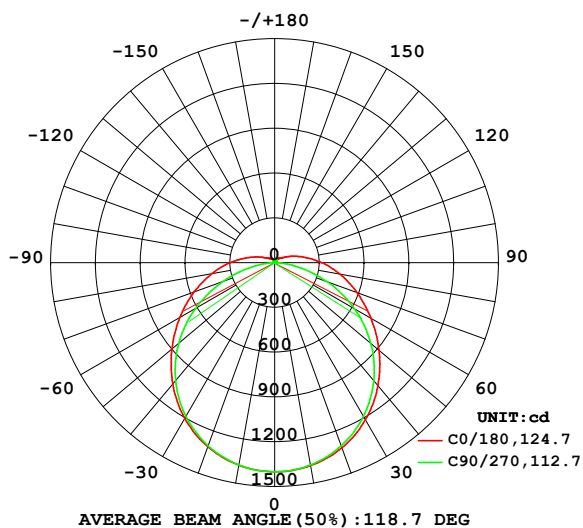


LUMINAIRE PHOTOMETRIC TEST REPORT

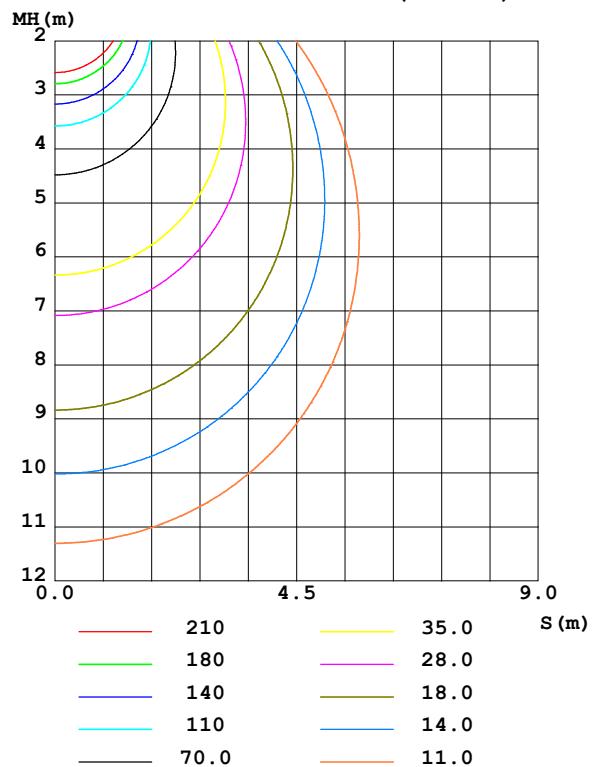
Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 131.05 lm/W
MODEL		I _{max} (cd)	1402	S/MH(C0/180)	1.28	
NOMINAL POWER(W)	37.2	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4869.7	η UP,DN(C0-180)	3.9,46.4	
NOMINAL FLUX(lm)	4869.72	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.8,46.0	
LAMPS INSIDE	1	η up (%)	7.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	230	η down (%)	92.3	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [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	1381	1379	1377	1379	1378	1378	1377	1378	0- 10	132.7	132.7	2.72,2.72
20	1319	1312	1305	1312	1312	1309	1306	1311	10- 20	381.2	513.8	10.6,10.6
30	1217	1203	1190	1201	1205	1197	1189	1202	20- 30	581.2	1095	22.5,22.5
40	1077	1056	1034	1053	1062	1046	1032	1055	30- 40	707.4	1802	37,37
50	913.1	876.5	841.7	875.6	898.8	862.1	838.1	878.6	40- 50	744.9	2547	52.3,52.3
60	745.1	678.1	618.0	687.1	732.7	663.8	613.0	689.1	50- 60	695.0	3242	66.6,66.6
70	587.3	483.6	373.7	506.2	575.2	469.7	365.8	505.9	60- 70	574.8	3817	78.4,78.4
80	443.8	317.3	139.8	346.6	427.2	303.9	133.8	349.1	70- 80	416.0	4233	86.9,86.9
90	316.4	187.1	12.55	215.1	298.4	173.8	10.00	221.4	80- 90	262.1	4495	92.3,92.3
100	209.5	98.78	7.448	119.5	191.6	87.14	6.777	127.4	90-100	152.8	4648	95.4,95.4
110	127.5	50.62	10.01	63.19	112.2	45.86	9.000	69.39	100-110	85.84	4734	97.2,97.2
120	71.81	33.60	12.31	39.63	63.89	32.08	11.35	41.36	110-120	47.86	4782	98.2,98.2
130	48.56	28.77	14.72	32.73	45.97	28.21	13.71	32.30	120-130	30.33	4812	98.8,98.8
140	37.83	24.80	16.98	28.92	36.91	25.69	15.98	27.72	130-140	22.18	4834	99.3,99.3
150	30.88	22.87	18.89	26.24	30.88	24.19	18.04	24.01	140-150	16.12	4850	99.6,99.6
160	25.96	21.65	20.56	24.31	26.34	22.47	19.73	22.08	150-160	10.98	4861	99.8,99.8
170	22.64	21.59	21.69	22.56	23.06	22.04	21.31	21.48	160-170	6.348	4868	100,100
180	22.44	21.94	22.06	22.03	22.49	22.00	22.08	21.98	170-180	2.097	4870	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2175.9 lm

