

Report No.:

Test Time: 2021/9/1 14:31:40

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
 Luminaire Type: 投光灯30W
 Lamp Type:
 Luminous Width: 0 mm
 Luminous Length: 0 mm
 Luminous Height: 0 mm

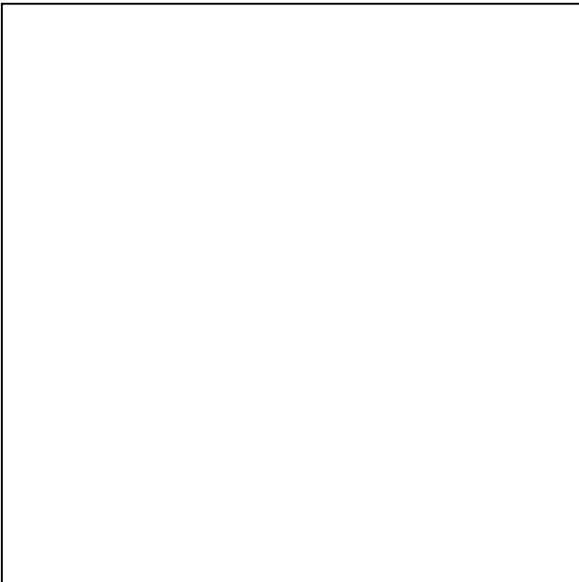
Voltage(V): 219.40 V
 Current(A): 0.1350 A
 Power(W): 29.17 W
 Power Factor: 0.9820
 Lamp Luminous Flux: 2956.05

Photometric Results

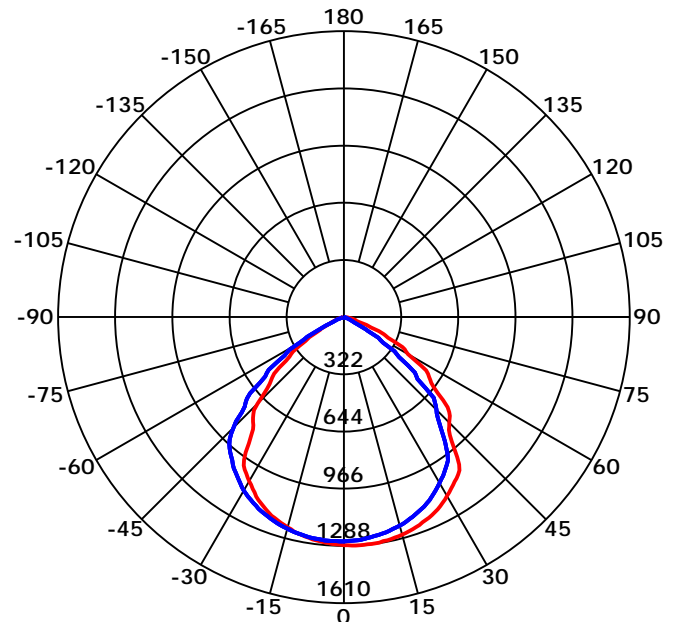
CIE Class: Direct
 Luminaire Luminous Flux: 2956.047 lm
 Downward Ratio: 100.00%
 Luminaire Efficacy Rating(LER): 101.34 lm/W
 Beam Angle(50%) C0-180,C90-270: 97.8,100.3
 Field Angle(10%) C0-180,C90-270: 134.5,125.9
 S/MH C0-180,C90-270: 1.299,1.250

Max. Intensity: 1287.78 cd
 Max.Intensity Angle: C=0 Gamma=5
 Upward Ratio: 0.00%
 Efficacy: 100.00%
 Center Intensity: 1283.91 cd
 Effective Luminous Flux: 2870.43 lm
 ERP(φ use)(120deg): 2720.31 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 97.8 deg,100.3 deg

C0-180 ——— C90-270 ———

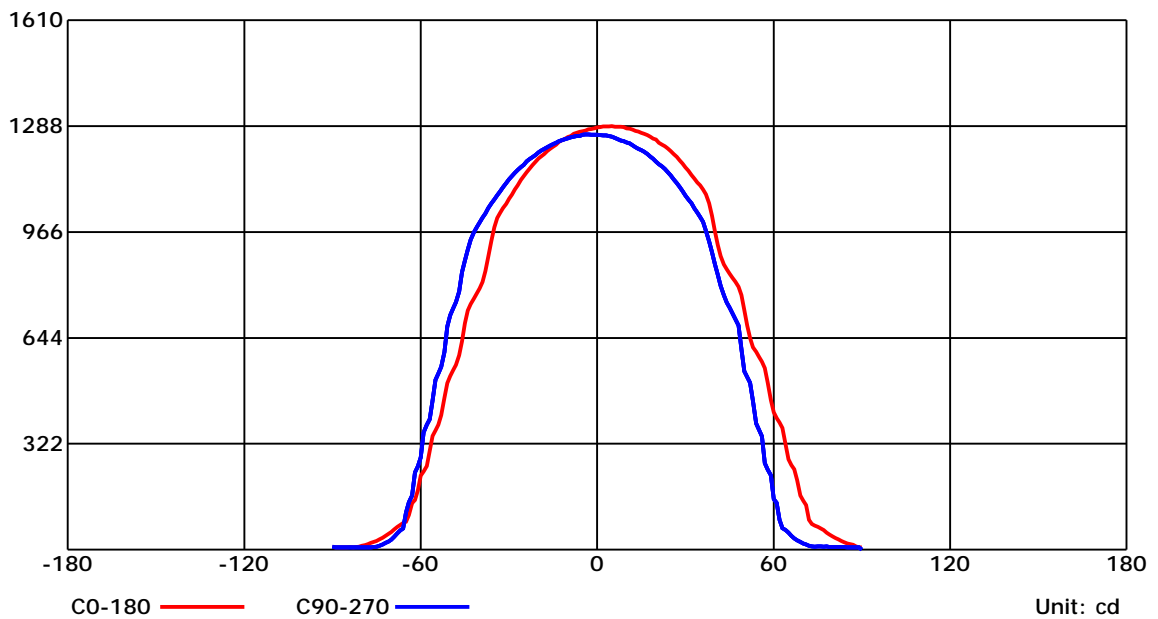
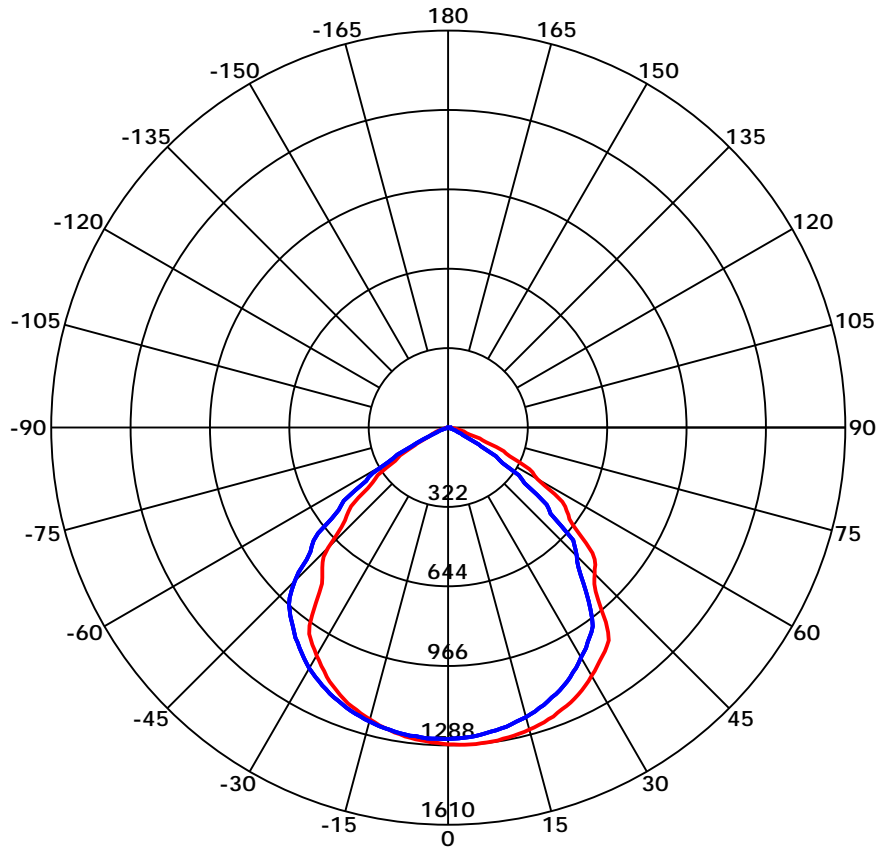
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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Luminous Intensity Distribution Curve



