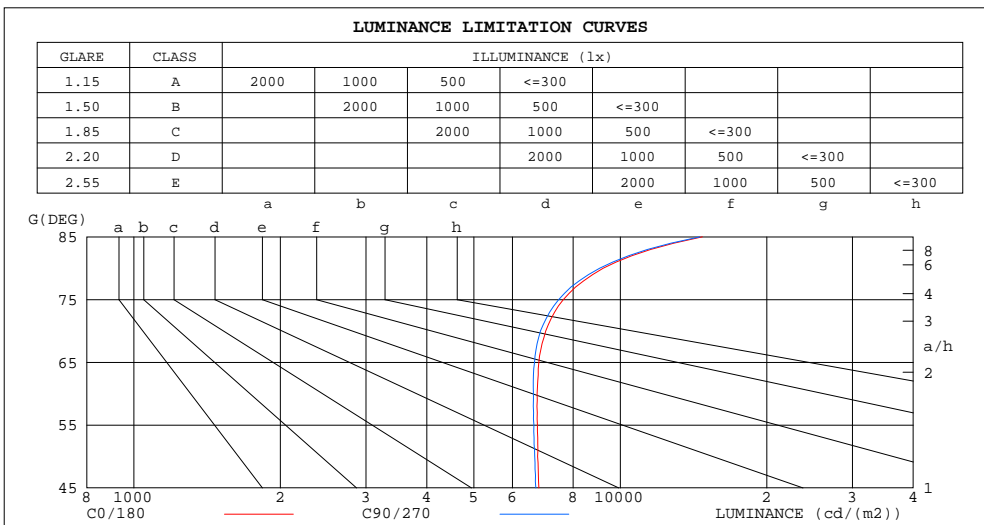
%lamp = 63.9%

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:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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	14741	14570
80	9225	9072
75	7637	7468
70	7025	6852
65	6799	6665
60	6744	6626
55	6757	6642
50	6759	6666
45	6798	6705

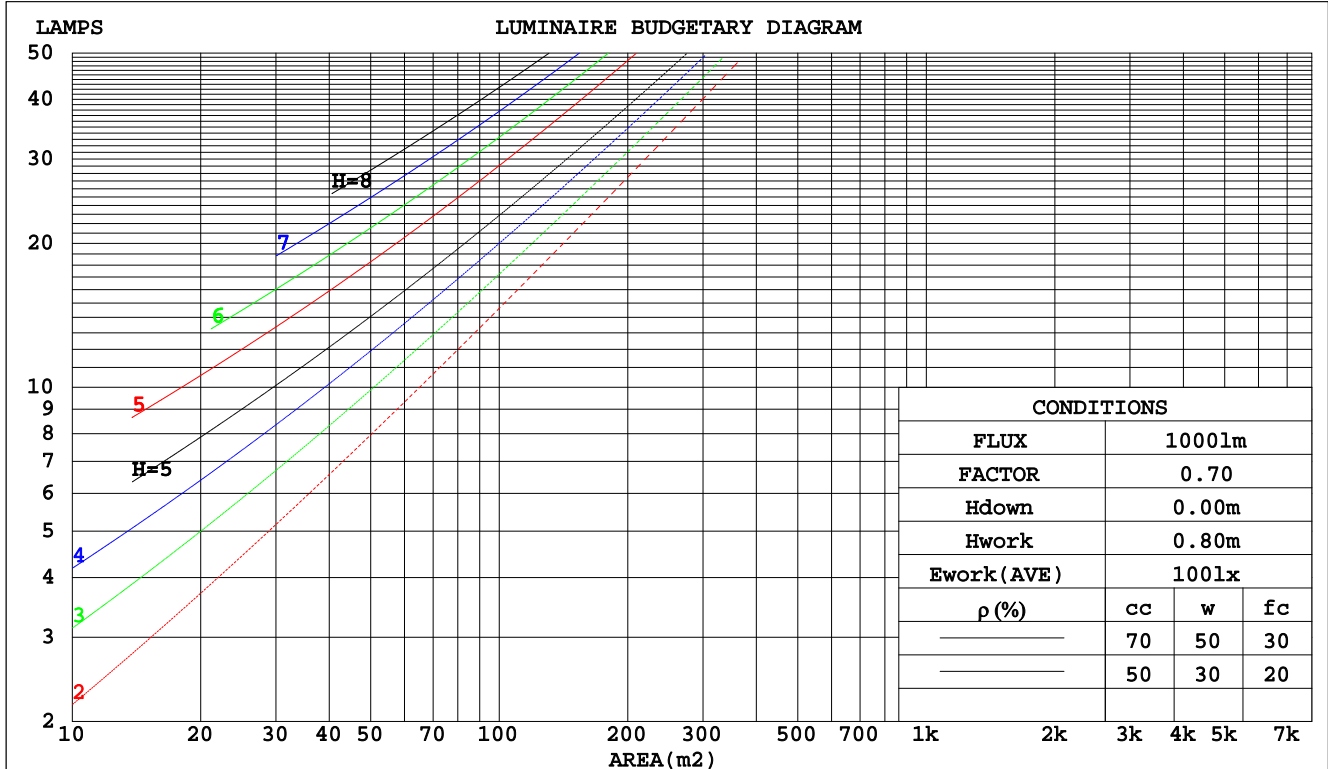
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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	1.16	1.16	1.16	1.12	1.12	1.12	1.05	1.05	1.05	.98	.98	.98	.92	.92	.92	.89
1.0	.99	.94	.89	.95	.91	.87	.89	.85	.82	.83	.80	.78	.78	.76	.73	.71
2.0	.85	.78	.72	.82	.76	.70	.77	.71	.67	.72	.67	.63	.67	.64	.60	.57
3.0	.74	.66	.59	.72	.64	.58	.67	.61	.55	.63	.57	.53	.59	.54	.50	.48
4.0	.66	.56	.49	.64	.55	.48	.60	.52	.47	.56	.50	.45	.52	.47	.43	.40
5.0	.58	.49	.42	.57	.48	.41	.53	.46	.40	.50	.44	.39	.47	.42	.37	.35
6.0	.52	.43	.37	.51	.42	.36	.48	.40	.35	.45	.39	.34	.43	.37	.33	.30
7.0	.47	.38	.32	.46	.38	.32	.43	.36	.31	.41	.35	.30	.39	.33	.29	.27
8.0	.43	.34	.29	.42	.34	.28	.40	.32	.27	.38	.31	.26	.36	.30	.26	.24
9.0	.40	.31	.26	.38	.31	.25	.37	.29	.25	.35	.28	.24	.33	.27	.23	.21