%lum = 44.7%

%lamp = 44.7%

Conical surface Flux(120deg): 3242.3 lm

%lum = 66.6%

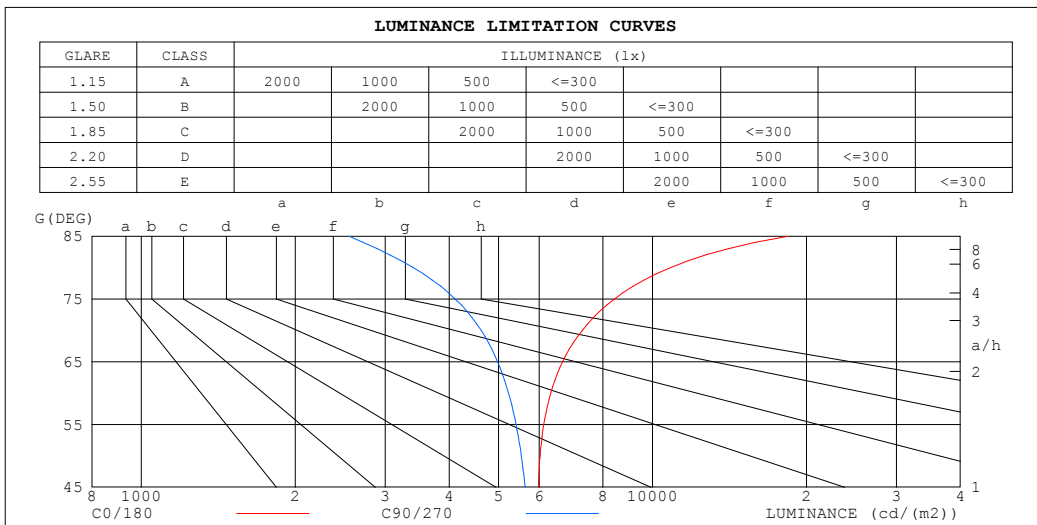
%lamp = 66.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18392	2551
80	10845	3405
75	8423	4108
70	7286	4621
65	6667	4975
60	6323	5227
55	6127	5406
50	6027	5538
45	5982	5634

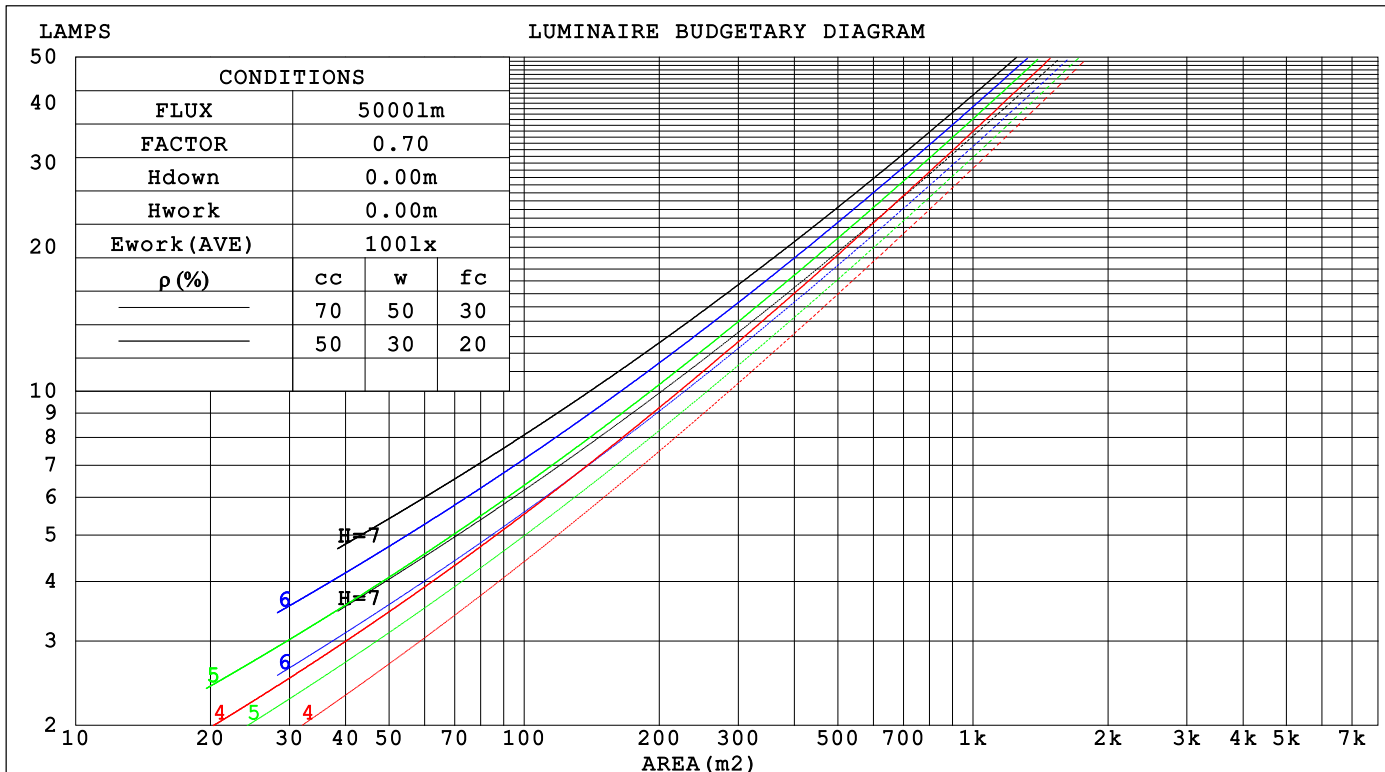
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