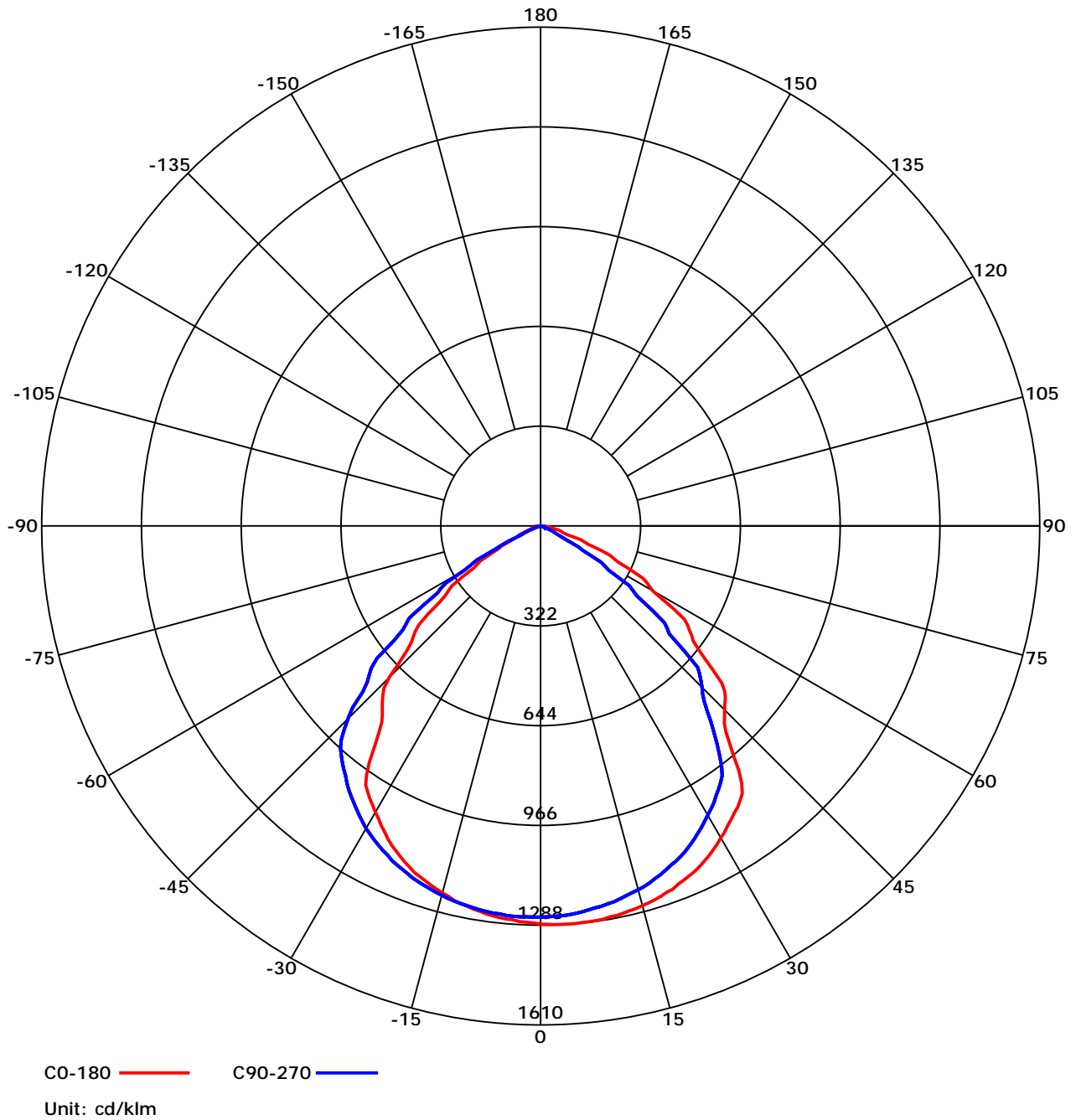
C Range: 0 - 360 Deg
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 Test Speed: High
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 Operators:
 Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
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 Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

