

Report No.:

Test Time: 2024/7/18 17:42:22

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: NORDECOR
Luminaire Type: 4267
Lamp Type:
Luminous Width: 0 mm
Luminous Length: 0 mm
Luminous Height: 0 mm

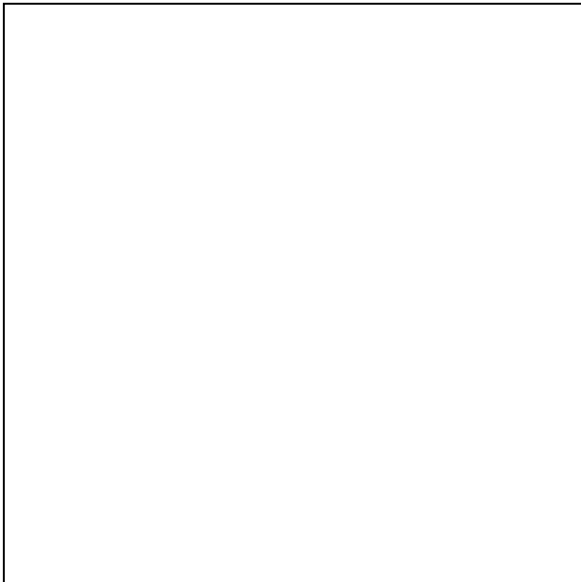
Voltage(V): 219.10 V
Current(A): 0.2640 A
Power(W): 34.24 W
Power Factor: 0.5900
Lamp Luminous Flux: 2776.54

Photometric Results

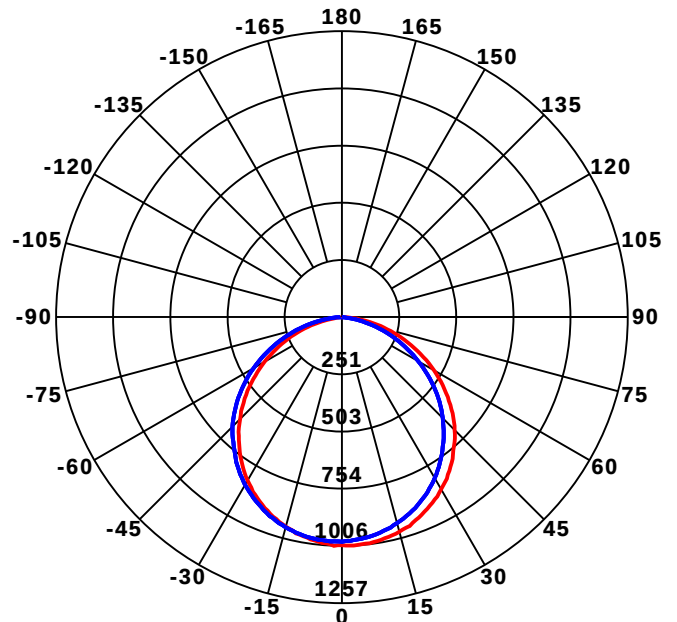
CIE Class: Direct
Luminaire Luminous Flux: 2776.536 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 81.09 lm/W
Beam Angle(50%) C0-180,C90-270: 111.3,111.0
Field Angle(10%) C0-180,C90-270: 159.1,158.8
S/MH C0-180,C90-270: 1.250,1.250

Max. Intensity: 1005.59 cd
Max.Intensity Angle: C=0 Gamma=3
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 1002.81 cd
Effective Luminous Flux: 2730.81 lm
ERP(ϕ use)(120deg): 2224.55 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 111.3 deg,111.0 deg

C0-180 — C90-270 —

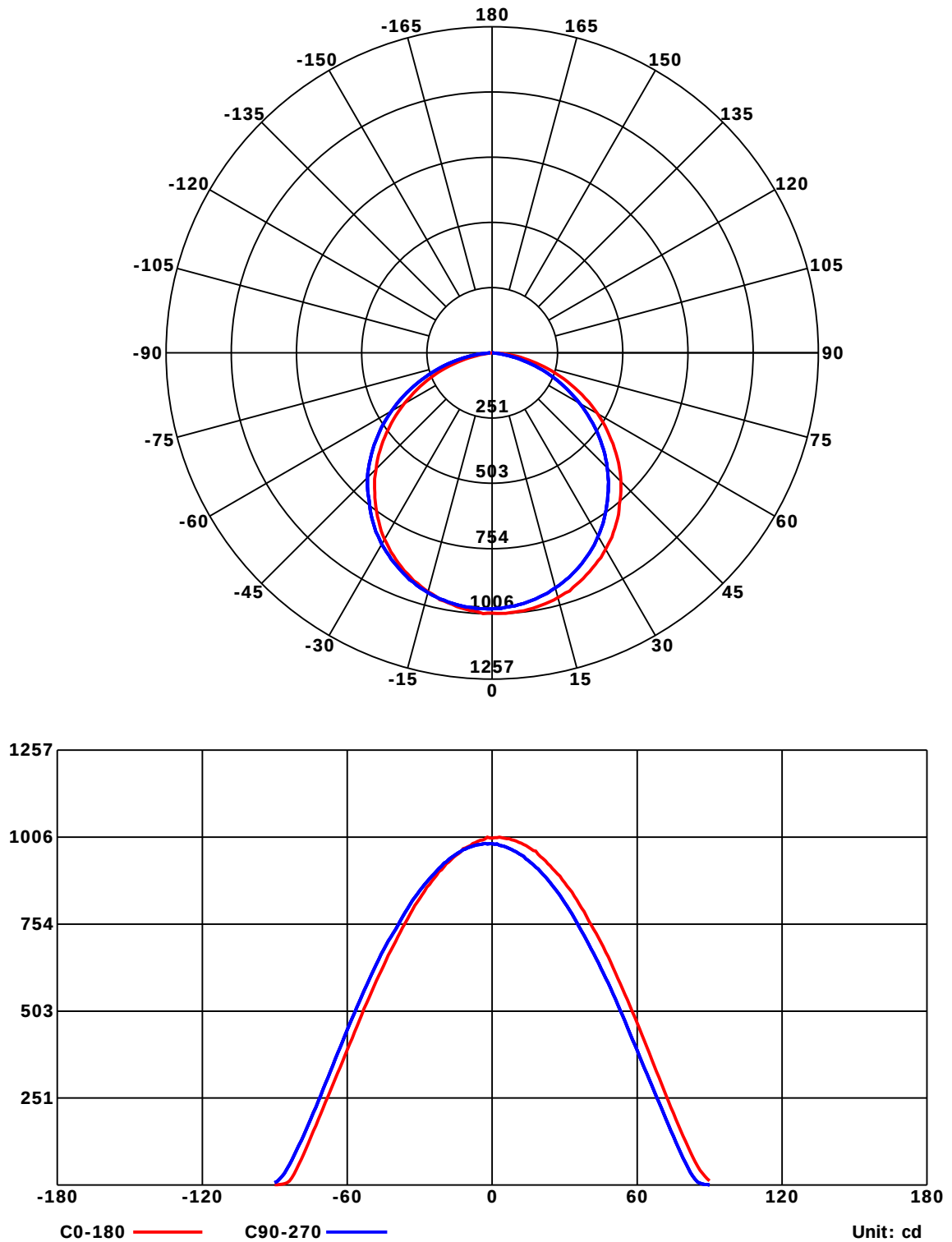
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity:
Test Distance: 6.25 m
Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