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	.00	.95	.90	.97	.92	.88	.91	.87	.84	.86	.83	.80	.81	.78	.76	.73
2.0	.86	.78	.72	.83	.77	.71	.79	.73	.68	.74	.69	.65	.70	.66	.63	.60
3.0	.75	.66	.59	.73	.65	.58	.69	.62	.56	.65	.59	.54	.61	.57	.52	.50
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.48	.57	.51	.46	.54	.49	.45	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.49	.43	.39	.36
6.0	.53	.44	.37	.52	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.32
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.31	.42	.36	.31	.40	.34	.30	.28
8.0	.44	.35	.29	.43	.34	.29	.41	.33	.28	.39	.32	.27	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.36	.29	.25	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.28	.23	.33	.27	.22	.32	.26	.22	.20



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.355	.202	.064	.346	.197	.063	.328	.188	.060	.312	.180	.058	.297	.172	.055		
2.0	.317	.174	.053	.308	.170	.052	.292	.163	.051	.278	.156	.049	.264	.149	.047		
3.0	.286	.152	.046	.278	.149	.045	.264	.143	.043	.251	.137	.042	.238	.132	.041		
4.0	.260	.135	.040	.253	.132	.039	.240	.127	.038	.228	.123	.037	.217	.118	.036		
5.0	.238	.121	.035	.232	.119	.035	.220	.115	.034	.209	.110	.033	.199	.107	.032		
6.0	.219	.110	.031	.213	.108	.031	.203	.104	.030	.193	.100	.030	.184	.097	.029		
7.0	.203	.100	.028	.198	.099	.028	.188	.095	.027	.179	.092	.027	.171	.089	.026		
8.0	.189	.092	.026	.184	.091	.026	.175	.088	.025	.167	.085	.024	.160	.082	.024		
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.157	.079	.023	.150	.076	.022		
10.0	.165	.079	.022	.161	.078	.022	.154	.076	.021	.148	.073	.021	.141	.071	.020		