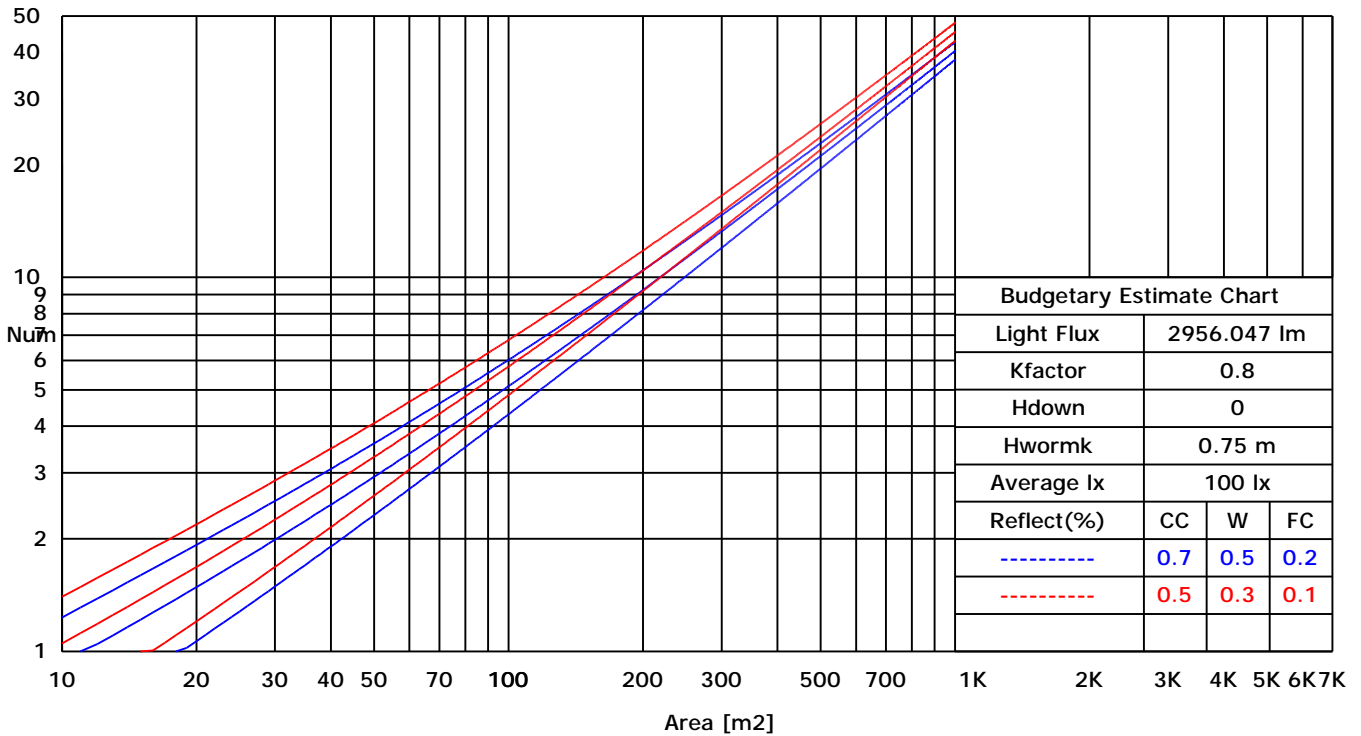
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UTILIZATION FACTORS TABLE

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	1.19	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	1.00
1	1.09	1.07	1.06	1.07	1.06	1.04	1.03	1.02	1.00	0.98	0.96	0.95	0.91	0.90	0.88	0.83
2	0.99	0.98	0.96	0.98	0.96	0.94	0.95	0.93	0.90	0.91	0.88	0.86	0.86	0.83	0.80	0.75
3	0.91	0.89	0.87	0.90	0.87	0.86	0.88	0.84	0.82	0.84	0.81	0.78	0.80	0.76	0.73	0.68
4	0.83	0.81	0.80	0.83	0.80	0.78	0.81	0.77	0.75	0.78	0.74	0.71	0.75	0.70	0.67	0.62
5	0.76	0.74	0.73	0.76	0.73	0.71	0.75	0.71	0.68	0.73	0.68	0.65	0.70	0.65	0.61	0.57
6	0.71	0.68	0.67	0.70	0.68	0.66	0.69	0.65	0.63	0.68	0.63	0.60	0.65	0.60	0.56	0.53
7	0.65	0.63	0.62	0.65	0.62	0.61	0.64	0.61	0.58	0.63	0.59	0.55	0.62	0.56	0.52	0.49
8	0.61	0.59	0.58	0.61	0.58	0.56	0.60	0.56	0.54	0.59	0.55	0.51	0.58	0.53	0.48	0.45
9	0.57	0.55	0.54	0.57	0.54	0.53	0.56	0.53	0.50	0.56	0.51	0.48	0.55	0.49	0.45	0.42
10	0.53	0.51	0.50	0.53	0.51	0.49	0.53	0.49	0.47	0.53	0.48	0.45	0.52	0.46	0.42	0.39

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



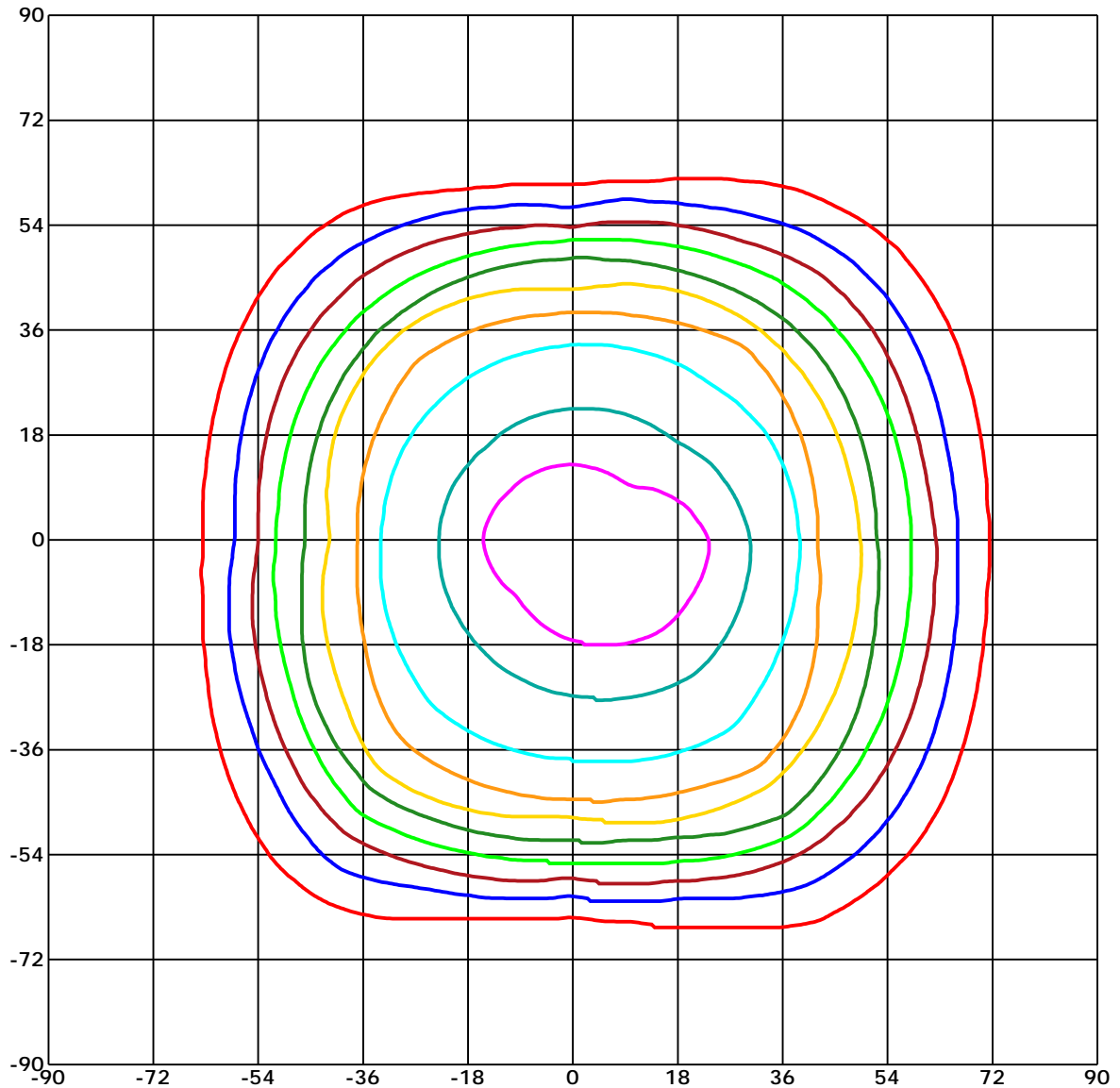
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd I_{max}(100%): 1287.782 cd