10.0	.36	.28	.23	.35	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



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:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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	.356	.202	.064	.346	.197	.063	.326	.187	.060	.308	.177	.057	.291	.169	.054	
2.0	.316	.173	.053	.307	.169	.052	.289	.161	.050	.273	.153	.048	.258	.146	.046	
3.0	.285	.152	.045	.276	.148	.045	.261	.141	.043	.246	.135	.041	.232	.129	.040	
4.0	.259	.134	.040	.251	.131	.039	.237	.126	.038	.224	.120	.036	.211	.115	.035	
5.0	.237	.121	.035	.230	.118	.034	.217	.113	.033	.205	.108	.032	.194	.104	.031	
6.0	.218	.109	.031	.212	.107	.031	.200	.103	.030	.189	.098	.029	.179	.094	.028	
7.0	.202	.100	.028	.196	.098	.028	.186	.094	.027	.176	.090	.026	.166	.086	.025	
8.0	.188	.092	.026	.183	.090	.025	.173	.086	.025	.164	.083	.024	.155	.080	.023	
9.0	.175	.085	.024	.171	.083	.023	.162	.080	.023	.153	.077	.022	.145	.074	.021	
10.0	.164	.079	.022	.160	.077	.022	.152	.074	.021	.144	.072	.020	.137	.069	.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	.274	.274	.274	.234	.234	.234	.160	.160	.160	.092	.092	.092	.029	.029	.029	