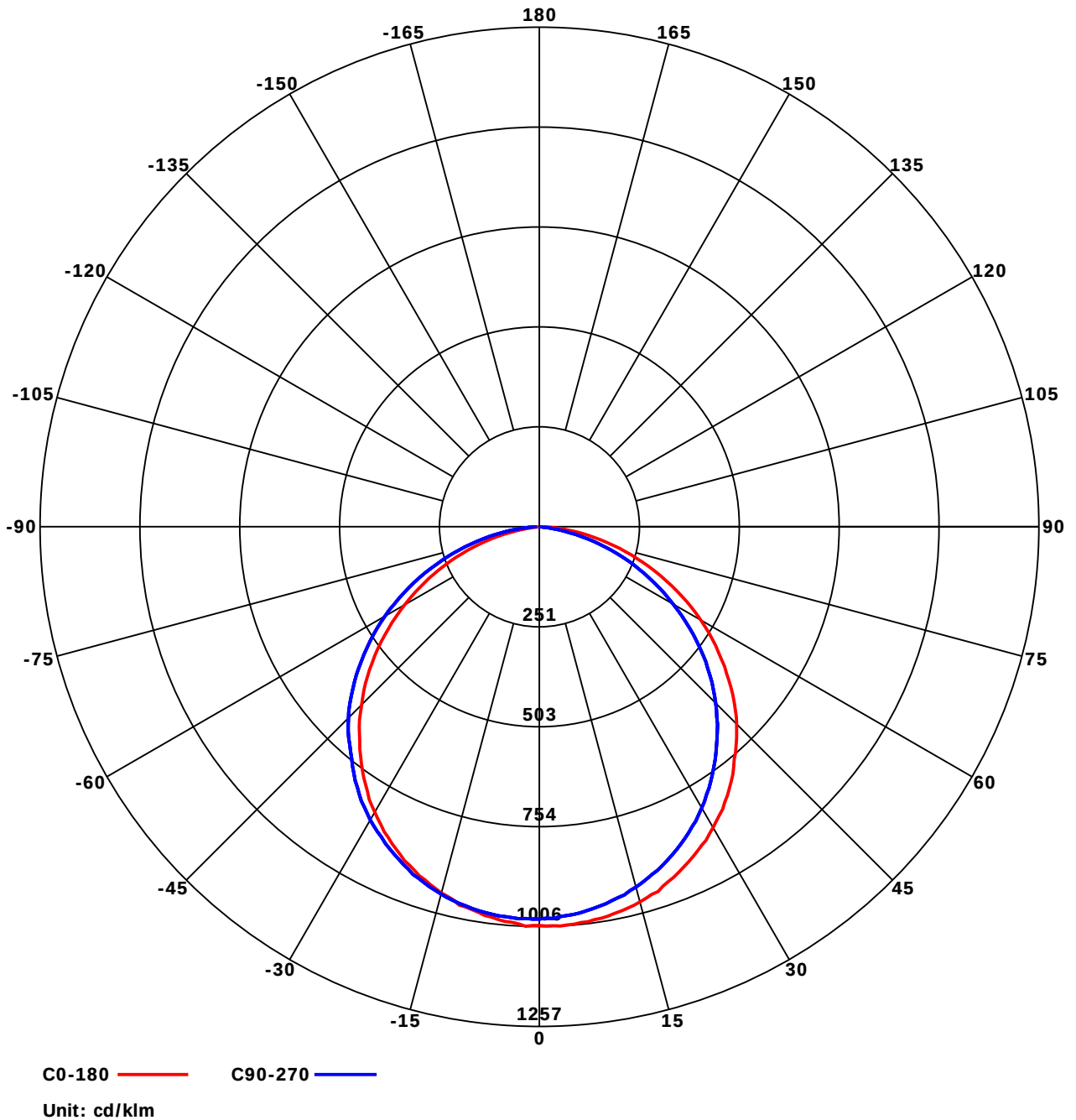
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity:
Test Distance: 6.25 m
Remarks:

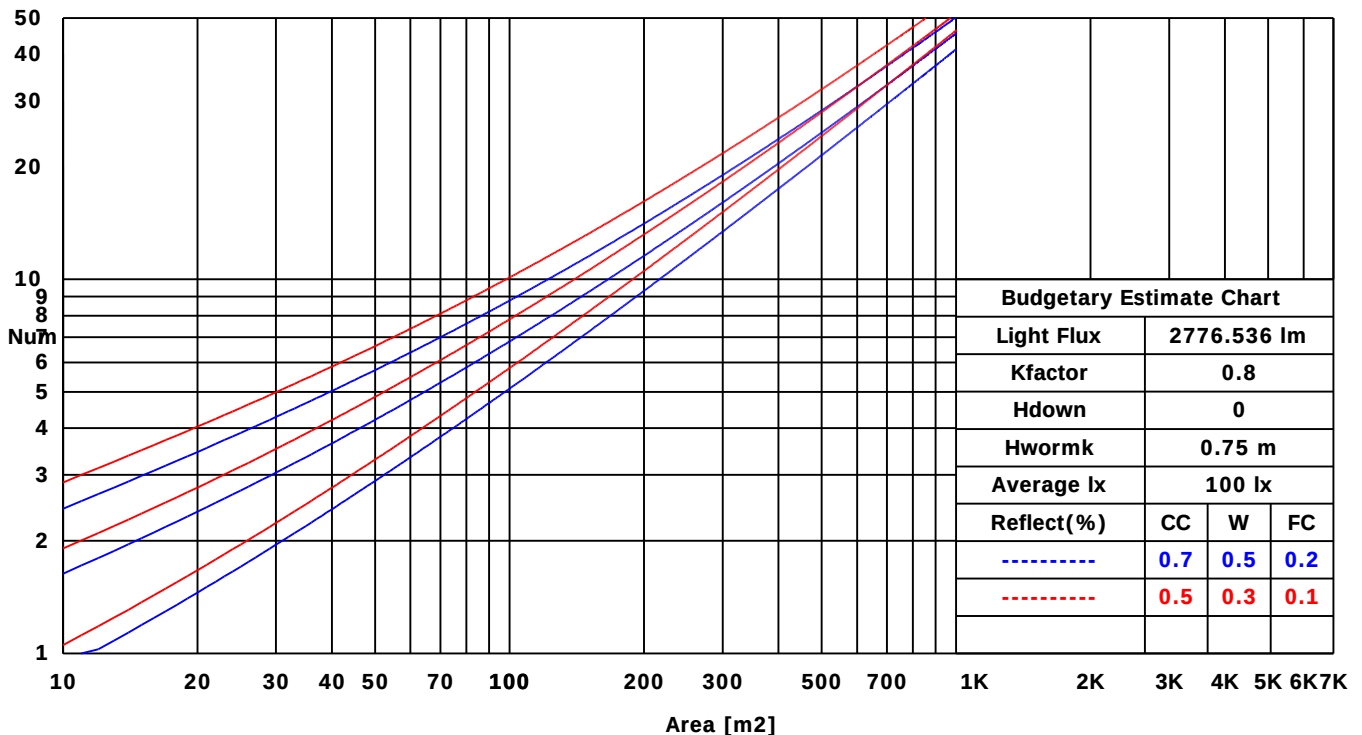
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UTILIZATION FACTORS TABLE