- | | |
|----------------------------------|---------------------------------|
| — 1223.393(95%I _{max}) | — 643.891(50%I _{max}) |
| — 1159.004(90%I _{max}) | — 515.113(40%I _{max}) |
| — 1030.226(80%I _{max}) | — 386.335(30%I _{max}) |
| — 901.447(70%I _{max}) | — 257.556(20%I _{max}) |
| — 772.669(60%I _{max}) | — 128.778(10%I _{max}) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.22

Operators:

Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

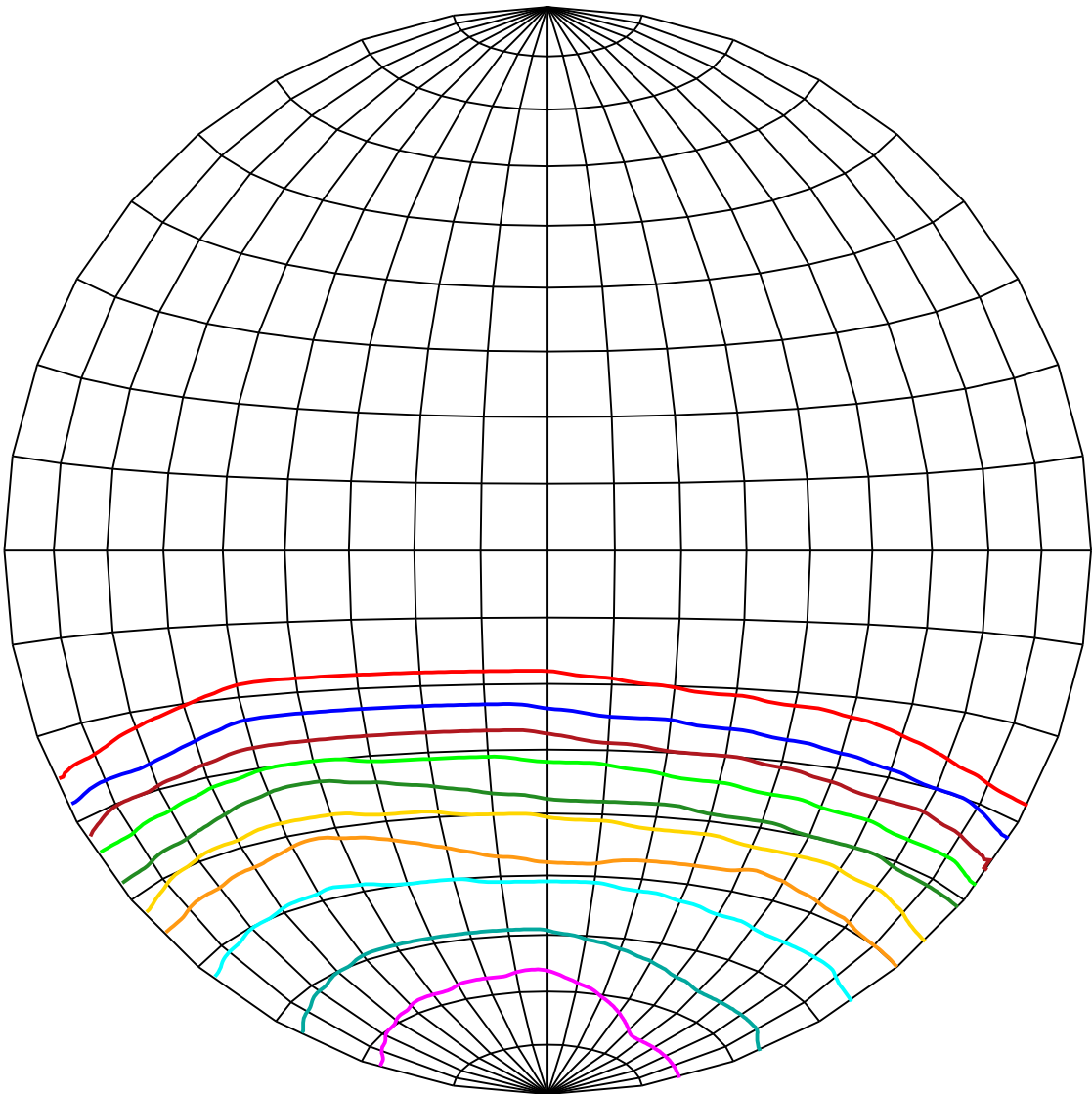
Test Distance: 6.22 m

Remarks:

Report No.:

Test Time: 2021/9/1 14:31:40

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 1287.782 cd

— 1223.393(95%I _{max})	— 643.891(50%I _{max})
— 1159.004(90%I _{max})	— 515.113(40%I _{max})
— 1030.226(80%I _{max})	— 386.335(30%I _{max})
— 901.447(70%I _{max})	— 257.556(20%I _{max})
— 772.669(60%I _{max})	— 128.778(10%I _{max})