1.0	.268	.240	.215	.229	.206	.185	.157	.142	.128	.090	.082	.074	.029	.026	.024	
2.0	.260	.217	.180	.223	.186	.155	.153	.129	.108	.088	.075	.064	.028	.024	.021	
3.0	.253	.200	.157	.217	.172	.137	.149	.120	.096	.086	.070	.056	.028	.023	.018	
4.0	.245	.187	.143	.210	.161	.124	.144	.113	.087	.084	.066	.052	.027	.021	.017	
5.0	.237	.177	.132	.204	.153	.115	.140	.107	.081	.081	.063	.048	.026	.020	.016	
6.0	.230	.169	.125	.198	.146	.109	.136	.102	.077	.079	.060	.046	.026	.020	.015	
7.0	.223	.162	.119	.192	.140	.104	.133	.098	.074	.077	.058	.044	.025	.019	.014	
8.0	.216	.156	.115	.186	.136	.100	.129	.095	.071	.075	.056	.042	.024	.018	.014	
9.0	.210	.151	.112	.181	.131	.097	.125	.092	.069	.073	.055	.041	.024	.018	.014	
10.0	.204	.147	.109	.176	.128	.095	.122	.090	.068	.071	.053	.040	.023	.017	.013	

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:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm										
NAME: ASD-LFMDR-12D20CC-NK 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	18.8	20.2	19.2	20.6	21.0	18.7	20.1	19.1	20.5	20.9
3H	20.6	21.9	21.1	22.4	22.8	20.5	21.8	21.0	22.3	22.7
4H	21.6	22.8	22.0	23.3	23.7	21.4	22.7	21.9	23.1	23.6