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.17	1.17	1.17	1.15	1.15	1.15	1.09	1.09	1.09	1.05	1.05	1.05	1.00	1.00	1.00	0.98
1	1.04	1.03	1.02	1.03	1.01	1.00	0.99	0.97	0.96	0.95	0.92	0.91	0.88	0.86	0.84	0.79
2	0.89	0.86	0.85	0.88	0.85	0.83	0.86	0.82	0.80	0.82	0.79	0.76	0.78	0.74	0.71	0.66
3	0.76	0.73	0.71	0.76	0.72	0.70	0.75	0.70	0.67	0.72	0.68	0.64	0.69	0.64	0.60	0.56
4	0.66	0.63	0.61	0.66	0.62	0.60	0.66	0.61	0.57	0.64	0.59	0.55	0.62	0.56	0.51	0.47
5	0.57	0.55	0.53	0.58	0.54	0.52	0.58	0.53	0.50	0.57	0.52	0.47	0.56	0.50	0.45	0.41
6	0.51	0.48	0.46	0.51	0.48	0.45	0.52	0.47	0.43	0.52	0.46	0.42	0.51	0.45	0.39	0.36
7	0.45	0.42	0.41	0.46	0.42	0.40	0.47	0.42	0.38	0.47	0.41	0.37	0.47	0.40	0.35	0.32
8	0.40	0.38	0.36	0.41	0.38	0.36	0.42	0.38	0.34	0.43	0.37	0.33	0.43	0.36	0.31	0.28
9	0.37	0.34	0.33	0.37	0.34	0.32	0.39	0.34	0.31	0.39	0.34	0.30	0.40	0.33	0.28	0.25
10	0.33	0.31	0.30	0.34	0.31	0.29	0.36	0.31	0.28	0.36	0.31	0.27	0.37	0.30	0.26	0.23

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

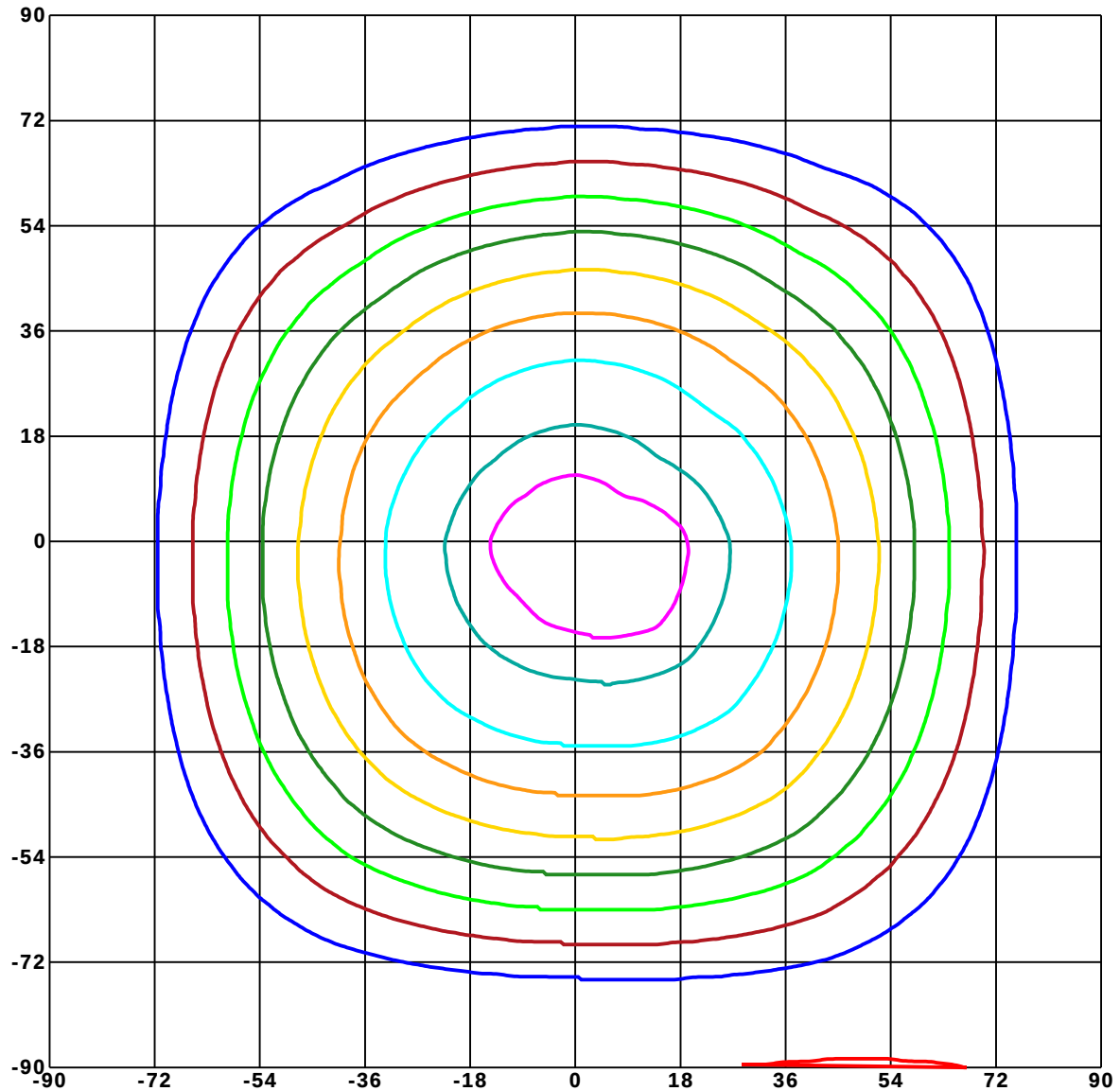
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd Imax(100%): 1005.586 cd

955.307(95%Imax)
905.027(90%Imax)
804.469(80%Imax)
703.91(70%Imax)
603.352(60%Imax)

502.793(50%Imax)
402.234(40%Imax)
301.676(30%Imax)
201.117(20%Imax)
100.559(10%Imax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

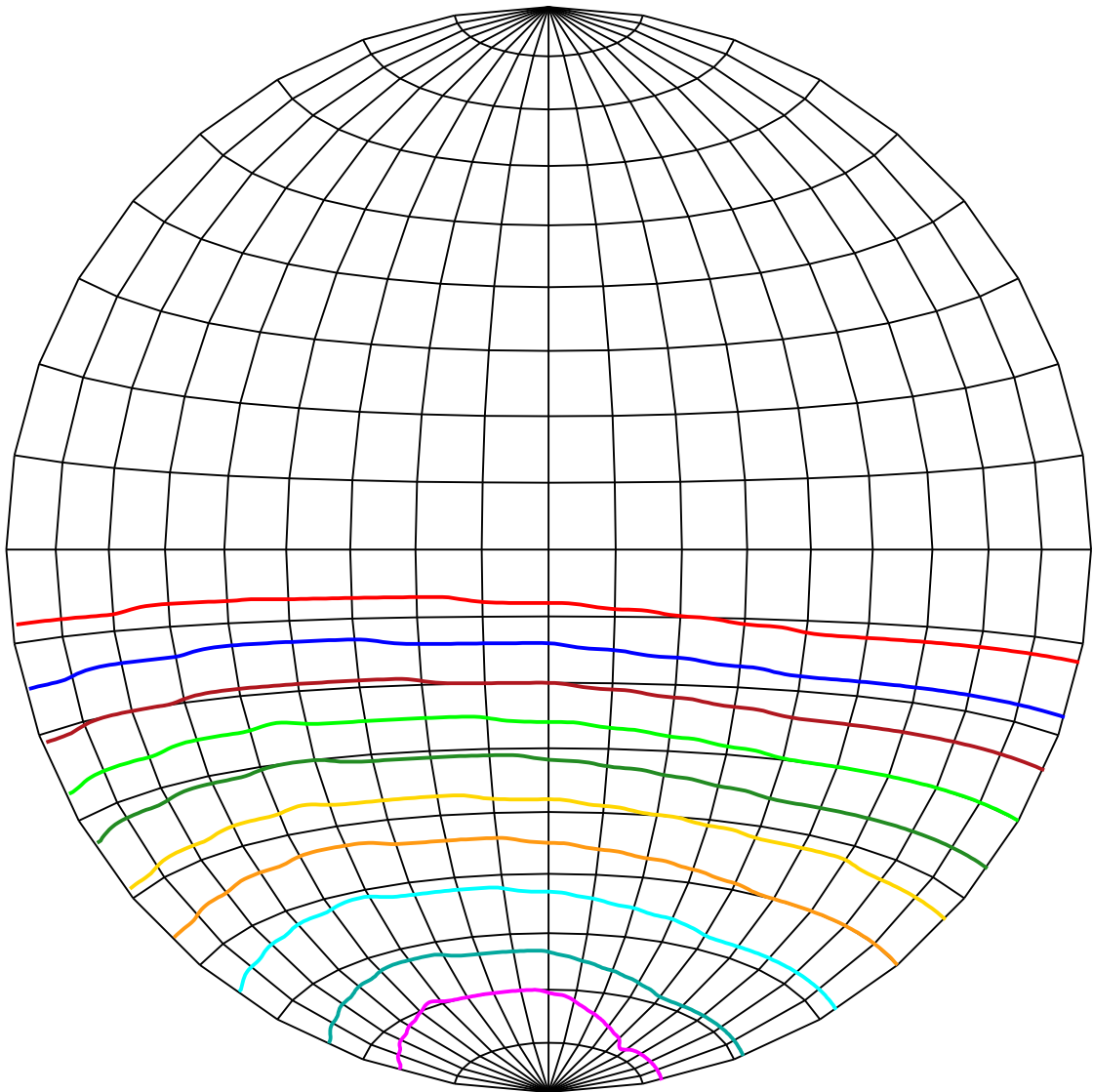
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd Imax(100%): 1005.586 cd