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						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.249	.249	.249	.213	.213	.213	.145	.145	.145	.083	.083	.083	.027	.027	.027		
1.0	.243	.215	.190	.208	.184	.163	.142	.127	.113	.082	.073	.066	.026	.024	.021		
2.0	.235	.191	.154	.201	.165	.134	.138	.114	.093	.080	.066	.055	.026	.021	.018		
3.0	.227	.174	.132	.195	.150	.114	.134	.104	.080	.077	.061	.047	.025	.020	.015		
4.0	.220	.161	.117	.188	.139	.101	.130	.097	.071	.075	.057	.042	.024	.019	.014		
5.0	.212	.151	.106	.182	.131	.093	.125	.091	.065	.073	.054	.039	.023	.018	.013		
6.0	.205	.143	.099	.176	.124	.086	.121	.087	.061	.070	.051	.036	.023	.017	.012		
7.0	.197	.136	.093	.170	.118	.081	.117	.083	.058	.068	.049	.034	.022	.016	.011		
8.0	.191	.131	.089	.164	.113	.078	.114	.079	.055	.066	.047	.033	.021	.015	.011		
9.0	.185	.126	.086	.159	.109	.075	.110	.077	.053	.064	.045	.032	.021	.015	.010		
10.0	.179	.121	.083	.154	.105	.073	.107	.074	.052	.062	.044	.031	.020	.014	.010		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm										
NAME: LED445-W46 (37W 200mA 4000K)					TYPE:			WEIGHT:		
SPEC.:					DIM.: 0.236350			SERIAL No.: 1		
MFR.:					SUR.:			Shielding Angle:		
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	20.3	19.2	20.6	21.0	18.1	19.5	18.4	19.9	20.2
3H	21.0	22.3	21.4	22.7	23.1	19.5	20.9	19.9	21.3	21.7
4H	22.2	23.4	22.6	23.8	24.3	20.1	21.4	20.5	21.8	22.2
6H	23.4	24.6	23.9	25.1	25.5	20.4	21.7	20.9	22.1	22.5
8H	24.1	25.3	24.6	25.7	26.2	20.5	21.7	21.0	22.1	22.6