6H	22.5	23.7	23.0	24.2	24.7	22.4	23.6	22.9	24.1	24.6
8H	23.1	24.2	23.6	24.7	25.2	22.9	24.1	23.4	24.6	25.1
12H	23.7	24.7	24.2	25.2	25.8	23.5	24.6	24.0	25.1	25.7
4H 2H	19.4	20.7	19.9	21.1	21.6	19.4	20.6	19.8	21.0	21.5
3H	21.5	22.6	22.0	23.1	23.6	21.4	22.5	21.9	23.0	23.5
4H	22.6	23.6	23.1	24.1	24.6	22.5	23.5	23.0	24.0	24.6
6H	23.7	24.6	24.3	25.2	25.8	23.6	24.5	24.2	25.1	25.7
8H	24.4	25.2	24.9	25.8	26.4	24.3	25.1	24.8	25.6	26.3
12H	25.1	25.9	25.7	26.4	27.1	25.0	25.8	25.6	26.3	27.0
8H 4H	23.0	23.8	23.6	24.4	25.0	22.9	23.7	23.5	24.3	24.9
6H	24.4	25.1	25.0	25.7	26.4	24.3	25.0	24.9	25.6	26.3
8H	25.2	25.8	25.8	26.4	27.1	25.1	25.7	25.7	26.4	27.0
12H	26.1	26.7	26.8	27.3	28.0	26.1	26.6	26.7	27.2	27.9
12H 4H	23.1	23.8	23.6	24.4	25.0	23.0	23.7	23.6	24.3	25.0
6H	24.6	25.2	25.2	25.8	26.5	24.5	25.1	25.1	25.7	26.4
8H	25.5	26.0	26.1	26.7	27.4	25.4	25.9	26.0	26.6	27.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1474 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.3)

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:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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

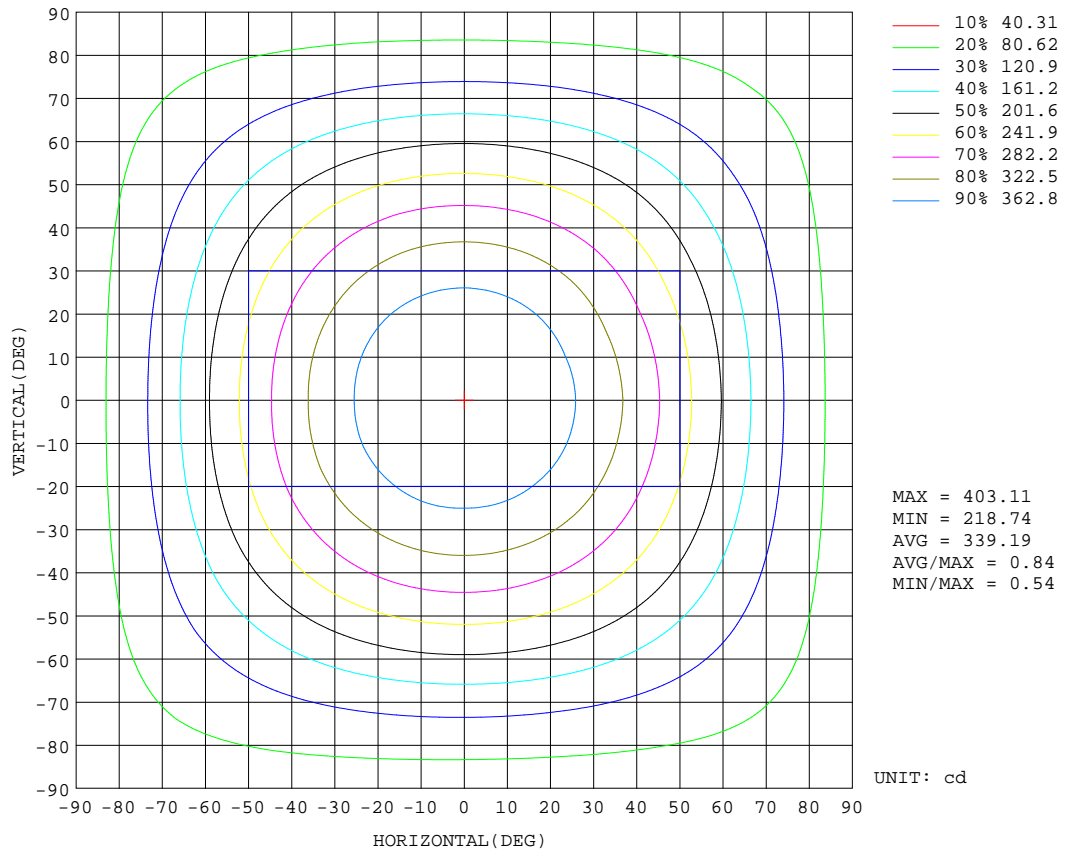