955.307(95%Imax)	502.793(50%Imax)
905.027(90%Imax)	402.234(40%Imax)
804.469(80%Imax)	301.676(30%Imax)
703.91(70%Imax)	201.117(20%Imax)
603.352(60%Imax)	100.559(10%Imax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

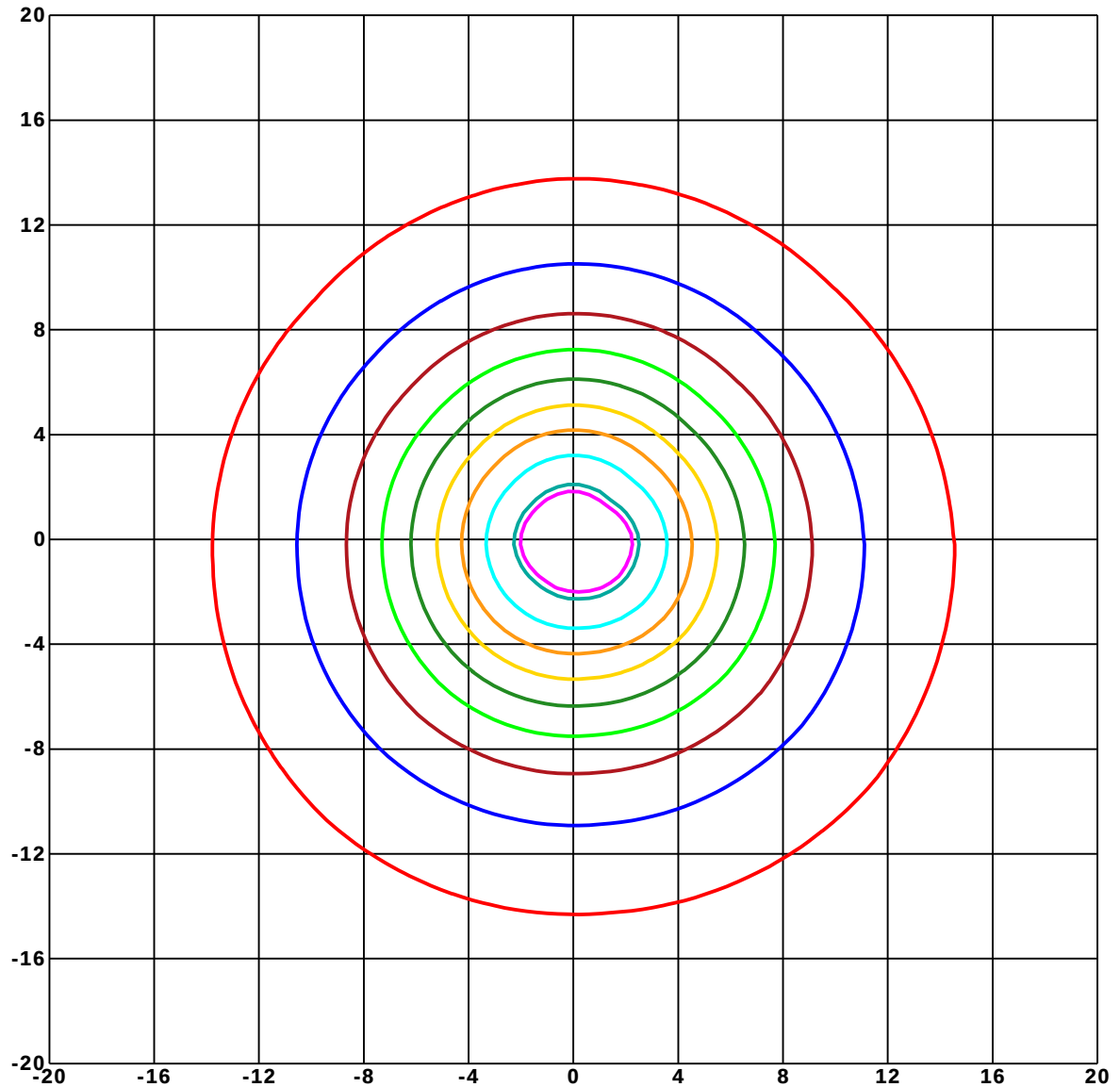
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

ISOLX DIAGRAM



Unit of illumination:lx Height of plane:10.0(m)/32.81(ft)

9.234(92%Emax)	5.019(50%Emax)
9.033(90%Emax)	4.015(40%Emax)
8.03(80%Emax)	3.011(30%Emax)
7.026(70%Emax)	2.007(20%Emax)
6.022(60%Emax)	1.004(10%Emax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