12H	24.9	26.1	25.4	26.5	27.0	20.6	21.7	21.0	22.2	22.6
4H 2H	19.4	20.7	19.8	21.1	21.5	18.8	20.1	19.2	20.5	20.9
3H	21.8	22.9	22.2	23.3	23.8	20.5	21.6	21.0	22.1	22.5
4H	23.1	24.2	23.6	24.6	25.1	21.2	22.2	21.7	22.7	23.2
6H	24.6	25.5	25.1	26.0	26.6	21.7	22.6	22.2	23.1	23.7
8H	25.4	26.3	26.0	26.8	27.4	21.9	22.7	22.4	23.2	23.8
12H	26.4	27.2	26.9	27.7	28.3	22.0	22.8	22.5	23.3	23.9
8H 4H	23.4	24.3	24.0	24.8	25.4	21.8	22.7	22.3	23.2	23.7
6H	25.2	25.9	25.8	26.5	27.1	22.6	23.3	23.1	23.8	24.4
8H	26.2	26.9	26.8	27.4	28.0	22.9	23.5	23.4	24.1	24.7
12H	27.4	28.0	28.0	28.6	29.2	23.1	23.6	23.7	24.2	24.9
12H 4H	23.4	24.3	24.0	24.8	25.3	22.0	22.8	22.5	23.3	23.9
6H	25.3	25.9	25.9	26.5	27.1	22.9	23.5	23.5	24.1	24.7
8H	26.4	27.0	27.0	27.6	28.2	23.3	23.9	23.9	24.4	25.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 4870 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.5)
Area: 0.23635 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

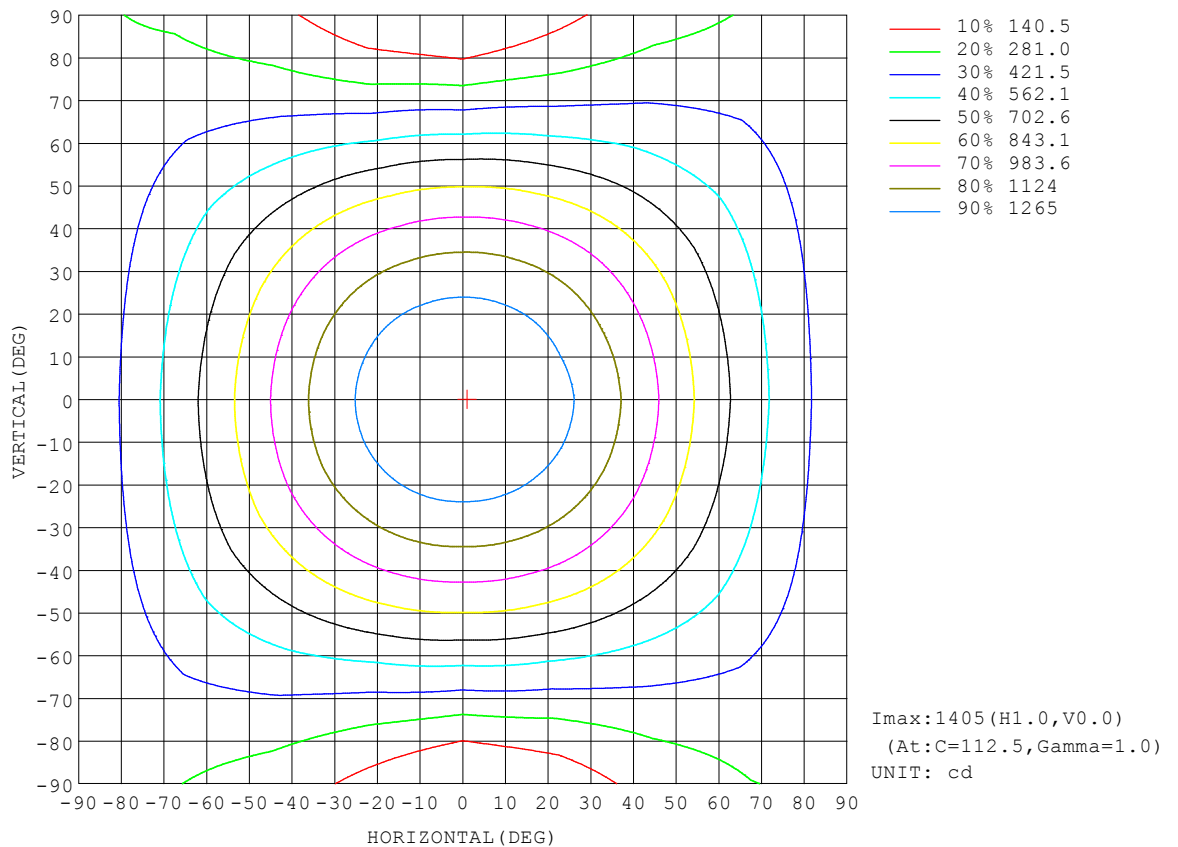
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	41	34	51	40	33	27
0.80	62	50	42	61	50	42	59	49	42	34
1.00	70	58	51	69	58	50	66	59	49	42
1.25	77	66	58	76	65	57	72	63	56	48
1.50	82	71	63	80	70	63	77	68	61	53
2.00	90	80	72	87	78	71	83	75	69	60
2.50	94	85	77	91	83	76	86	79	74	64
3.00	97	89	82	94	87	81	89	83	78	68
4.00	102	95	89	99	92	87	93	88	84	72
5.00	104	98	93	101	96	91	95	91	87	75
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:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