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	40	33	51	39	32	49	39	32	26
0.80	61	49	41	60	48	41	58	47	40	33
1.00	69	57	49	68	56	49	65	57	48	40
1.25	76	65	57	74	63	56	71	61	55	46
1.50	81	70	62	79	69	61	75	66	60	50
2.00	88	78	71	86	77	70	81	73	67	57
2.50	93	83	76	90	81	75	84	78	72	61
3.00	96	88	81	93	86	80	87	81	76	65
4.00	101	93	88	97	91	86	91	86	82	69
5.00	103	97	92	100	94	90	93	89	85	72
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:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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

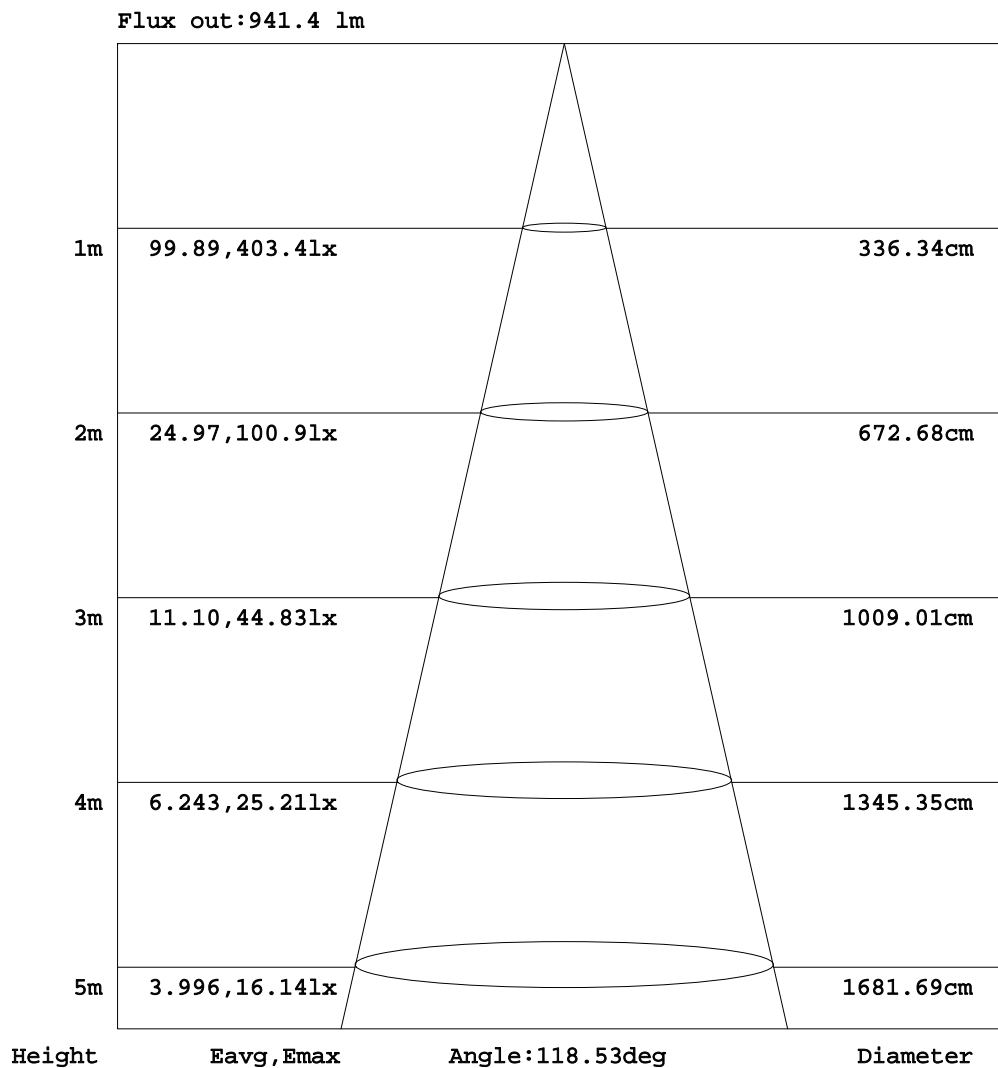


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:Carl
 Test Date:2022-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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



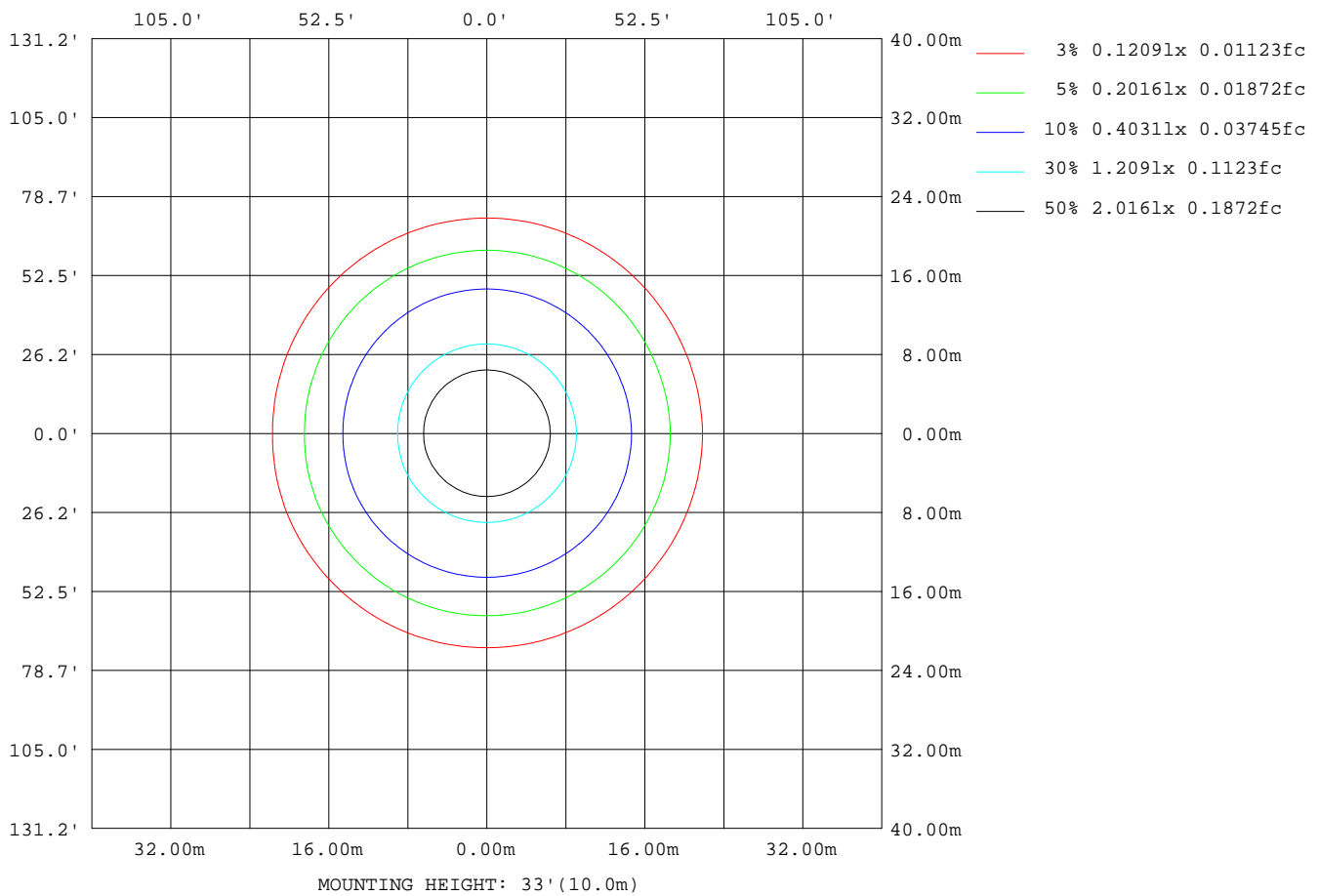
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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:55%
 Test Distance:2.526m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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

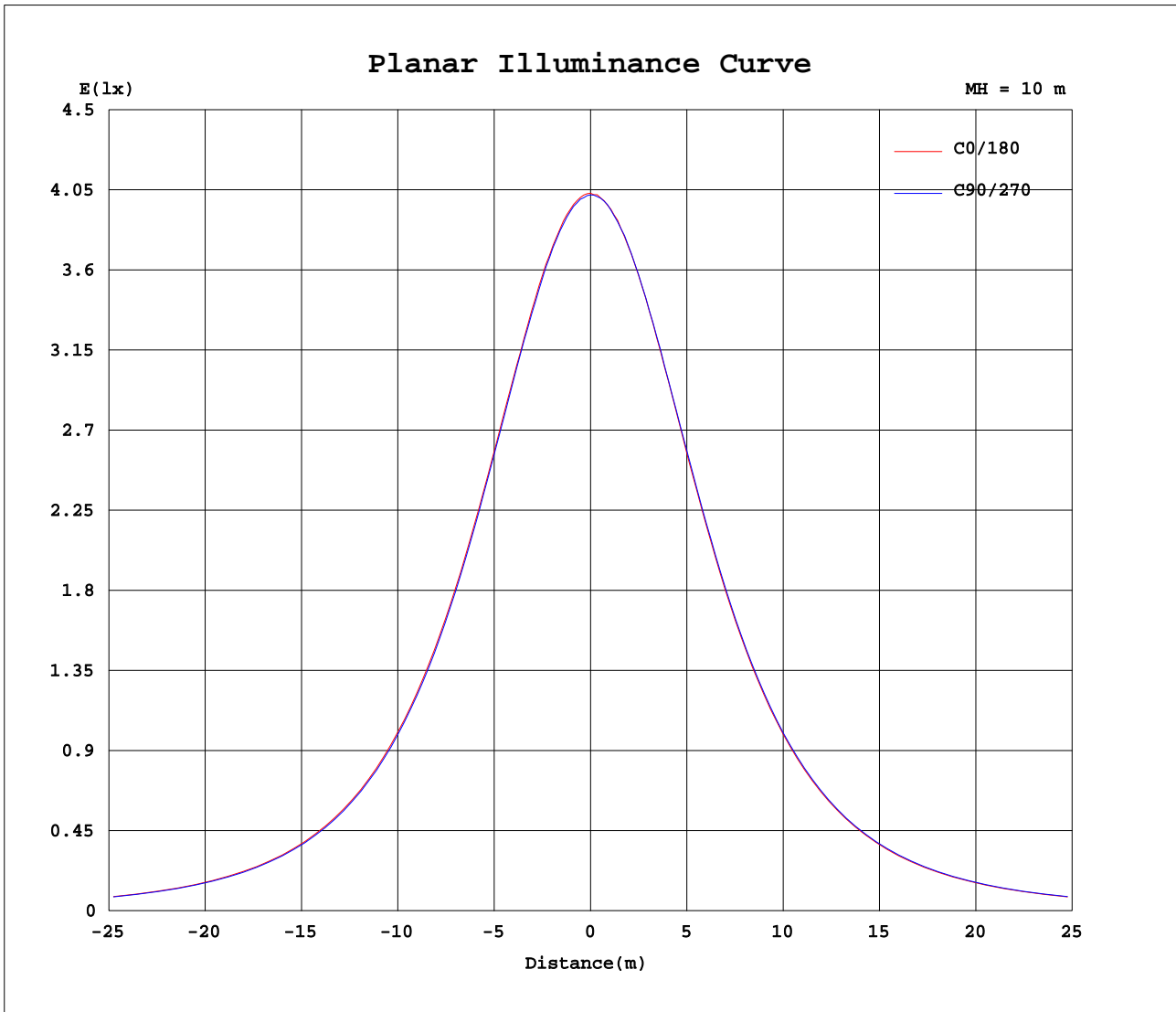
AvgL	cd/m2
L_0~180(65)av	6721
L_0~180(75)av	7509
L_0~180(85)av	14504