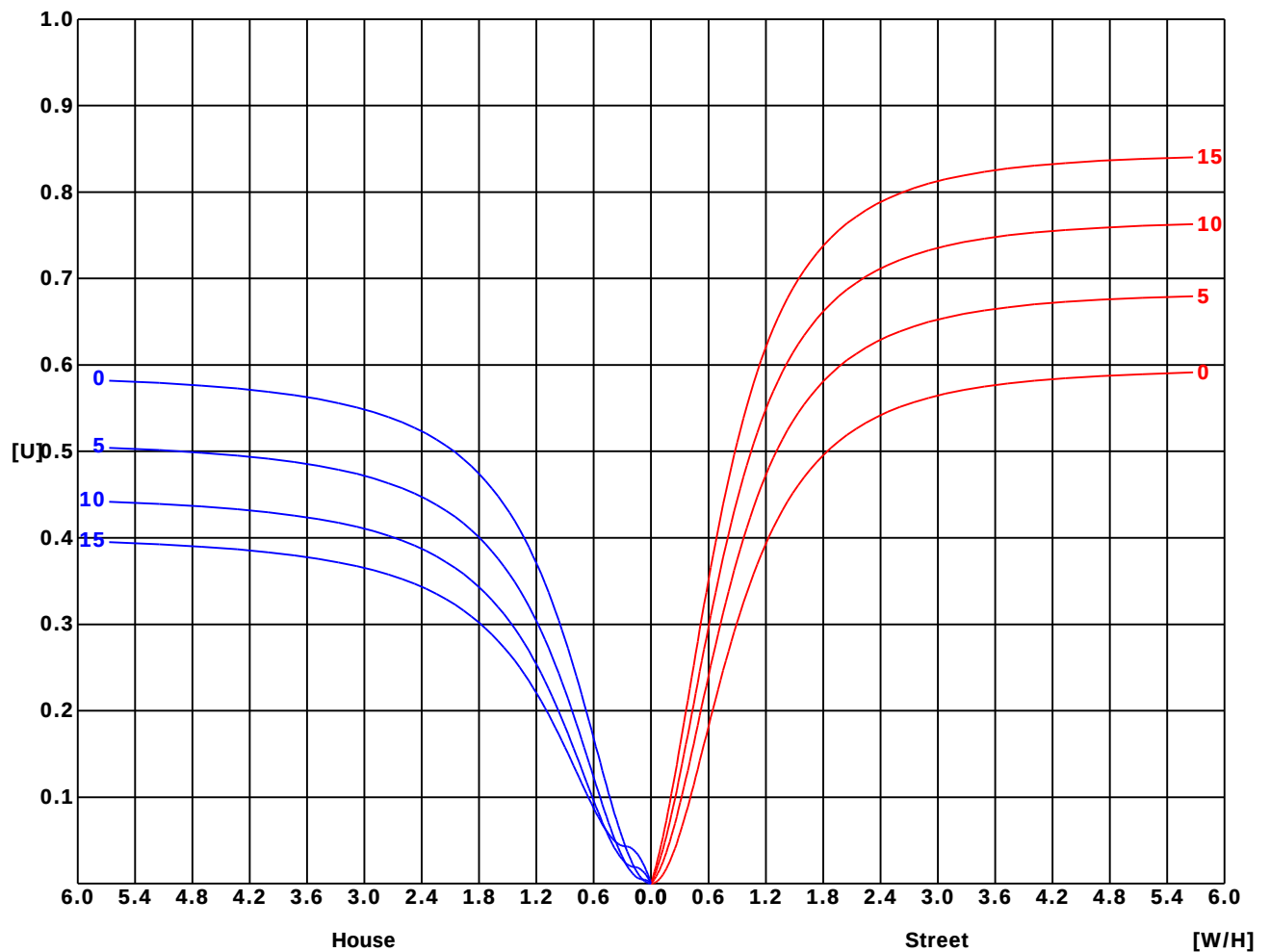
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2024/7/18 17:42:22

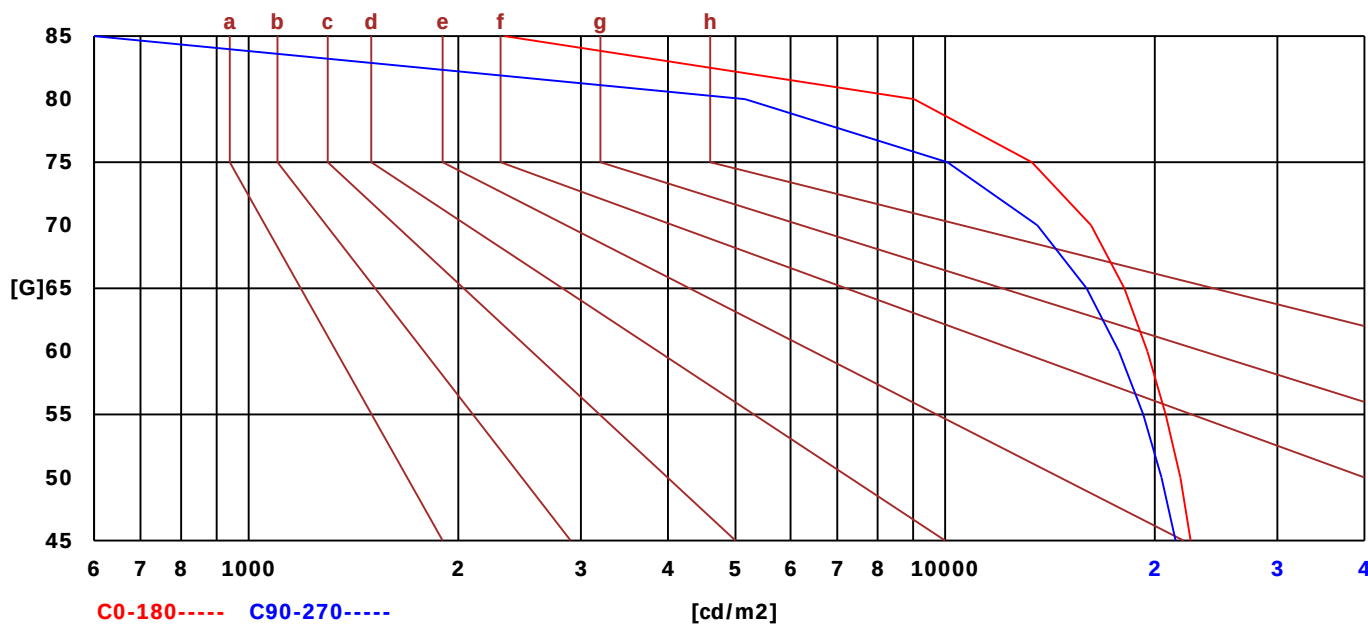
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-2000B Goniophotometer
Humidity:
Test Distance: 6.25 m
Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	22525	21774	20720	19527	18093	16201	13315	9026	2331
C90	21430	20448	19244	17771	15967	13565	10071	5163	0
Dazzle	Quality	Illuminance	---	---	---	---	---	---	---
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
---	---	a	b	c	d	e	f	g	h



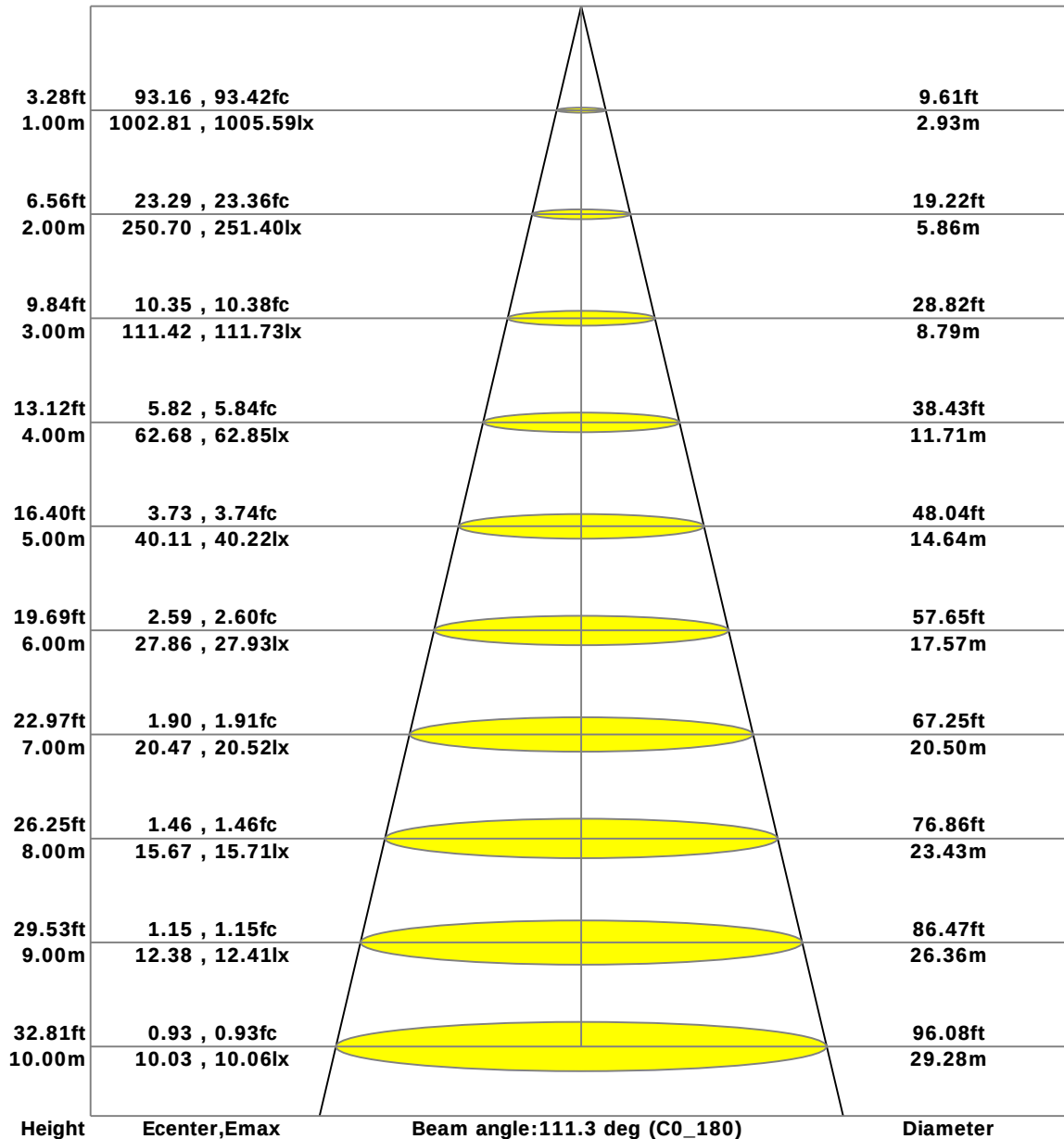
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature:
 Operators:
 Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity:
 Test Distance: 6.25 m
 Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