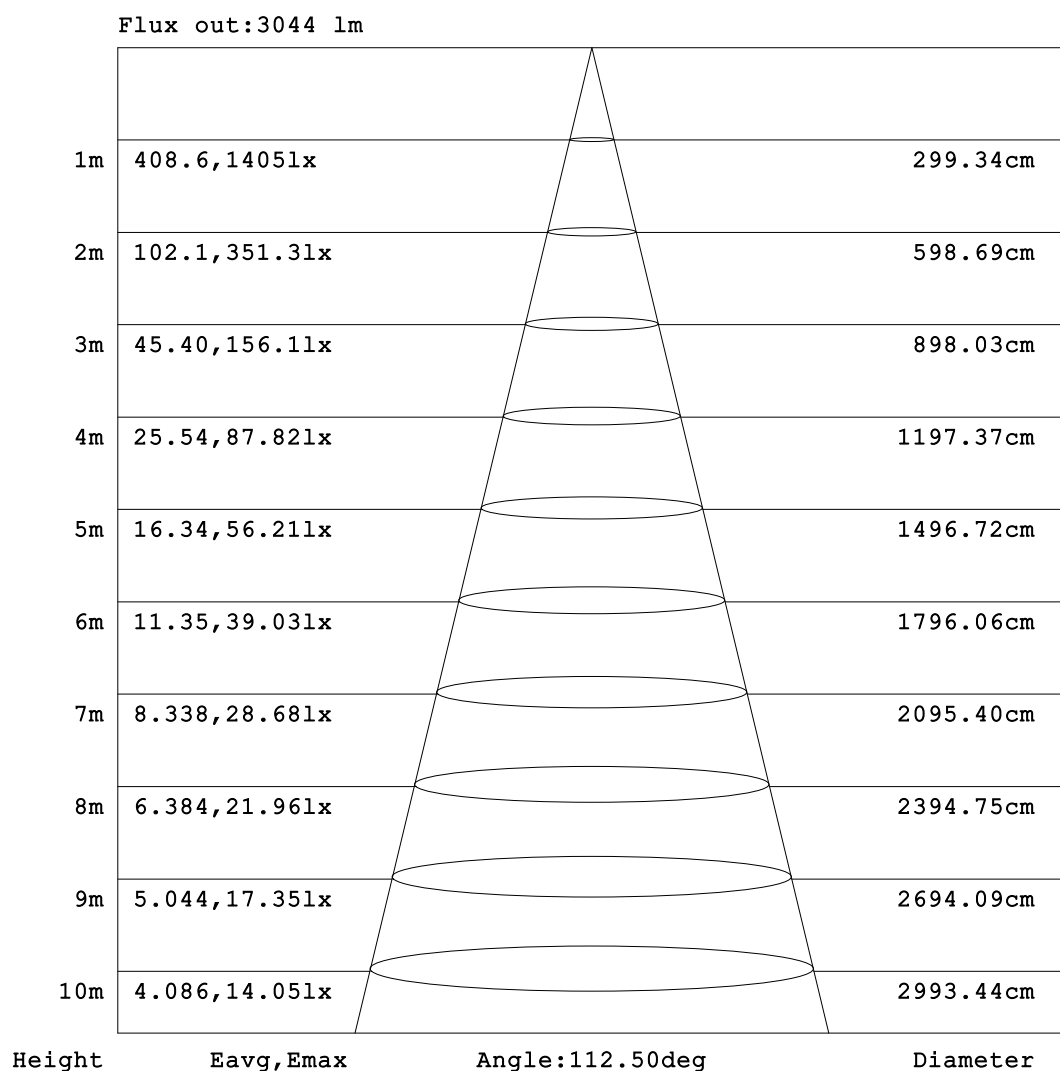


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



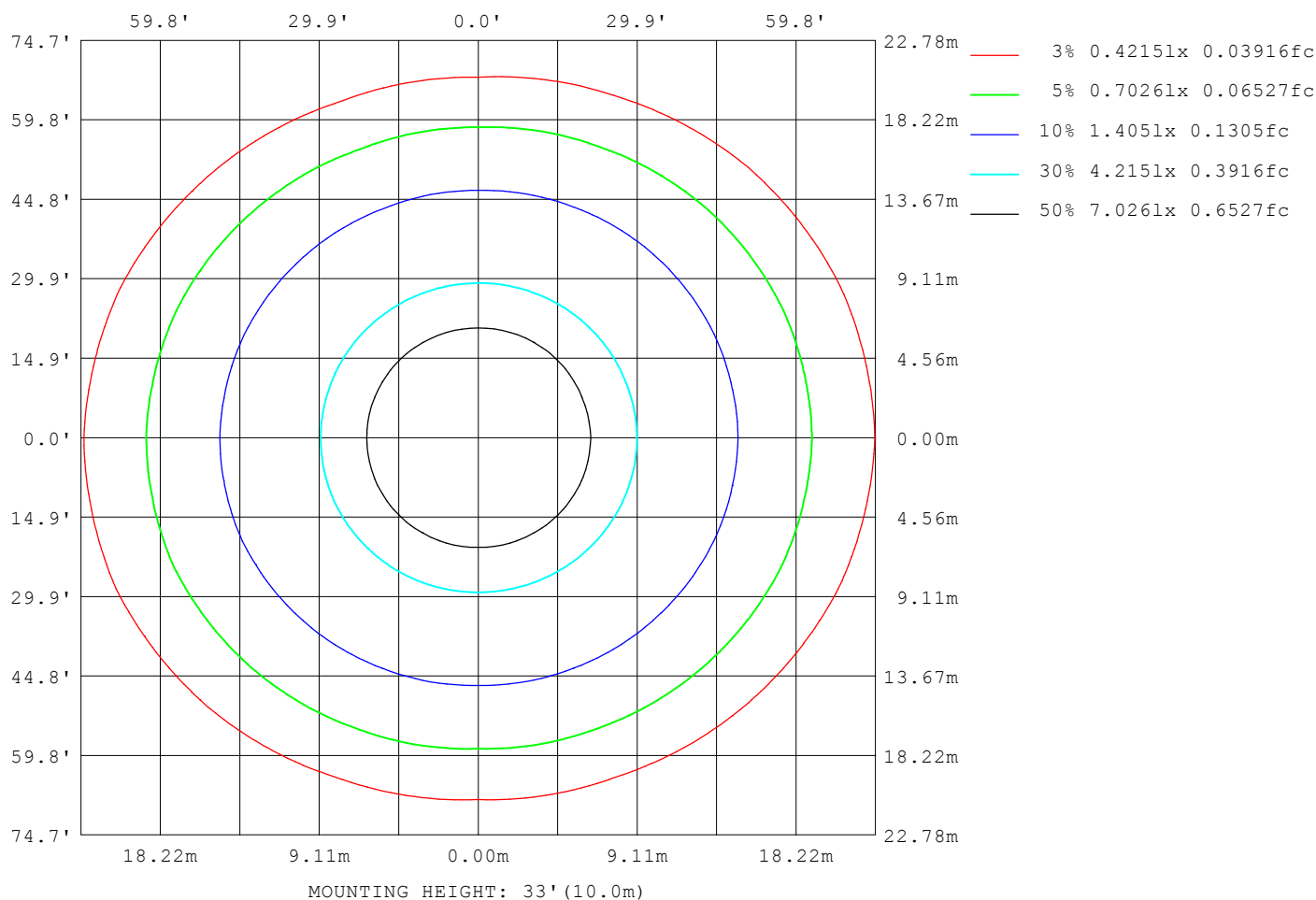
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