L_90~270(65)av	6723
L_90~270(75)av	7520
L_90~270(85)av	14611
L_45(65)av	6722
L_45(75)av	7513
L_45(85)av	14553

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:55%
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: 55%
Test Distance: 2.526m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1823A P:20.40W PF:0.9325 Lamp Flux:1473.53x1 lm		
NAME: ASD-LFMDR-12D20CC-NK 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	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402			
5	401	400	400	401	401	401	401	401	400	400	401	402	402	401	401	401			
10	396	395	395	396	395	395	396	396	396	397	397	397	397	397	396	396			
15	389	388	388	389	387	388	389	389	388	388	389	391	390	389	389	389			
20	377	377	377	377	377	377	378	378	378	379	379	380	380	379	379	378			
25	365	364	363	364	363	364	364	365	364	364	365	367	366	365	365	365			
30	348	347	347	347	346	347	348	349	347	348	349	350	350	349	349	348			
35	329	328	327	327	327	327	328	329	327	328	329	331	330	329	329	328			
40	308	306	305	305	304	305	306	307	305	305	307	308	308	307	307	306			
45	283	282	281	281	280	281	282	283	280	281	282	284	283	283	282	281			
50	256	255	254	254	253	253	255	256	253	254	256	257	257	256	256	254			
55	228	227	226	225	225	226	227	228	225	226	227	228	228	228	227	226			
60	199	197	196	196	196	196	197	198	196	196	198	199	199	198	198	196			
65	169	168	167	167	166	167	168	169	166	167	168	170	169	169	168	167			
70	142	140	139	139	138	139	140	141	138	139	140	141	142	141	140	139			
75	117	115	114	114	114	115	116	116	113	114	115	116	116	115	115	114			
80	94.4	93.8	92.7	92.9	93.1	93.6	94.6	94.8	91.9	92.1	92.9	94.0	94.1	93.6	93.1	92.5			
85	75.7	75.2	74.3	74.5	75.0	75.6	76.4	76.4	73.6	73.7	74.3	75.6	75.4	74.9	74.6	74.0			
90	59.0	58.6	57.8	57.7	58.8	59.3	59.9	59.6	56.9	56.8	57.6	59.1	59.0	58.2	57.7	57.3			
95	45.1	44.8	44.2	43.9	44.6	45.7	45.7	45.8	43.2	42.8	43.7	44.8	44.9	44.1	43.6	43.5			
100	36.4	36.2	36.3	36.0	36.8	37.6	37.1	37.2	35.5	34.8	35.2	35.6	35.7	35.7	35.3	35.7			
105	34.2	34.2	34.5	34.8	35.3	35.6	35.1	35.2	34.3	33.6	33.0	32.9	33.0	33.5	33.9	34.3			
110	34.9	35.2	35.3	35.6	35.9	36.1	35.8	35.8	34.8	34.1	33.7	33.7	33.8	33.9	34.3	34.8			
115	34.6	34.7	34.6	34.9	35.2	35.4	35.3	35.2	34.0	33.6	33.1	33.4	33.2	33.3	33.7	34.1			
120	32.0	32.1	31.9	32.1	32.3	32.6	32.6	32.3	30.9	30.8	30.5	31.0	30.8	30.6	30.8	30.9			