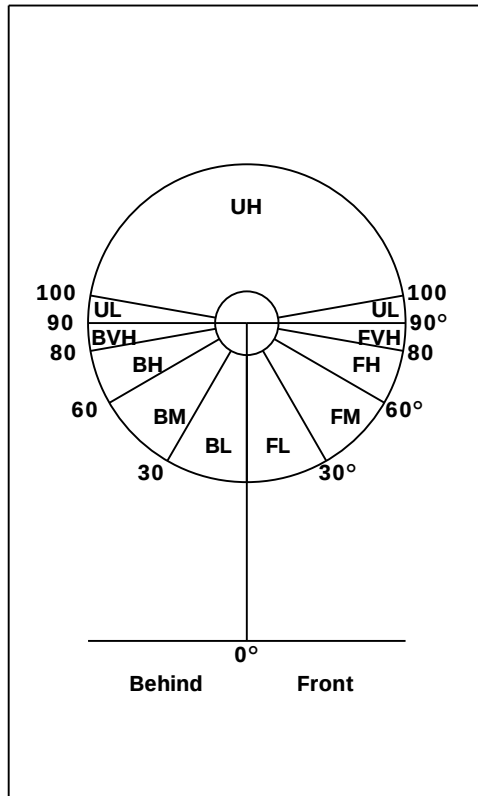
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	1313.4	47.3
FL (0°-30°)	380.5	13.7
FM (30°-60°)	696.7	25.1
FH (60°-80°)	225.4	8.1
FVH (80°-90°)	10.8	0.4

Behind	1463.1	52.7
BL (0°-30°)	390.6	14.1
BM (30°-60°)	756.8	27.3
BH (60°-80°)	284.5	10.2
BVH (80°-90°)	31.3	1.1

Above	0.0	0.0
UL (90°-100°)	0.0	0.0
UH (100°-180°)	0.0	0.0

Limit Light	NA	NA
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BUG Class(TM-15-07)	
Asymmetric Lighting Fixtures (Type I , II , III , IV)	B1 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B1 U0 G1

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

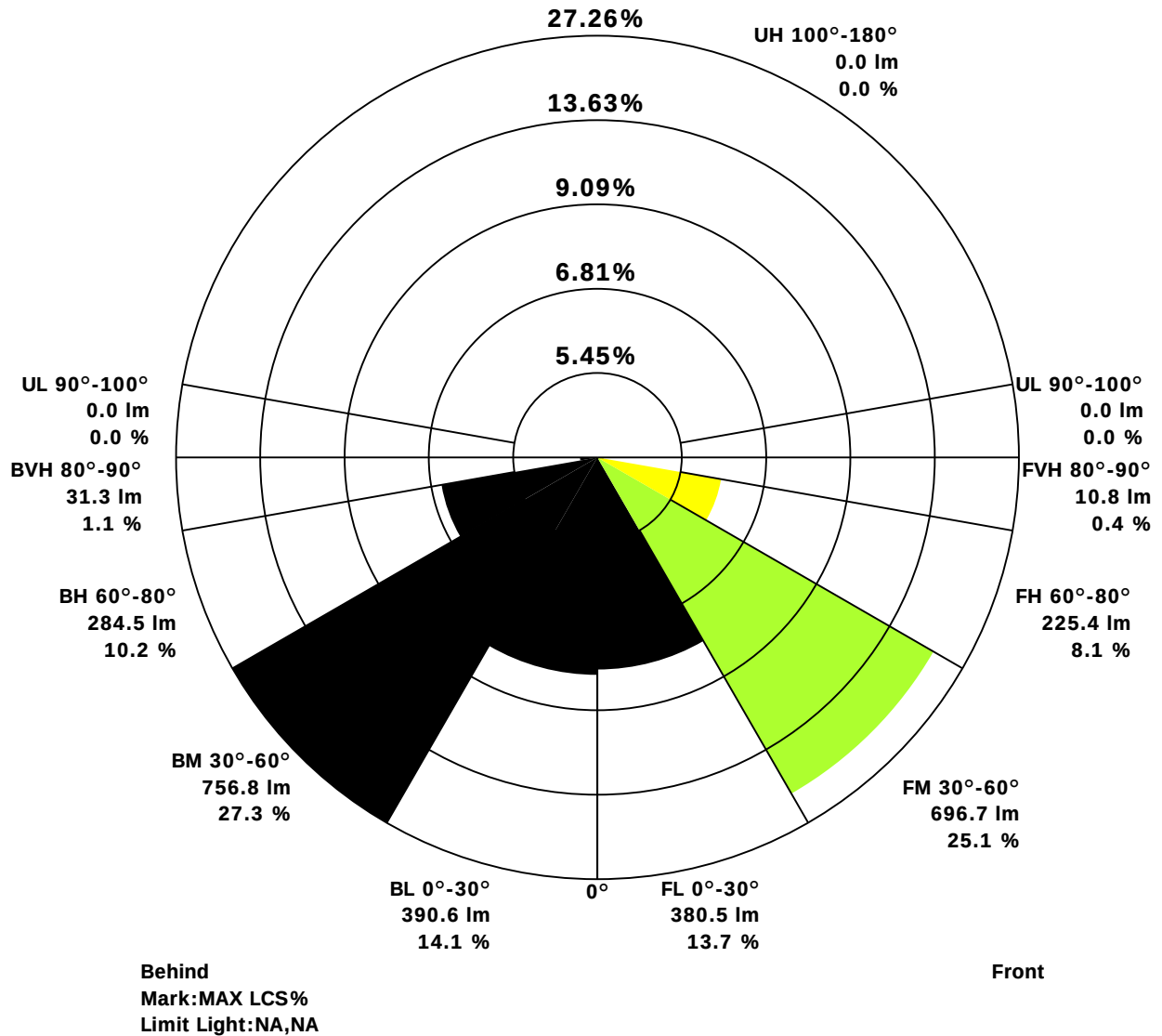
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