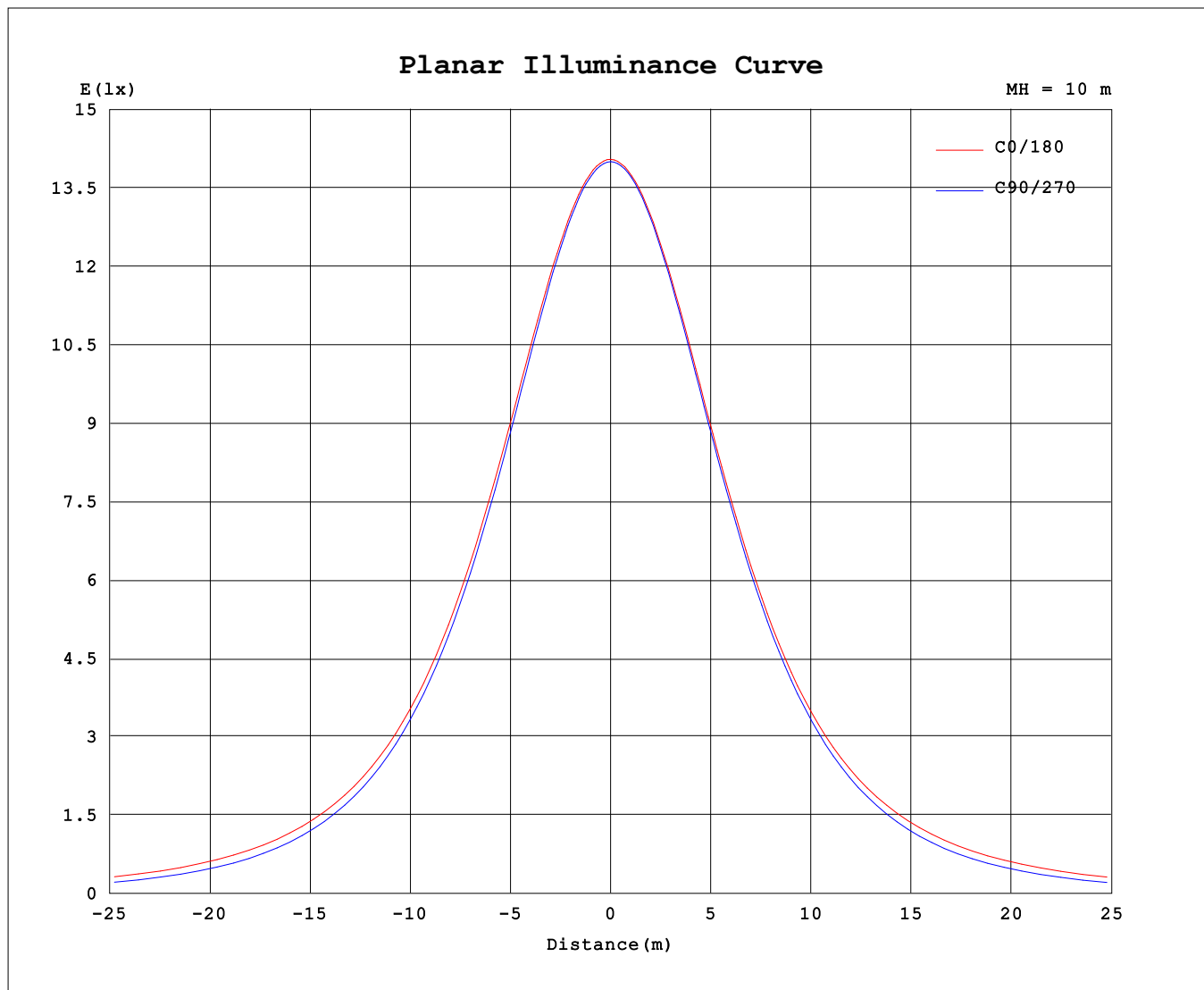
AvgL	cd/m2
L_0~180 (65) av	6588
L_0~180 (75) av	8270
L_0~180 (85) av	17915
L_90~270 (65) av	4937
L_90~270 (75) av	4050
L_90~270 (85) av	2473
L_45 (65) av	5841
L_45 (75) av	6646
L_45 (85) av	12599

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-04-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity: 65.0%
 Test Distance: 12.020m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.38V I:0.1666A P:37.158W PF:0.9680 Freq:50.00Hz Lamp Flux:4869.72x1 lm		
NAME: LED445-W46 (37W 200mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