125	27.6	27.9	28.0	27.8	27.7	27.6	27.7	28.1	26.8	26.9	26.6	27.1	26.8	26.6	26.6	26.5			
130	22.0	22.3	22.5	22.0	21.8	21.8	21.9	22.3	21.3	21.5	21.5	21.9	21.6	21.1	21.1	20.9			
135	15.8	16.2	16.3	15.7	15.3	15.3	15.5	16.1	15.0	15.4	15.6	16.0	15.8	15.3	15.1	14.6			
140	9.72	10.1	10.1	9.48	9.10	8.94	9.27	9.94	8.92	9.36	9.66	10.01	9.81	9.39	9.09	8.56			
145	5.64	5.95	6.07	5.55	5.20	5.55	5.09	5.54	4.87	5.23	5.43	5.96	5.52	5.92	5.15	4.74			
150	3.27	3.63	4.17	3.40	3.17	2.74	2.79	2.97	2.40	2.65	3.02	2.86	3.07	2.98	2.89	2.38			
155	2.35	2.51	2.76	3.00	2.55	2.18	1.93	1.98	1.38	1.41	1.59	2.10	1.77	1.77	1.89	1.30			
160	2.23	2.51	2.77	2.64	2.20	2.14	2.08	1.88	1.27	1.71	1.02	1.96	1.83	1.72	1.57	1.63			
165	2.05	2.40	2.59	2.99	1.91	1.68	1.91	1.32	1.28	1.26	1.11	1.38	1.65	1.67	1.58	1.59			
170	2.00	2.24	2.21	1.77	1.69	1.60	1.67	1.55	0.91	0.98	0.96	0.72	1.02	0.89	1.44	1.31			
175	1.07	1.12	1.01	0.96	1.39	1.32	1.32	1.27	0.93	0.90	0.88	0.78	0.69	0.64	0.88	0.86			
180	0.66	0.63	0.66	0.67	0.67	0.66	0.36	0.25	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67			

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

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