LCS 图



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

UGR(Unified Glare Rating) TABLE

RHOCC		70	70	50	50	30	70	70	50	50	30
RHOW		50	30	50	30	30	50	30	50	30	30
RHOF		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewed Endwise					Viewed Crosswise				
2H	2H	24.67	25.41	24.45	25.47	25.60	24.24	24.98	24.02	25.04	25.17
	3H	24.38	25.06	24.23	25.17	25.36	24.00	24.68	23.85	24.79	24.97
	4H	24.18	24.82	24.08	24.96	25.18	23.81	24.46	23.71	24.59	24.81
	6H	23.95	24.55	23.89	24.72	24.98	23.59	24.19	23.53	24.36	24.62
	8H	23.83	24.41	23.80	24.59	24.87	23.47	24.05	23.44	24.23	24.51
	12H	23.70	24.27	23.70	24.46	24.76	23.34	23.91	23.34	24.10	24.40
4H	2H	26.65	27.29	26.55	27.43	27.65	25.77	26.42	25.67	26.56	26.78
	3H	26.41	26.97	26.41	27.17	27.47	25.59	26.15	25.58	26.35	26.64
	4H	26.21	26.72	26.26	26.95	27.30	25.41	25.93	25.47	26.16	26.50
	6H	25.96	26.42	26.08	26.69	27.08	25.19	25.65	25.31	25.91	26.30
	8H	25.83	26.26	25.98	26.54	26.96	25.06	25.49	25.21	25.77	26.19
	12H	25.70	26.09	25.88	26.39	26.84	24.93	25.32	25.11	25.63	26.07
8H	4H	27.00	27.59	26.97	27.77	28.05	25.76	26.35	25.73	26.53	26.81
	6H	26.42	26.78	26.64	27.10	27.57	25.23	25.59	25.45	25.91	26.39
	8H	26.29	26.61	26.54	26.95	27.45	25.11	25.43	25.37	25.77	26.27
	12H	26.16	26.43	26.45	26.79	27.32	24.98	25.26	25.27	25.62	26.15
12H	4H	26.68	27.07	26.86	27.38	27.82	25.33	25.73	25.52	26.03	26.47
	6H	26.46	26.78	26.72	27.12	27.62	25.12	25.44	25.38	25.78	26.28

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

ZONAL LUMINOUS FLUX TABLE-1

[illegible]

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	994.1	958.3	963.1	962.4	978.1	966.4	975.2	988.0	10	93.7	93.7	3.4	3.4
20	949.3	905.5	905.9	901.4	919.9	923.8	930.4	956.1	20	268.9	362.7	13.1	13.1
30	874.1	818.8	816.1	804.7	828.8	847.9	851.3	886.3	30	408.4	771.0	27.8	27.8
40	762.9	703.8	695.6	679.8	704.0	742.3	739.1	785.5	40	492.6	1263.6	45.5	45.5
50	628.9	559.8	552.9	525.7	557.5	603.2	607.9	651.7	50	509.2	1772.8	63.8	63.8
60	468.2	390.5	389.2	355.4	390.9	442.8	448.8	492.2	60	451.7	2224.6	80.1	80.1
70	293.4	221.6	222.7	185.6	222.5	269.7	276.6	314.0	70	333.0	2557.5	92.1	92.1
80	126.4	62.7	63.9	35.9	60.4	107.5	115.0	144.3	80	176.9	2734.4	98.5	98.5
90	12.7	0.0	0.0	0.0	0.7	8.9	7.3	188.0	90	42.1	2776.5	100.0	100.0

Conical surface Flux(90deg) : 1520.7 lm

%lum = 54.8%

%lamp = 54.8%

Conical surface Flux(120deg) : 2224.6 lm

%lum = 80.1%

%lamp = 80.1%

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

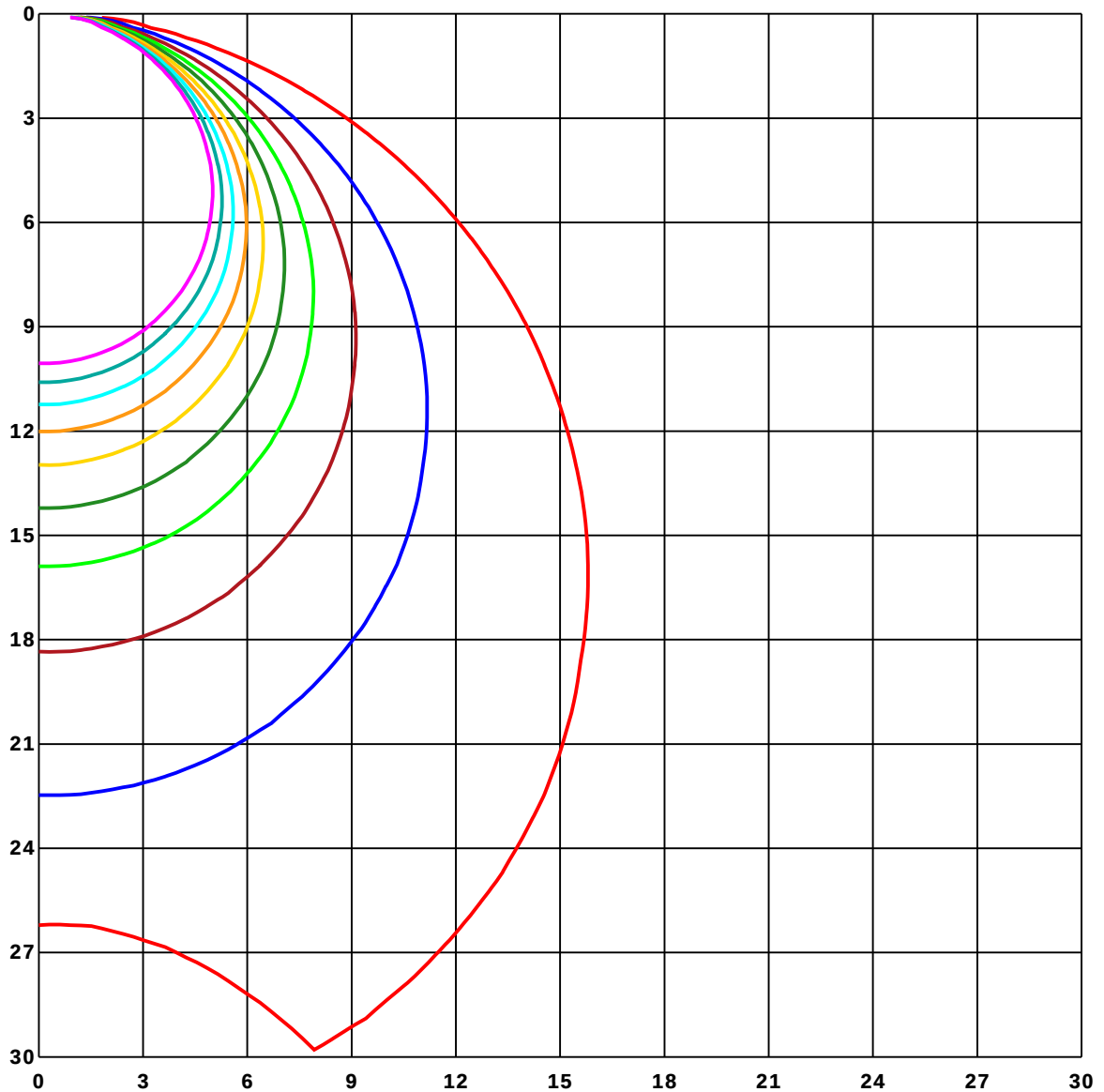
Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