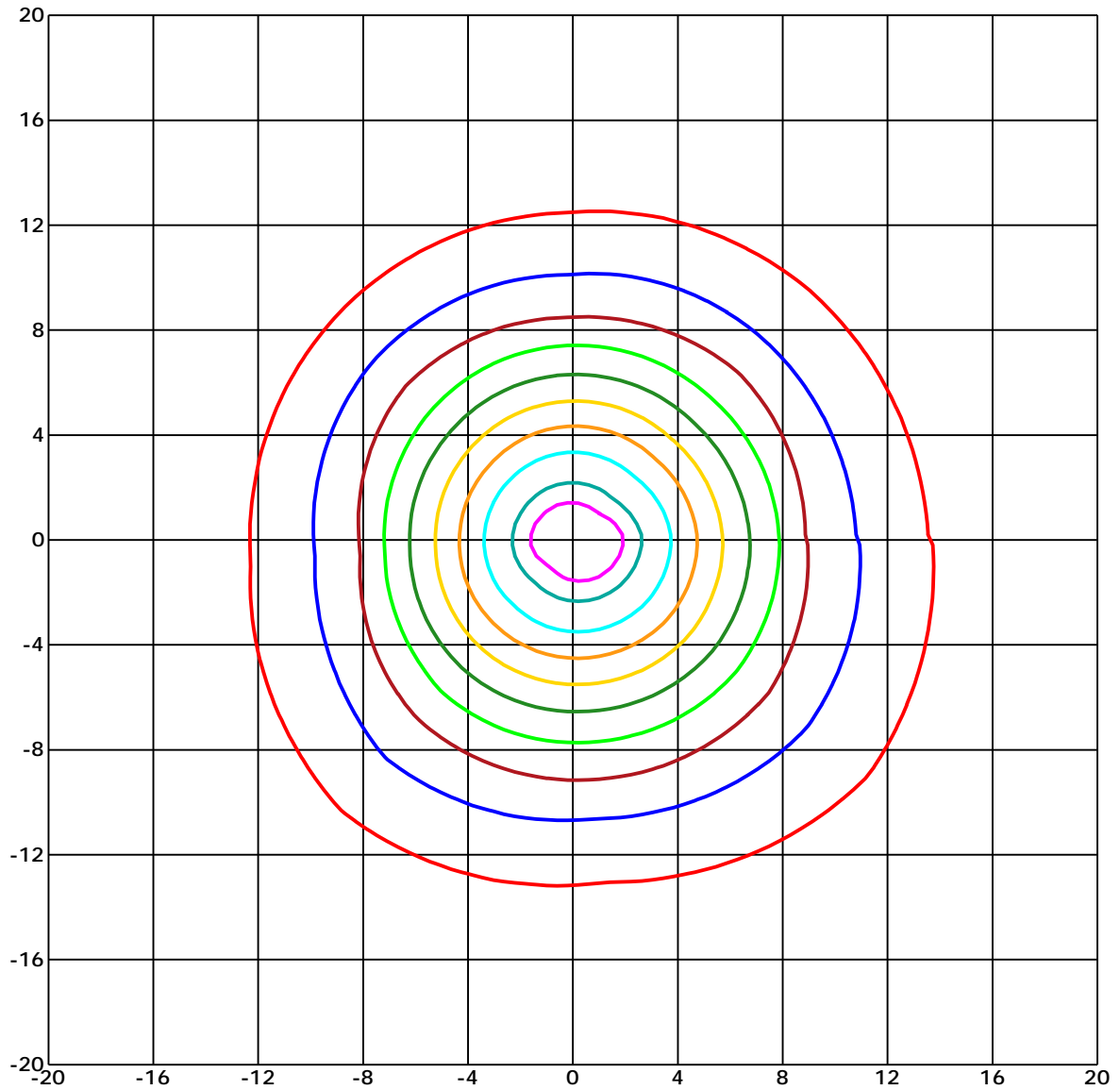
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
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ISOLX DIAGRAM



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

— 12.202(1%Emax)	— 6.422(0%Emax)
— 11.56(1%Emax)	— 5.138(0%Emax)
— 10.275(1%Emax)	— 3.853(0%Emax)
— 8.991(1%Emax)	— 2.569(0%Emax)
— 7.706(1%Emax)	— 1.284(0%Emax)

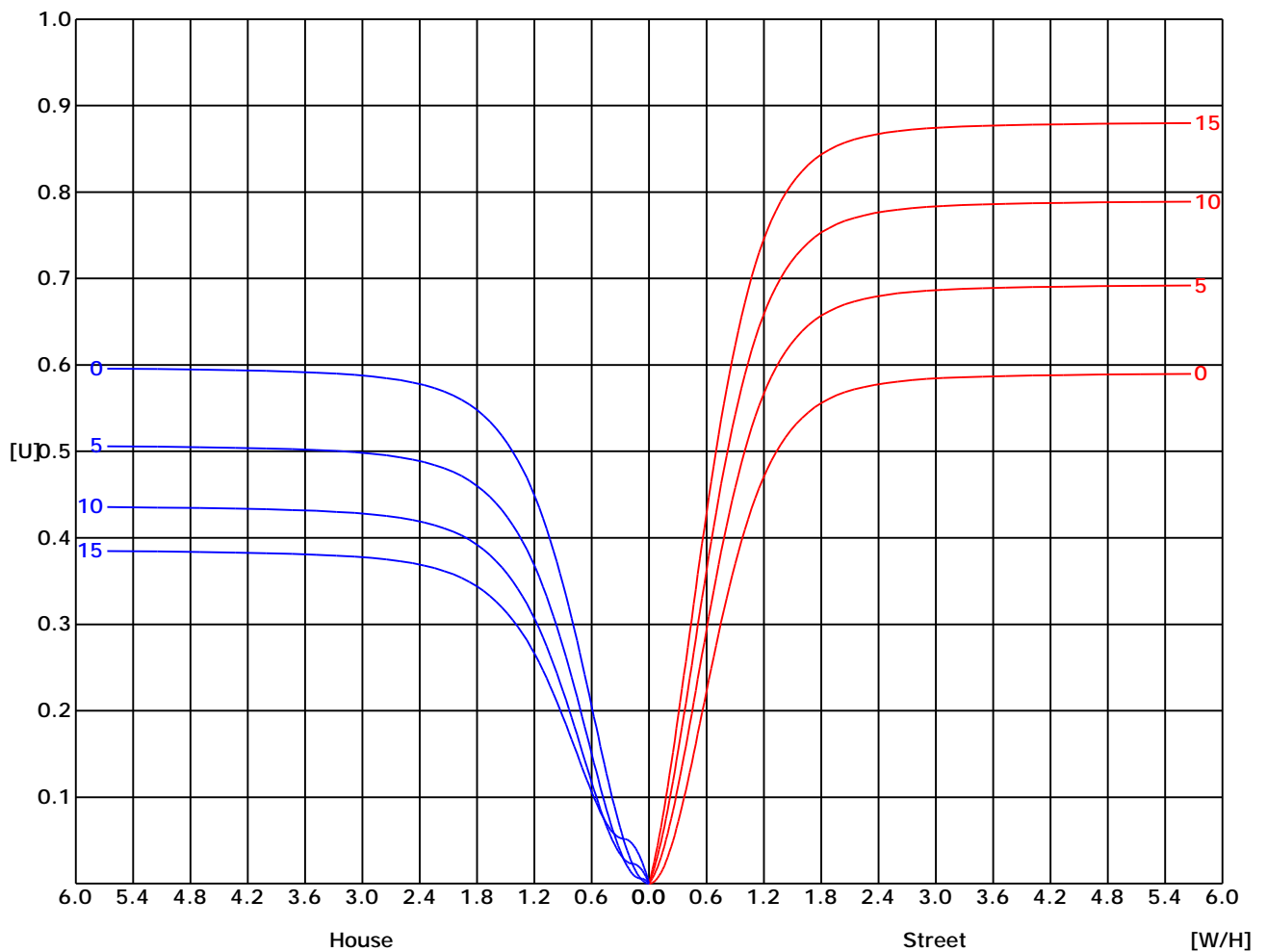
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

Report No.:

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UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:31:40