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	1401	1401	1401	1401	1401	1401	1401	1401	1401	1401	1401	1401	1401	1401	1401	1401			
5	1397	1397	1396	1396	1395	1396	1396	1396	1395	1395	1395	1395	1395	1395	1396	1396			
10	1381	1381	1379	1378	1377	1378	1379	1380	1378	1379	1378	1377	1377	1377	1378	1380			
15	1355	1355	1351	1349	1347	1349	1351	1353	1350	1351	1349	1347	1347	1348	1350	1352			
20	1319	1318	1312	1308	1305	1308	1312	1315	1312	1311	1309	1306	1306	1307	1311	1314			
25	1273	1270	1262	1257	1253	1257	1262	1267	1263	1262	1259	1253	1252	1256	1261	1266			
30	1217	1213	1203	1195	1190	1195	1201	1209	1205	1202	1197	1190	1189	1194	1202	1208			
35	1151	1146	1134	1122	1117	1123	1131	1141	1137	1134	1126	1116	1116	1121	1132	1141			
40	1077	1071	1056	1041	1034	1042	1053	1065	1062	1056	1046	1033	1032	1040	1055	1067			
45	997	989	969	951	942	952	967	983	981	972	957	941	940	950	970	986			
50	913	901	876	853	842	854	876	899	899	885	862	841	838	853	879	901			
55	828	812	778	747	733	750	782	814	815	797	763	734	729	748	784	815			
60	745	723	678	637	618	642	687	729	733	709	664	621	613	640	689	730			
65	664	637	578	520	497	530	595	646	652	624	564	504	489	531	597	647			
70	587	553	484	407	374	423	506	566	575	542	470	389	366	423	506	568			
75	514	477	396	298	251	323	423	489	498	465	383	280	244	323	424	493			
80	444	405	317	201	140	235	347	417	427	391	304	185	134	235	349	422			
85	378	338	247	124	52.6	162	276	350	360	323	234	111	49.3	163	281	356			
90	316	277	187	69.8	12.6	105	215	287	298	261	174	60.0	10.0	108	221	295			
95	260	223	138	37.9	7.11	64.9	163	231	242	206	125	31.7	6.10	68.5	170	240			
100	210	175	98.8	23.2	7.45	40.5	119	181	192	158	87.1	20.3	6.78	43.9	127	191			
105	165	134	70.5	18.1	8.68	28.9	86.3	139	148	119	61.4	16.8	7.83	30.8	93.8	149			
110	128	102	50.6	17.0	10.0	24.0	63.2	105	112	88.6	45.9	16.2	9.00	25.1	69.4	114			
115	97.5	76.8	38.1	16.7	11.1	22.1	46.6	78.4	85.2	64.3	35.7	16.2	10.2	22.4	49.5	86.5			
120	71.8	56.6	33.6	16.9	12.3	21.1	39.6	59.3	63.9	49.9	32.1	16.5	11.4	21.2	41.4	63.0			
125	57.3	47.2	30.8	17.2	13.5	21.2	35.5	49.0	52.4	43.2	29.9	17.2	12.6	20.6	35.9	50.8			
130	48.6	40.7	28.8	17.5	14.7	21.5	32.7	43.1	46.0	39.2	28.2	17.9	13.7	20.3	32.3	43.7			
135	42.3	36.7	26.9	17.8	15.9	21.5	30.6	38.7	41.1	35.9	26.6	18.5	14.9	19.8	30.0	38.8			
140	37.8	33.5	24.8	18.2	17.0	21.6	28.9	35.1	36.9	33.1	25.7	18.9	16.0	19.7	27.7	35.1			
145	34.1	30.8	23.7	18.4	18.0	21.7	27.5	32.2	33.6	30.7	24.9	18.9	17.1	19.5	25.9	31.9			
150	30.9	28.6	22.9	19.2	18.9	21.4	26.2	29.9	30.9	28.7	24.2	19.5	18.0	19.5	24.0	29.2			
155	28.3	26.3	22.1	19.8	19.8	21.6	25.2	27.8	28.4	26.8	23.5	20.0	18.9	19.8	23.0	27.0			
160	26.0	23.9	21.7	20.4	20.6	21.8	24.3	26.1	26.3	25.3	22.5	20.5	19.7	20.3	22.1	25.1			
165	24.0	22.8	21.6	20.9	21.2	21.9	23.2	24.2	24.7	23.4	22.2	21.1	20.5	20.6	21.5	23.3			
170	22.6	22.1	21.6	21.3	21.7	22.0	22.6	23.0	23.1	22.7	22.0	21.6	21.3	20.9	21.5	22.0			
175	22.3	21.9	21.6	21.8	22.0	22.1	22.2	22.3	22.5	22.2	22.0	21.9	21.8	21.5	21.6	21.7			
180	22.4	22.1	21.9	21.9	22.1	22.0	22.0	22.1	22.5	22.0	22.0	21.9	22.1	22.0	22.0	22.1			

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C Interval: 22.5DEG
Test Speed: HIGH
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Operators:DAMIN
Test Date:2024-04-12

γ Range: 0 - 180DEG
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Humidity:65.0%
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