SPACE ISOLX DIAGRAM



Unit of illumination:lx

9.934	4.967
8.941	3.974
7.947	2.98
6.954	1.987
5.961	0.993

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	1002.81	979.41	986.91	993.55	1002.81	979.41	986.91	993.55	1002.81	
G1	1004.1	980.35	984.77	992.81	1003.32	980.27	986.68	994.65	1004.1	
G2	1004.3	978.01	985.7	989.61	1005.55	982.89	986.02	994.69	1004.3	
G3	1005.59	976.09	982.15	986.72	1000.39	978.28	987.15	994.38	1005.59	
G4	1003.75	974.49	980.27	985.59	996.95	979.49	985.86	996.52	1003.75	
G5	1002.97	973.2	978.75	984.77	996.72	976.95	984.22	994.18	1002.97	
G6	1001.17	970.86	976.17	980.82	993.28	974.8	983.67	994.3	1001.17	
G7	1001.13	967.54	973.24	976.52	989.49	975.08	982.07	992.66	1001.13	
G8	997.97	965.98	969.96	970.55	987.38	971.56	980.12	992.77	997.97	
G9	996.56	963.32	966.37	966.99	981.56	969.14	977.85	991.17	996.56	
G10	994.14	958.32	963.09	962.38	978.13	966.41	975.2	987.97	994.14	
G11	990.59	955.08	957.46	958.2	974.41	964.77	971.52	986.64	990.59	
G12	988.16	952.11	953.59	952.34	972.42	959.57	968.87	985.12	988.16	
G13	984.65	946.84	950.04	946.76	963.28	956.29	964.53	982.77	984.65	
G14	981.48	939.92	942.81	940.9	957.85	952.93	961.13	979.53	981.48	
G15	976.6	935.35	937.97	935.39	953.55	952.07	956.05	976.56	976.6	
G16	971.99	929.92	932.15	927.62	946.88	946.95	951.29	974.65	971.99	
G17	966.99	925.43	926.02	920.9	940.63	942.03	946.72	968.2	966.99	
G18	965.0	918.05	918.95	913.91	933.36	936.52	941.13	963.63	965.0	
G19	955.94	911.64	913.55	907.85	928.59	930.86	934.57	959.53	955.94	
G20	949.34	905.55	905.9	901.45	919.92	923.83	930.35	956.09	949.34	
G21	944.22	897.89	898.52	890.9	911.76	917.62	921.76	949.3	944.22	
G22	936.91	891.13	890.82	882.5	905.94	910.94	915.51	942.66	936.91	
G23	929.26	883.98	882.19	875.08	895.66	904.73	907.66	937.97	929.26	
G24	922.7	874.65	873.79	866.02	887.11	898.71	900.2	932.07	922.7	
G25	914.61	866.84	865.12	855.35	878.83	891.13	893.13	923.4	914.61	
G26	907.62	857.93	856.64	847.27	868.95	882.66	885.7	916.29	907.62	
G27	899.1	848.67	846.52	835.86	861.05	875.2	876.21	908.95	899.1	
G28	893.36	839.84	837.93	826.6	849.14	864.96	868.48	901.25	893.36	
G29	882.27	829.41	827.19	815.86	838.91	856.84	859.77	893.28	882.27	
G30	874.06	818.79	816.13	804.73	828.83	847.85	851.33	886.25	874.06	
G31	864.22	810.08	806.48	792.23	818.4	839.77	841.21	877.07	864.22	
G32	855.27	797.27	794.18	780.66	808.16	829.06	831.41	866.99	855.27	
G33	846.64	789.18	783.83	769.37	794.77	819.18	822.42	857.85	846.64	
G34	834.61	776.48	771.56	757.89	782.66	809.06	811.21	850.2	834.61	
G35	824.49	764.1	759.53	745.63	770.31	799.3	799.57	839.34	824.49	
G36	812.7	752.5	746.64	732.03	757.7	787.58	789.18	829.34	812.7	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2024/7/18 17:42:22

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity:

Test Distance: 6.25 m

Remarks:

Report No.:

Test Time: 2024/7/18 17:42:22

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	801.52	742.19	734.14	719.69	744.84	777.15	776.33	820.2	801.52	
G38	790.27	730.59	721.33	706.6	731.05	765.12	764.14	807.62	790.27	
G39	776.88	716.72	708.28	693.32	718.63	753.91	750.98	796.45	776.88	
G40	762.89	703.75	695.59	679.8	703.98	742.27	739.1	785.51	762.89	
G41	751.91	691.52	681.76	664.92	690.7	729.88	727.89	774.84	751.91	
G42	739.69	680.08	669.69	651.21	678.24	717.62	717.19	760.98	739.69	
G43	727.73	665.7	654.69	636.64	664.14	703.98	705.43	749.18	727.73	
G44	714.61	652.3	641.29	623.95	648.44	690.08	692.46	736.99	714.61	
G45	701.41	637.11	626.76	606.13	633.32	675.78	679.88	725.9	701.41	
G46	688.63	623.71	612.97	591.02	618.48	662.27	667.19	710.47	688.63	
G47	673.83	606.8	598.48	576.05	604.96	649.77	652.23	695.66	673.83	
G48	659.57	594.45	583.79	560.04	589.34	633.67	637.38	682.3	659.57	
G49	644.61	576.25	568.32	543.55	572.97	618.36	622.81	668.13	644.61	
G50	628.91	559.84	552.89	525.74	557.54	603.16	607.93	651.68	628.91	
G51	613.55	543.59	538.2	509.02	541.37	587.77	592.85	637.34	613.55	
G52	597.46	526.72	521.76	492.81	525.74	571.76	577.73	621.29	597.46	
G53	582.93	511.91	505.39	475.51	509.84	556.76	561.6	605.86	582.93	
G54	565.86	492.7	489.06	458.36	491.88	540.59	545.78	589.53	565.86	
G55	550.0	475.39	472.81	441.52	475.43	525.63	530.12	573.01	550.0	
G56	535.16	458.87	455.59	424.06	458.67	508.4	514.69	557.89	535.16	
G57	518.44	441.91	438.91	407.46	442.42	492.62	498.36	541.25	518.44	
G58	502.03	425.23	422.23	389.8	424.57	475.59	482.42	525.35	502.03	
G59	485.27	407.7	405.59	372.7	407.81	460.63	465.63	507.73	485.27	
G60	468.16	390.55	389.18	355.43	390.9	442.81	448.75	492.19	468.16	
G61	451.48	373.52	372.11	338.01	373.91	426.33	431.8	475.08	451.48	
G62	434.18	356.64	355.35	321.13	356.84	409.45	414.65	457.15	434.18	
G63	417.62	339.06	338.28	303.52	340.12	391.84	397.34	439.41	417.62	
G64	398.67	322.66	321.6	287.03	323.01	374.34	380.04	421.48	398.67	
G65	381.33	305.86	304.84	269.92	306.33	357.23	363.48	404.65	381.33	
G66	363.75	288.91	288.71	253.16	289.65	339.06	345.35	386.88	363.75	
G67	346.17	271.56	272.19	235.98	272.66	322.03	328.24	368.01	346.17	
G68	328.63	255.27	255.86	219.41	256.17	304.57	311.21	350.27	328.63	
G69	311.17	238.75	238.98	203.24	239.53	286.64	293.48	332.23	311.17	
G70	293.36	221.64	222.7	185.59	222.46	269.73	276.64	314.02	293.36	
G71	275.78	204.3	206.09	168.71	205.55	252.77	258.87	296.56	275.78	
G72	258.52	187.58	189.34	152.27	189.53	235.51	242.38	278.95	258.52	
G73	241.88	171.29	173.52	136.13	172.3	218.83	225.35	260.86	241.88	

C Range: 0 - 360 Deg

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