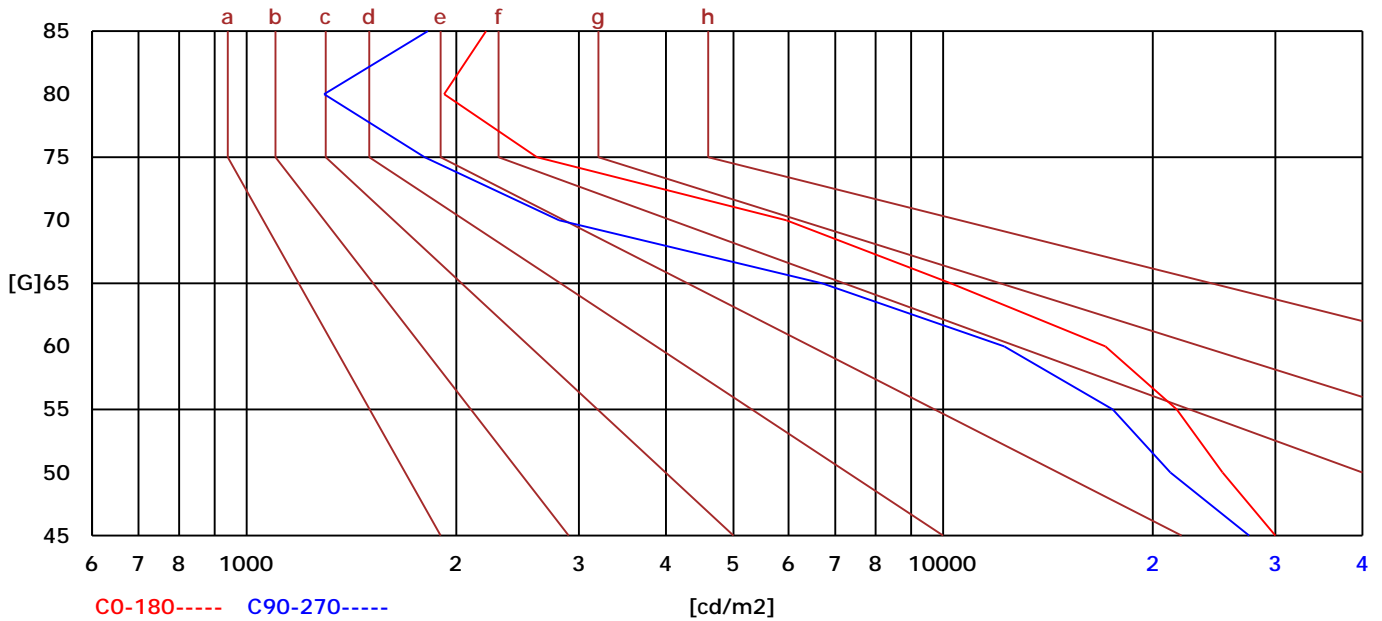
G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	29994	25174	21643	17098	10253	5953	2612	1922	2208
C90	27511	21188	17529	12235	6703	2811	1801	1292	1820
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



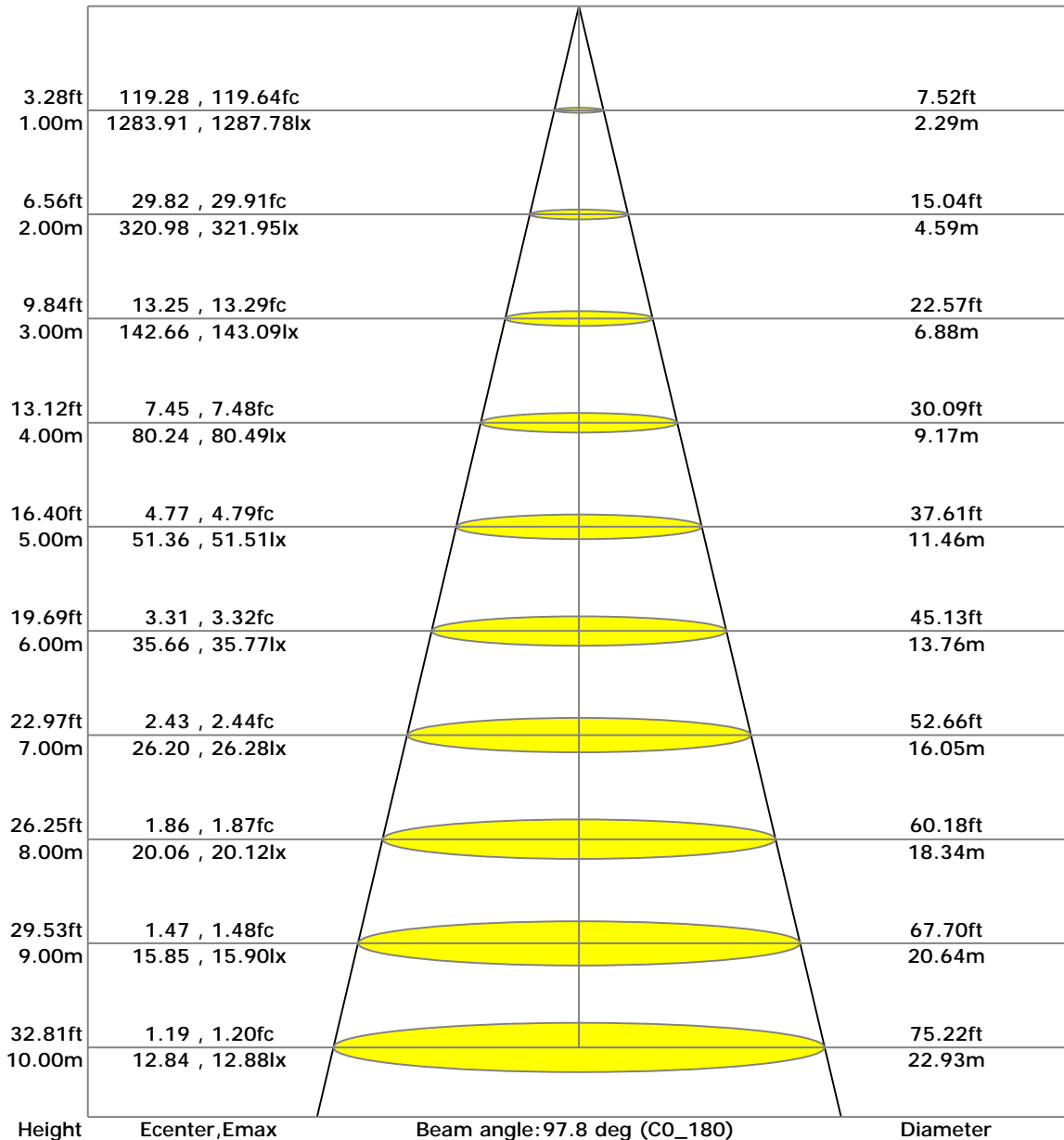
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 6.22
 Operators:
 Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1800B Goniophotometer
 Humidity: 1
 Test Distance: 6.22 m
 Remarks:

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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	18.96	19.02	19.16	19.21	19.45	17.82	17.89	18.02	18.08	18.32
	3H	18.92	18.99	19.13	19.18	19.43	17.82	17.89	18.03	18.08	18.33
	4H	18.90	18.96	19.11	19.16	19.41	17.80	17.87	18.01	18.06	18.31
	6H	18.87	18.93	19.09	19.13	19.38	17.78	17.84	17.99	18.04	18.29
	8H	18.86	18.92	19.08	19.12	19.37	17.76	17.82	17.98	18.03	18.28
	12H	18.84	18.90	19.06	19.11	19.36	17.75	17.81	17.97	18.01	18.27
4H	2H	19.72	19.78	19.93	19.98	20.23	17.93	17.99	18.14	18.19	18.44
	3H	19.69	19.75	19.91	19.95	20.21	17.94	18.00	18.16	18.21	18.46
	4H	19.66	19.72	19.89	19.93	20.19	17.92	17.98	18.15	18.19	18.45
	6H	19.63	19.68	19.87	19.90	20.17	17.89	17.95	18.13	18.17	18.43
	8H	19.61	19.66	19.85	19.89	20.16	17.88	17.93	18.12	18.15	18.42
	12H	19.59	19.64	19.84	19.87	20.14	17.86	17.91	18.11	18.14	18.41
8H	4H	19.80	19.86	20.02	20.06	20.32	17.91	17.97	18.12	18.17	18.42
	6H	19.74	19.78	19.99	20.02	20.29	17.87	17.92	18.13	18.16	18.43
	8H	19.72	19.76	19.98	20.01	20.28	17.86	17.90	18.12	18.14	18.42
	12H	19.70	19.74	19.97	19.99	20.27	17.84	17.88	18.11	18.13	18.41
12H	4H	19.79	19.84	20.04	20.07	20.34	17.89	17.94	18.14	18.17	18.44
	6H	19.77	19.81	20.03	20.05	20.33	17.87	17.91	18.13	18.16	18.43

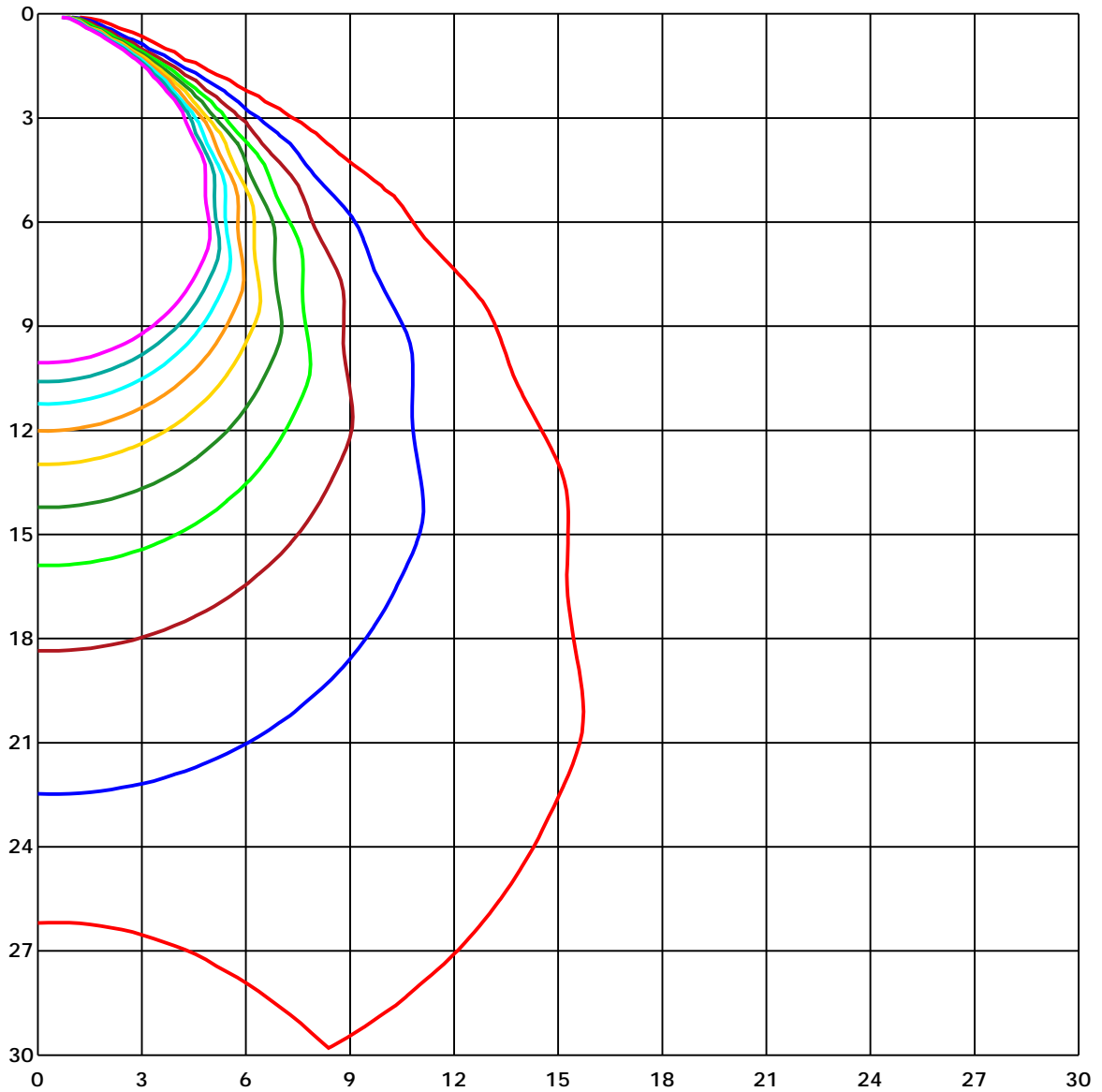
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
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 Humidity: 1
 Test Distance: 6.22 m
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|----------|---------|
| — 12.714 | — 6.357 |
| — 11.443 | — 5.086 |
| — 10.171 | — 3.814 |
| — 8.9 | — 2.543 |
| — 7.628 | — 1.271 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.22

Operators:

Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.22 m

Remarks:

Report No.:

Test Time: 2021/9/1 14:31:40

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma/C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	1283.91	1253.0	1261.75	1270.84	1283.91	1253.0	1261.75	1270.84	1283.91	
G1	1285.0	1253.58	1261.01	1269.29	1281.28	1253.31	1261.94	1272.27	1285.0	
G2	1286.66	1252.89	1260.0	1268.32	1279.08	1252.73	1261.98	1272.73	1286.66	
G3	1287.12	1253.31	1259.15	1265.85	1277.88	1250.22	1262.67	1274.24	1287.12	
G4	1287.2	1251.69	1257.76	1264.18	1273.82	1248.59	1262.29	1272.42	1287.2	
G5	1287.78	1250.56	1255.32	1259.77	1272.5	1245.84	1261.2	1270.68	1287.78	
G6	1286.2	1247.86	1252.23	1258.84	1270.26	1244.57	1257.92	1272.15	1286.2	
G7	1285.89	1246.27	1248.4	1254.28	1266.97	1241.94	1258.03	1271.03	1285.89	
G8	1285.77	1245.23	1244.49	1250.84	1264.03	1239.04	1256.02	1270.45	1285.77	
G9	1284.88	1241.4	1242.17	1247.93	1257.95	1237.37	1254.05	1268.9	1284.88	
G10	1280.63	1238.11	1238.26	1242.28	1254.82	1233.58	1250.91	1267.08	1280.63	
G11	1279.81	1233.81	1235.2	1236.6	1249.02	1230.52	1247.59	1264.22	1279.81	
G12	1277.34	1230.87	1229.75	1232.26	1244.68	1228.63	1245.11	1260.97	1277.34	
G13	1273.58	1223.95	1223.6	1226.81	1239.77	1224.22	1241.7	1259.66	1273.58	
G14	1271.69	1219.03	1219.19	1220.66	1231.26	1220.93	1237.64	1254.63	1271.69	
G15	1267.35	1214.51	1215.24	1214.93	1225.34	1215.63	1233.27	1251.92	1267.35	
G16	1264.72	1209.83	1209.67	1208.36	1218.49	1209.63	1228.82	1247.59	1264.72	
G17	1260.47	1204.06	1203.29	1201.43	1211.84	1204.06	1223.56	1244.99	1260.47	
G18	1256.14	1197.83	1195.47	1194.2	1203.52	1198.64	1218.84	1240.16	1256.14	
G19	1249.79	1191.68	1188.93	1185.57	1195.94	1192.45	1213.58	1235.67	1249.79	
G20	1246.66	1187.46	1180.31	1178.49	1189.51	1187.5	1208.01	1230.91	1246.66	
G21	1237.45	1181.85	1171.95	1167.31	1179.49	1181.0	1200.58	1226.0	1237.45	
G22	1231.68	1175.35	1165.68	1156.2	1169.43	1173.19	1193.73	1219.61	1231.68	
G23	1226.38	1168.0	1157.36	1146.42	1158.1	1164.37	1187.46	1213.04	1226.38	
G24	1220.19	1159.72	1147.81	1135.7	1147.46	1158.99	1180.38	1207.81	1220.19	
G25	1212.11	1149.86	1137.56	1125.68	1136.47	1150.4	1170.48	1202.09	1212.11	
G26	1203.36	1142.04	1126.57	1116.93	1124.17	1143.86	1163.63	1196.05	1203.36	
G27	1194.66	1131.56	1114.27	1106.68	1108.15	1134.34	1154.5	1189.59	1194.66	
G28	1184.17	1121.77	1103.01	1094.88	1094.92	1126.41	1145.6	1183.4	1184.17	
G29	1174.08	1110.16	1090.32	1082.58	1079.45	1115.93	1136.01	1174.81	1174.08	
G30	1162.55	1098.33	1076.89	1068.26	1066.6	1105.02	1126.72	1165.57	1162.55	
G31	1152.22	1086.29	1065.25	1054.57	1051.63	1093.84	1114.69	1156.16	1152.22	
G32	1138.99	1073.68	1053.64	1041.26	1038.51	1083.12	1102.12	1147.54	1138.99	
G33	1128.04	1061.88	1038.2	1023.73	1024.35	1071.51	1089.66	1136.43	1128.04	
G34	1116.86	1046.83	1025.55	1006.6	1008.65	1059.71	1077.32	1126.37	1116.86	
G35	1107.46	1032.9	1011.74	989.61	980.25	1047.18	1064.82	1116.39	1107.46	
G36	1094.77	1018.24	996.38	972.63	940.4	1035.5	1053.06	1102.93	1094.77	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.22

Operators:

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G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.22 m

Remarks:

Report No.:

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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	1080.84	1002.03	969.8	953.17	890.49	1021.1	1038.32	1091.17	1080.84	
G38	1053.76	983.77	937.19	936.07	847.43	1008.8	1022.3	1076.78	1053.76	
G39	1015.03	971.0	904.19	917.84	813.81	991.24	1009.11	1063.12	1015.03	
G40	968.18	954.21	868.25	900.01	794.27	973.94	995.34	1048.88	968.18	
G41	927.05	938.0	836.52	881.94	778.87	955.1	980.33	1033.33	927.05	
G42	893.04	923.38	802.59	864.38	763.55	935.99	964.77	1019.21	893.04	
G43	867.82	905.54	773.61	847.35	746.76	917.5	942.76	1002.69	867.82	
G44	853.23	882.41	751.99	821.63	727.5	898.77	912.0	987.64	853.23	
G45	839.31	848.36	736.05	778.14	688.81	882.68	879.5	971.12	839.31	
G46	826.15	805.11	718.68	722.24	634.3	863.33	843.95	954.95	826.15	
G47	814.89	762.12	700.84	663.78	590.93	843.21	785.03	938.0	814.89	
G48	799.38	721.85	681.42	614.76	562.22	823.52	752.1	916.3	799.38	
G49	774.0	683.04	609.92	576.3	545.04	795.28	732.68	884.53	774.0	
G50	728.7	647.26	541.91	544.77	527.83	759.96	712.56	844.57	728.7	
G51	681.73	619.48	524.58	518.46	505.93	716.28	679.06	803.6	681.73	
G52	643.39	590.19	507.17	498.27	461.28	674.11	600.56	766.53	643.39	
G53	615.69	562.72	451.42	480.05	409.13	631.67	555.72	735.43	615.69	
G54	602.15	530.77	383.32	444.34	379.38	596.46	535.83	708.73	602.15	
G55	586.13	496.57	364.1	402.17	362.55	564.43	516.45	689.93	586.13	
G56	571.58	455.98	344.75	361.43	345.37	533.32	454.2	666.29	571.58	
G57	552.12	419.0	262.77	327.19	299.76	500.43	396.59	638.01	552.12	
G58	508.17	389.86	243.27	306.41	253.87	474.67	379.8	589.73	508.17	
G59	454.7	370.25	226.44	281.5	237.78	439.07	356.4	541.25	454.7	
G60	417.33	341.97	153.67	244.7	225.17	396.05	280.84	507.63	417.33	
G61	400.23	296.16	141.87	203.62	179.86	354.11	252.98	465.15	400.23	
G62	387.12	269.31	90.53	176.69	151.35	320.19	234.65	425.38	387.12	
G63	369.82	232.87	65.42	162.84	141.75	299.84	164.81	362.63	369.82	
G64	319.72	198.63	59.31	144.23	105.5	281.38	144.23	332.53	319.72	
G65	275.19	173.32	51.38	113.32	85.04	254.88	112.82	315.47	275.19	
G66	256.77	157.11	42.44	100.32	81.09	212.24	64.07	293.88	256.77	
G67	244.78	137.42	34.55	85.31	75.33	183.69	58.26	254.61	244.78	
G68	211.24	107.63	28.44	63.22	69.21	164.81	49.79	209.85	211.24	
G69	164.43	91.85	23.37	56.1	61.09	151.08	39.35	181.06	164.43	
G70	148.91	81.44	19.03	38.46	53.85	122.29	30.6	163.27	148.91	
G71	135.53	62.17	16.29	33.23	48.05	104.88	25.03	145.31	135.53	
G72	90.53	50.33	11.92	29.94	41.63	91.77	20.58	126.28	90.53	
G73	78.0	43.6	10.45	26.04	35.86	72.46	15.59	101.94	78.0	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 6.22

Operators:

Test Date: 2021/9/1 14:31:40

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity: 1

Test Distance: 6.22 m

Remarks:

