

Report No.:

Test Time: 2026/3/18 14:47:27

LUMINAIRE PHOTOMETRIC TEST REPORT

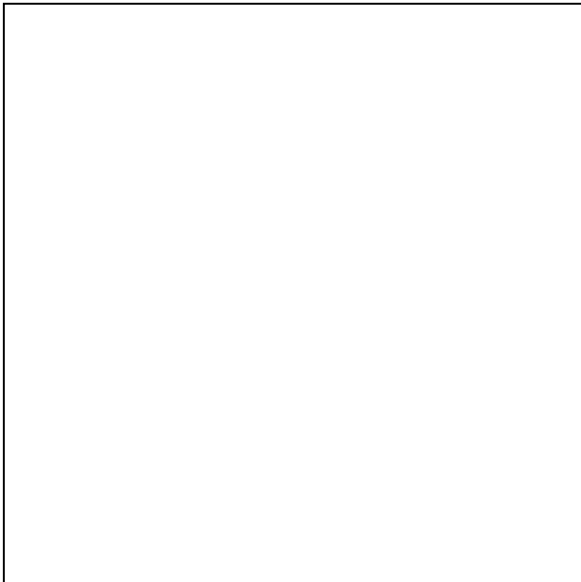
Luminaire Property

Manufacturer: 0	Voltage(V): 229.50 V
Luminaire Type: SYBAT02 4000K	Current(A): 0.1620 A
Lamp Type:	Power(W): 36.07 W
Luminous Width: 0 mm	Power Factor: 0.9650
Luminous Length: 0 mm	Lamp Luminous Flux: 4625.83
Luminous Height: 0 mm	

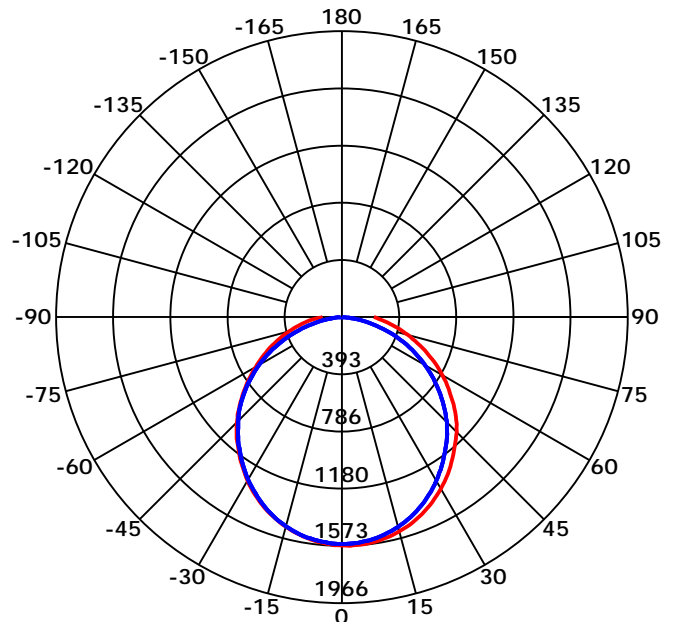
Photometric Results

CIE Class: Direct	Max. Intensity: 1572.72 cd
Luminaire Luminous Flux: 4625.829 lm	Max. Intensity Angle: C=0 Gamma=2
Downward Ratio: 100.00%	Upward Ratio: 0.00%
Luminaire Efficacy Rating(LER): 128.25 lm/W	Efficacy: 100.00%
Beam Angle(50%) C0-180,C90-270: 116.0,110.2	Center Intensity: 1571.22 cd
Field Angle(10%) C0-180,C90-270: 90.2,158.8	Effective Luminous Flux: 4572.53 lm
S/MH C0-180,C90-270: 1.250,1.202	ERP(φuse)(120deg): 3506.21 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 116.0 deg,110.2 deg

Average Beam Angle: 113.1 deg

C0-180 ——— C90-270 ———

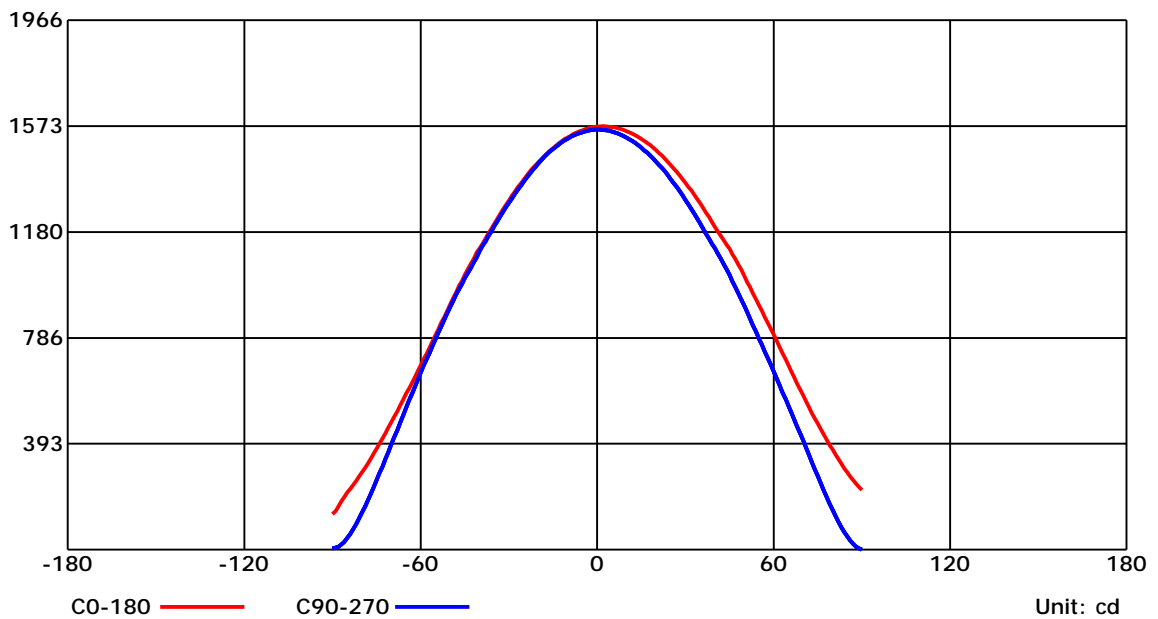
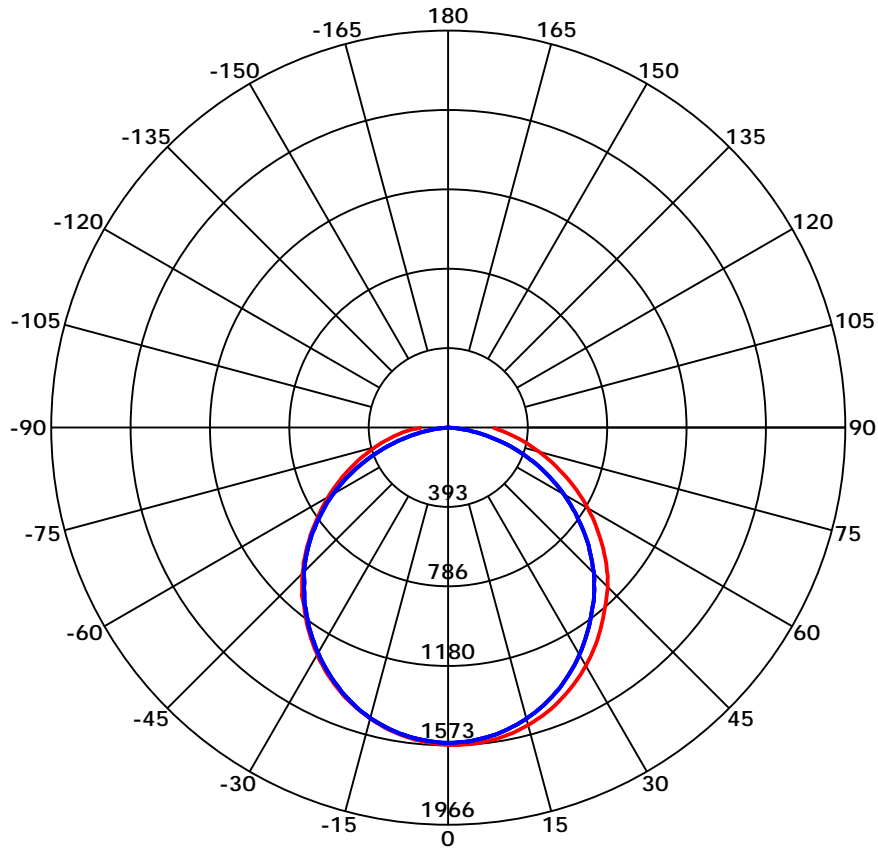
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2026/3/18 14:47:27

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.37 m
 Remarks:

Report No.:

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Luminous Intensity Distribution Curve



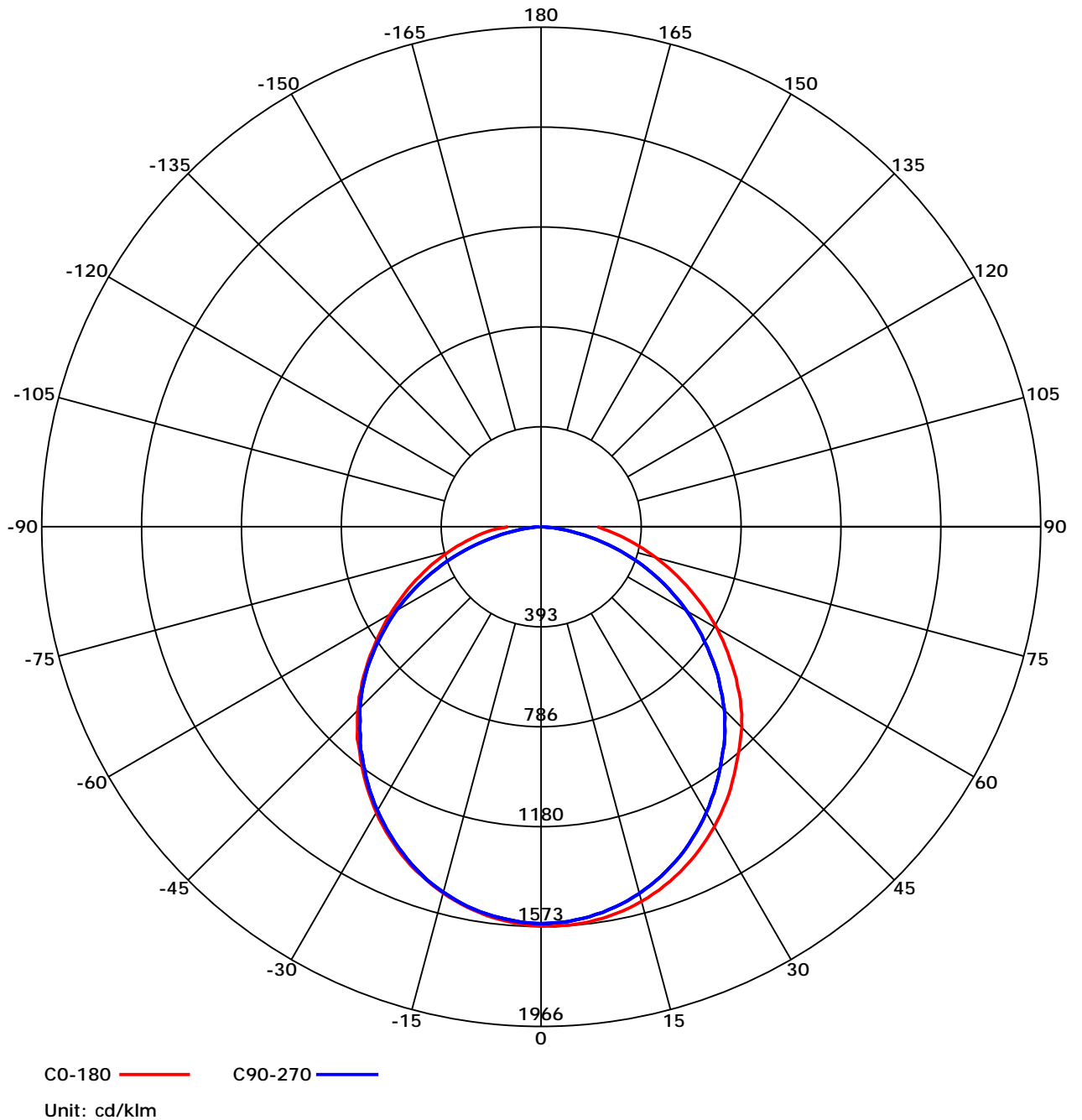
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Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 14:47:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

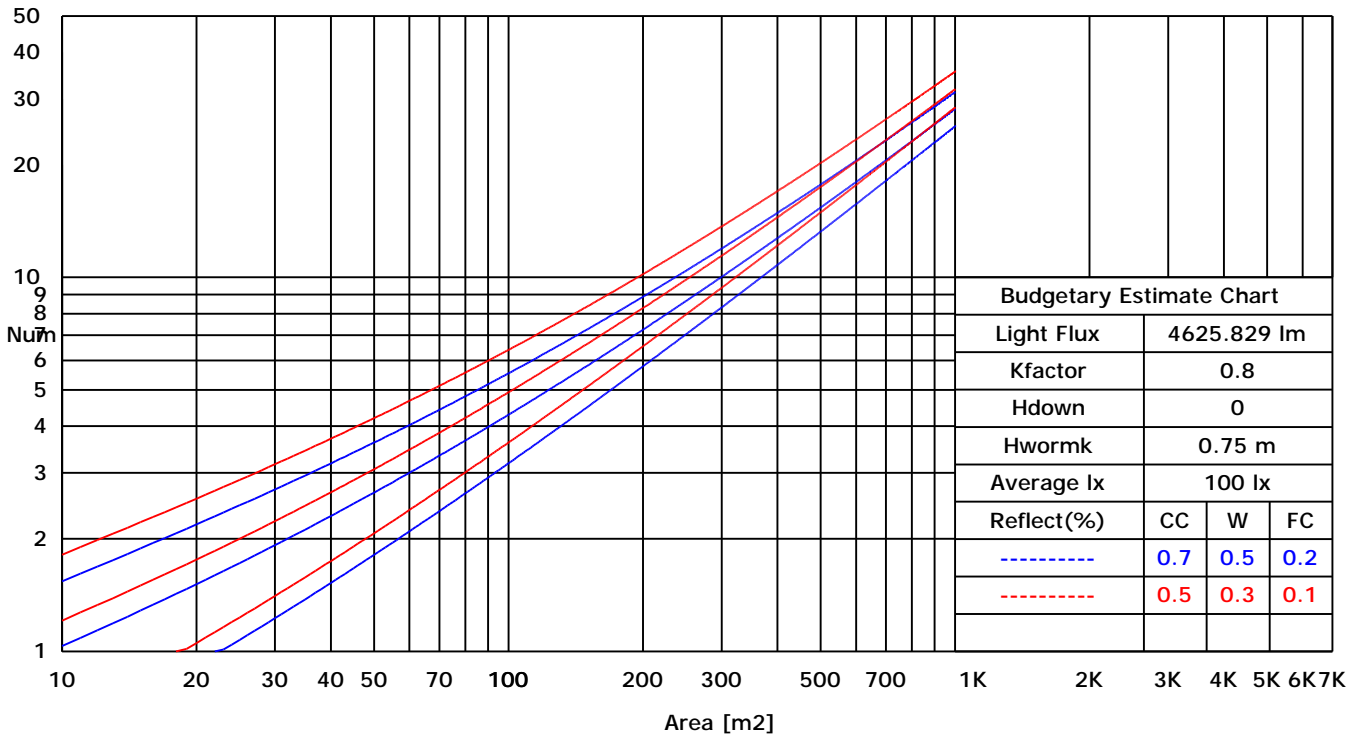
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UTILIZATION FACTORS TABLE

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	1.14	1.14	1.14	1.12	1.12	1.12	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.01	1.00	0.99	1.00	0.98	0.97	0.97	0.95	0.93	0.92	0.90	0.88	0.86	0.84	0.82	0.77
2	0.85	0.83	0.81	0.85	0.82	0.80	0.83	0.79	0.76	0.79	0.76	0.73	0.75	0.71	0.68	0.63
3	0.73	0.70	0.68	0.73	0.69	0.67	0.72	0.67	0.64	0.69	0.65	0.61	0.66	0.61	0.57	0.53
4	0.63	0.60	0.58	0.63	0.59	0.57	0.63	0.58	0.54	0.61	0.56	0.52	0.59	0.54	0.49	0.45
5	0.55	0.52	0.50	0.55	0.51	0.49	0.55	0.51	0.47	0.55	0.49	0.45	0.54	0.47	0.42	0.39
6	0.48	0.45	0.44	0.49	0.45	0.43	0.50	0.45	0.41	0.49	0.44	0.39	0.49	0.42	0.37	0.34
7	0.43	0.40	0.39	0.44	0.40	0.38	0.45	0.40	0.36	0.45	0.39	0.35	0.45	0.38	0.33	0.30
8	0.38	0.36	0.34	0.39	0.36	0.34	0.40	0.36	0.32	0.41	0.35	0.31	0.41	0.35	0.30	0.27
9	0.35	0.32	0.31	0.36	0.32	0.30	0.37	0.32	0.29	0.38	0.32	0.28	0.38	0.32	0.27	0.24
10	0.31	0.29	0.28	0.32	0.29	0.27	0.34	0.29	0.26	0.35	0.29	0.25	0.35	0.29	0.24	0.22

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 14:47:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

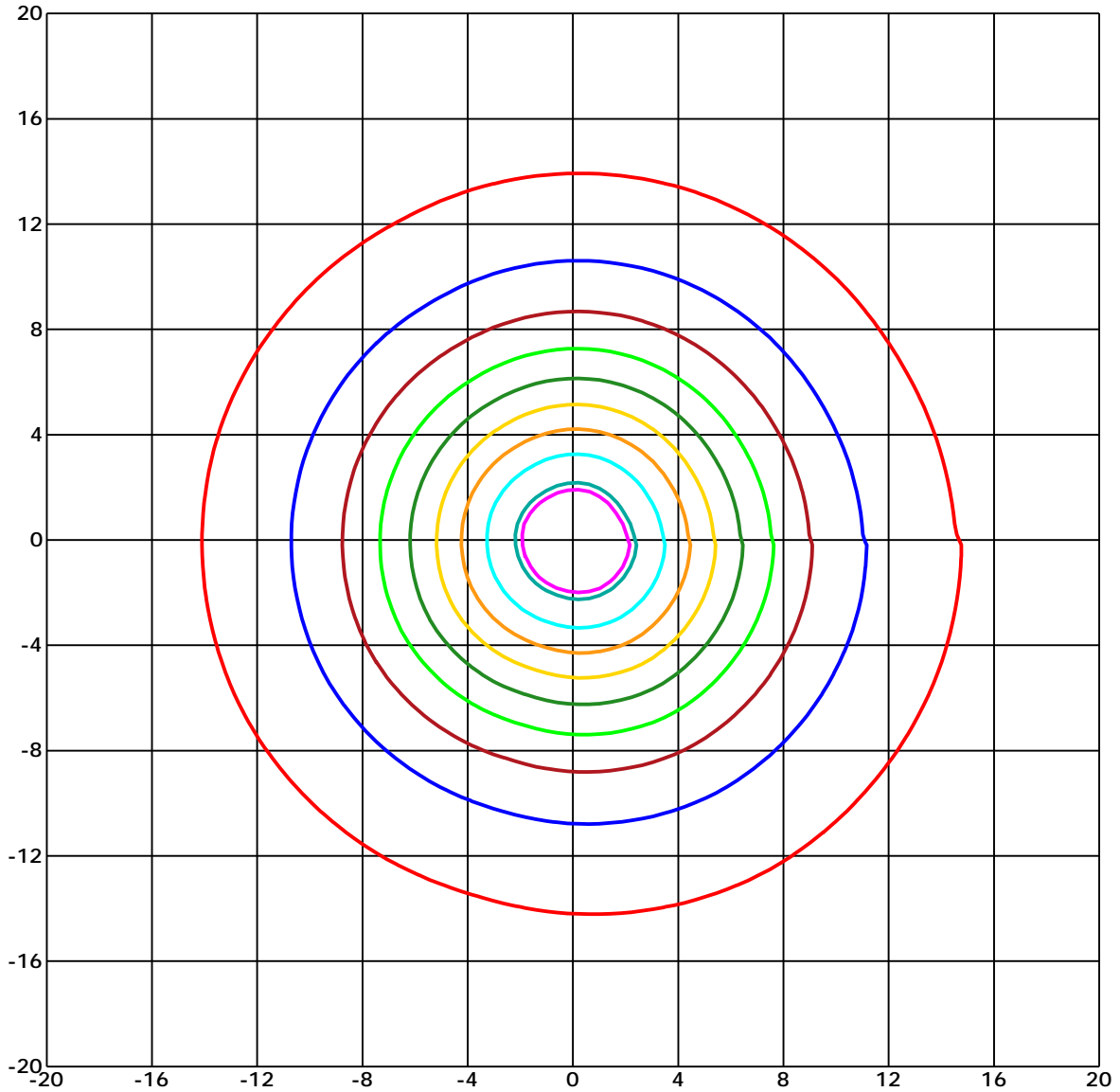
Test Distance: 6.37 m

Remarks:

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ISOLX DIAGRAM



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

- | | |
|-------------------|------------------|
| — 14.455(92%Emax) | — 7.856(50%Emax) |
| — 14.141(90%Emax) | — 6.285(40%Emax) |
| — 12.57(80%Emax) | — 4.714(30%Emax) |
| — 10.999(70%Emax) | — 3.142(20%Emax) |
| — 9.427(60%Emax) | — 1.571(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 14:47:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

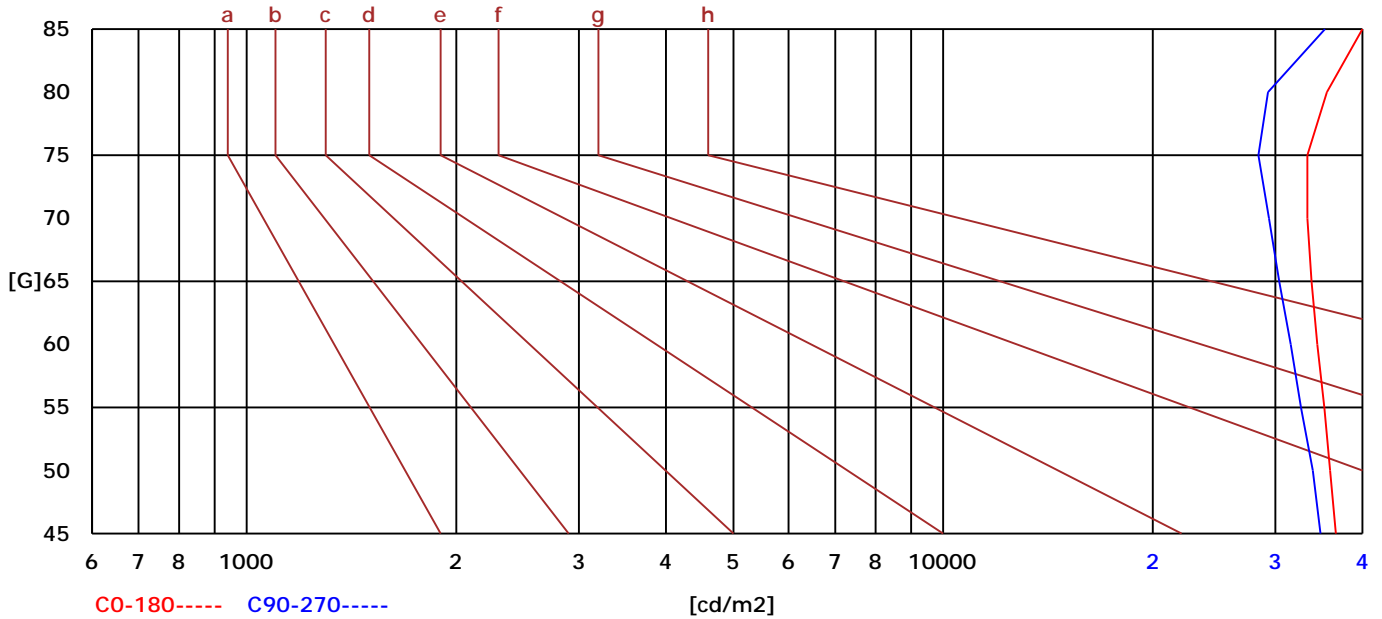
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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	36613	35932	35243	34434	33792	33349	33350	35542	45265
C90	34825	33957	32654	31547	30383	29351	28353	29256	35348
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: 25

Operators:

Test Date: 2026/3/18 14:47:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

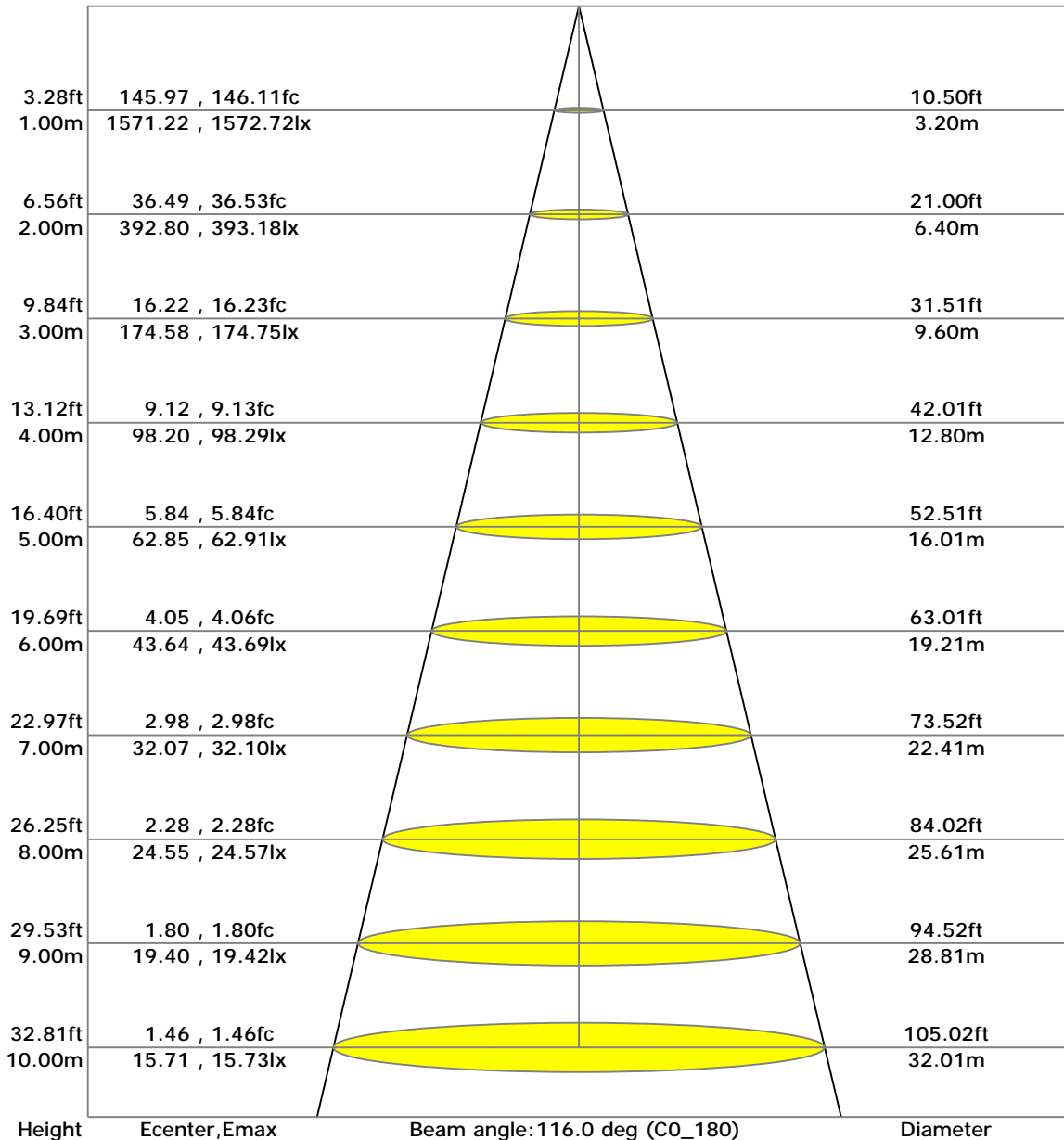
Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/3/18 14:47:27

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 14:47:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

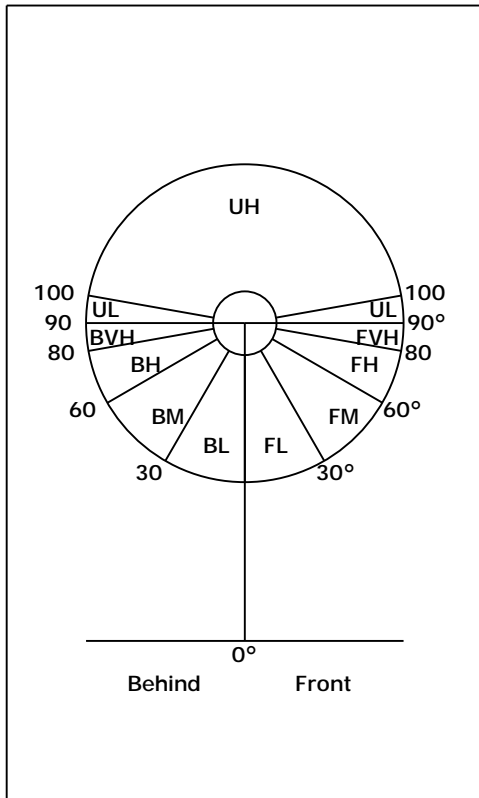
Test Distance: 6.37 m

Remarks:

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Test Time: 2026/3/18 14:47:27

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	2273.4	49.1
FL (0°-30°)	602.1	13.0
FM (30°-60°)	1133.4	24.5
FH (60°-80°)	455.6	9.8
FVH (80°-90°)	82.3	1.8

Behind	2352.5	50.9
BL (0°-30°)	606.7	13.1
BM (30°-60°)	1164.0	25.2
BH (60°-80°)	482.4	10.4
BVH (80°-90°)	99.3	2.1

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)	B2 U0 G1
Symmetrical Lighting Fixtures (Type V , Area Light)	B2 U0 G1

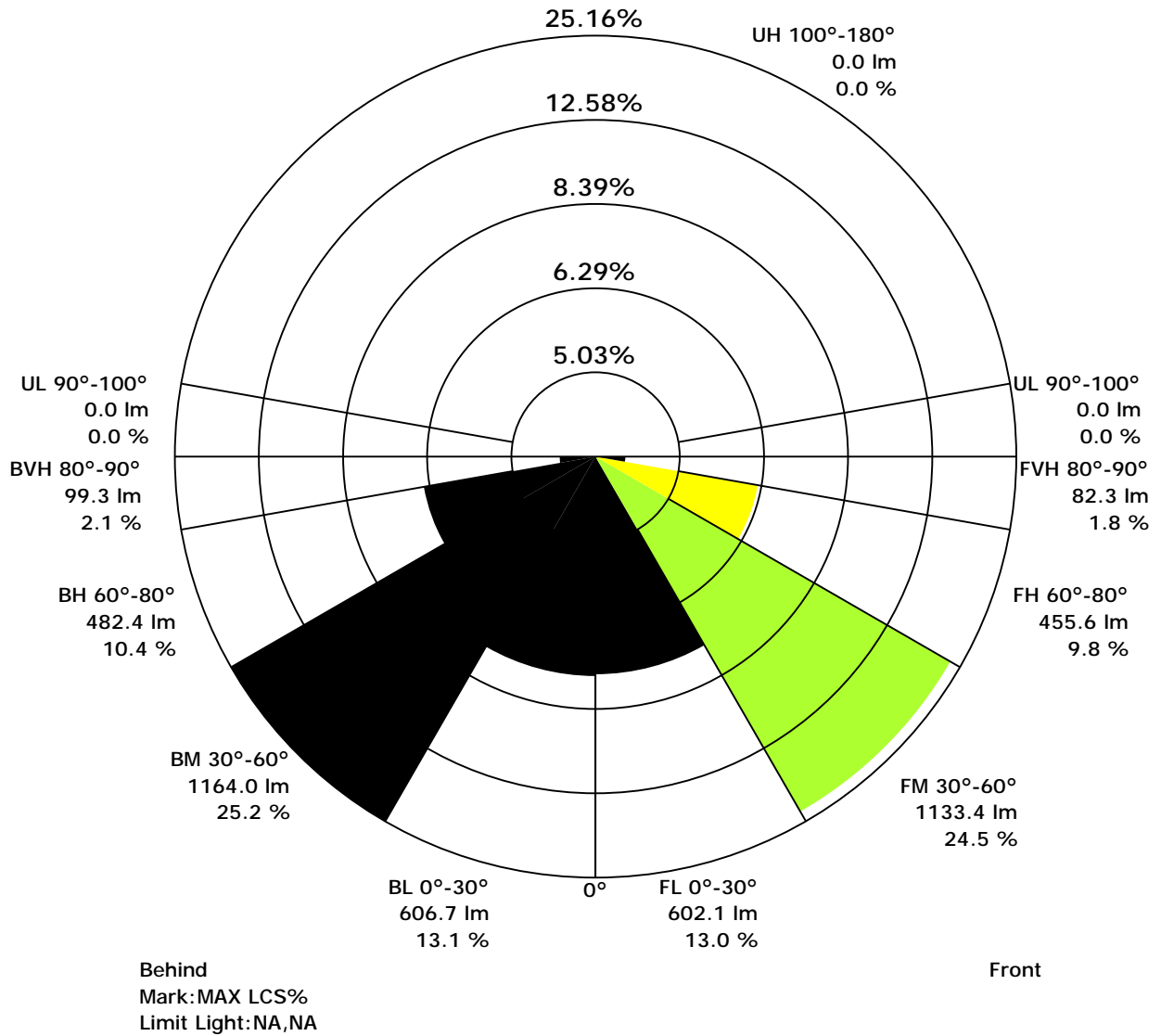
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 Test Speed: High
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G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-2000B Goniophotometer
 Humidity: 65
 Test Distance: 6.37 m
 Remarks:

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Test Time: 2026/3/18 14:47:27

LCS 图



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 14:47:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 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	26.49	27.26	26.25	27.30	27.41	26.22	26.99	25.98	27.03	27.14
	3H	26.24	26.95	26.08	27.04	27.21	26.02	26.72	25.85	26.81	26.98
	4H	26.05	26.72	25.93	26.84	27.05	25.85	26.52	25.73	26.64	26.84
	6H	25.83	26.46	25.75	26.60	26.85	25.64	26.27	25.57	26.42	26.66
	8H	25.70	26.31	25.65	26.48	26.74	25.52	26.13	25.47	26.29	26.55
	12H	25.58	26.16	25.56	26.35	26.63	25.39	25.98	25.37	26.16	26.44
4H	2H	28.98	29.65	28.86	29.77	29.98	28.11	28.78	27.99	28.90	29.10
	3H	28.84	29.43	28.82	29.61	29.89	28.02	28.61	28.00	28.79	29.08
	4H	28.68	29.22	28.72	29.43	29.76	27.91	28.44	27.95	28.66	28.99
	6H	28.46	28.94	28.56	29.19	29.57	27.73	28.21	27.84	28.47	28.85
	8H	28.33	28.78	28.46	29.05	29.45	27.63	28.08	27.76	28.35	28.75
	12H	28.19	28.60	28.36	28.90	29.33	27.50	27.91	27.67	28.21	28.64
8H	4H	30.02	30.63	29.97	30.79	31.06	28.34	28.95	28.29	29.11	29.37
	6H	29.84	30.21	30.05	30.53	30.99	28.22	28.59	28.42	28.90	29.37
	8H	29.74	30.07	29.98	30.40	30.90	28.16	28.49	28.41	28.83	29.32
	12H	29.61	29.90	29.89	30.25	30.78	28.09	28.38	28.37	28.74	29.26
12H	4H	30.46	30.88	30.63	31.17	31.60	28.28	28.69	28.45	28.98	29.42
	6H	30.41	30.74	30.65	31.08	31.57	28.24	28.57	28.48	28.90	29.39

C Range: 0 - 360 Deg

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G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

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ZONAL LUMINOUS FLUX TABLE-2

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zonal	φ total	%lum	%lamp
10	1554.3	1528.2	1529.5	1520.6	1531.8	1525.3	1526.7	1545.7	10	147.7	147.7	3.2	3.2
20	1483.1	1444.8	1440.9	1423.7	1439.5	1439.6	1434.6	1474.5	20	422.4	570.1	12.3	12.3
30	1362.9	1308.5	1298.2	1273.7	1297.6	1311.1	1288.7	1356.0	30	638.7	1208.8	26.1	26.1
40	1198.9	1130.8	1120.0	1090.3	1118.9	1135.0	1109.0	1192.4	40	768.3	1977.1	42.7	42.7
50	1016.7	923.9	906.3	873.1	910.5	922.5	901.7	991.4	50	801.0	2778.1	60.1	60.1
60	799.6	688.7	661.0	630.9	684.4	689.2	657.9	762.9	60	728.1	3506.2	75.8	75.8
70	573.2	456.2	406.2	401.5	473.9	451.9	391.4	521.5	70	571.8	4078.0	88.2	88.2
80	372.2	246.9	147.4	203.2	286.6	246.1	137.2	301.8	80	366.2	4444.2	96.1	96.1
90	221.2	106.4	0.0	73.8	131.7	758.0	4.9	751.6	90	181.6	4625.8	100.0	100.0

Conical surface Flux(90deg) : 2380.0 lm

%lum = 51.5%

%lamp = 51.5%

Conical surface Flux(120deg) : 3506.2 lm

%lum = 75.8%

%lamp = 75.8%

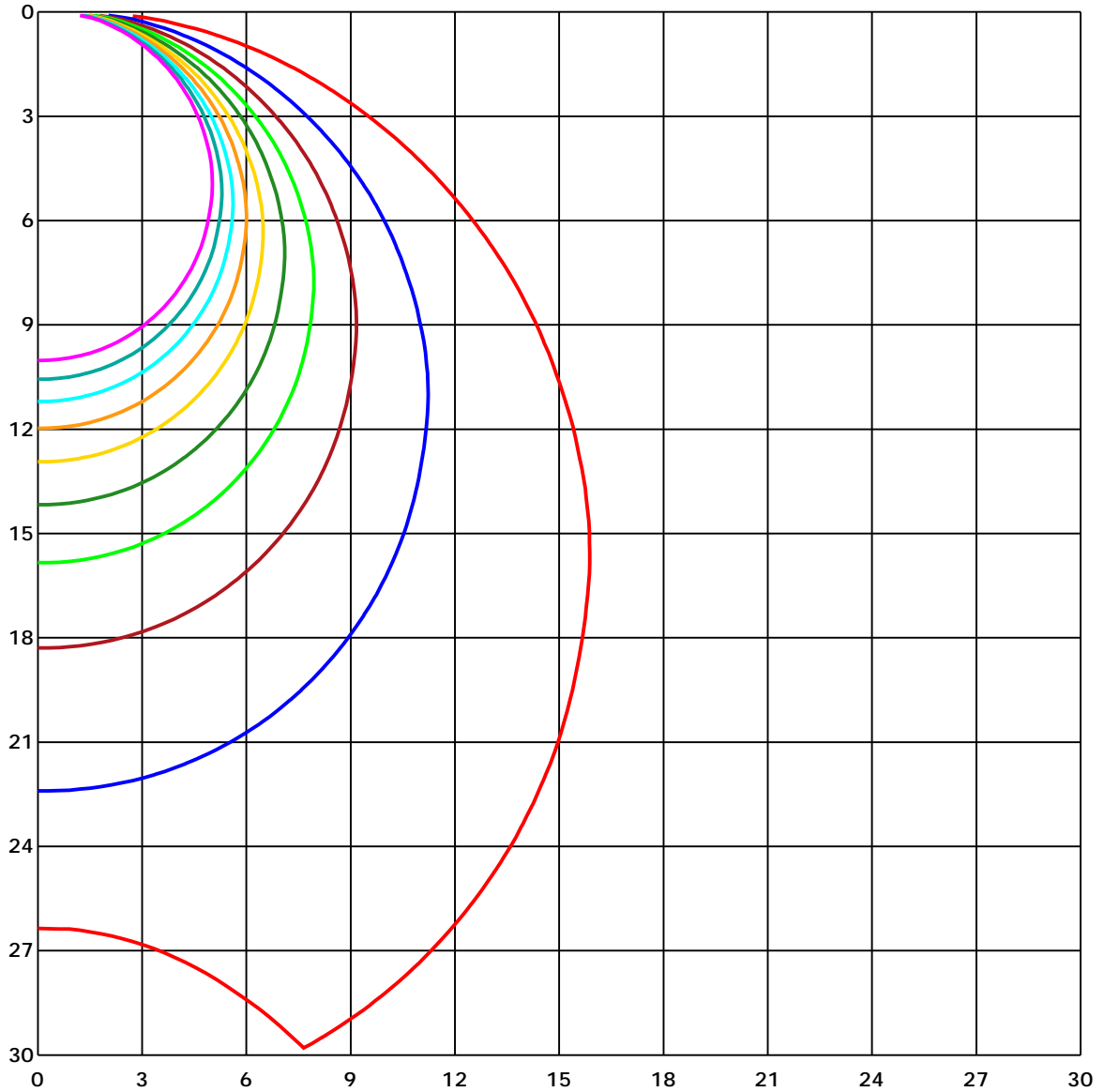
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|----------|---------|
| — 15.656 | — 7.828 |
| — 14.09 | — 6.262 |
| — 12.525 | — 4.697 |
| — 10.959 | — 3.131 |
| — 9.393 | — 1.566 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

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G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	1571.22	1555.8	1560.55	1563.06	1571.22	1555.8	1560.55	1563.06	1571.22	
G1	1571.3	1554.95	1560.14	1562.21	1569.35	1555.23	1560.18	1564.56	1571.3	
G2	1572.72	1555.03	1558.64	1559.78	1568.34	1553.89	1558.52	1565.09	1572.72	
G3	1571.1	1553.89	1557.79	1558.07	1564.56	1552.43	1556.73	1564.85	1571.1	
G4	1570.81	1551.26	1556.53	1554.1	1561.93	1549.88	1553.24	1563.02	1570.81	
G5	1569.11	1549.39	1552.63	1550.32	1557.54	1547.08	1550.12	1563.51	1569.11	
G6	1567.49	1546.06	1548.94	1544.15	1554.1	1543.95	1546.47	1559.74	1567.49	
G7	1564.93	1541.84	1545.9	1539.45	1549.1	1539.24	1543.3	1558.56	1564.93	
G8	1561.93	1538.31	1540.5	1534.62	1544.11	1534.82	1537.78	1554.42	1561.93	
G9	1558.64	1532.75	1536.36	1528.61	1537.66	1529.79	1533.32	1551.3	1558.64	
G10	1554.34	1528.25	1529.55	1520.58	1531.78	1525.33	1526.75	1545.74	1554.34	
G11	1549.43	1521.03	1523.26	1513.19	1524.8	1518.1	1521.03	1542.69	1549.43	
G12	1544.84	1514.86	1516.52	1505.32	1517.21	1511.29	1513.56	1536.16	1544.84	
G13	1538.88	1508.28	1509.46	1498.22	1509.34	1504.15	1505.2	1530.8	1538.88	
G14	1532.27	1500.41	1500.94	1487.96	1500.49	1496.72	1496.84	1523.78	1532.27	
G15	1525.77	1491.77	1493.15	1478.74	1491.28	1488.08	1488.65	1516.89	1525.77	
G16	1517.98	1485.07	1482.8	1468.84	1482.48	1479.47	1478.58	1508.69	1517.98	
G17	1509.99	1474.89	1474.08	1458.74	1471.72	1469.49	1469.09	1501.43	1509.99	
G18	1502.24	1464.14	1463.08	1447.7	1461.62	1460.4	1458.9	1492.7	1502.24	
G19	1492.74	1455.66	1452.98	1436.54	1450.26	1449.77	1446.65	1484.06	1492.74	
G20	1483.13	1444.82	1440.89	1423.72	1439.55	1439.59	1434.56	1474.52	1483.13	
G21	1473.23	1433.26	1429.16	1412.4	1428.27	1429.32	1421.94	1464.62	1473.23	
G22	1463.16	1422.02	1416.99	1398.0	1415.57	1419.06	1408.95	1454.72	1463.16	
G23	1451.44	1409.44	1404.81	1384.81	1402.91	1407.61	1394.43	1446.73	1451.44	
G24	1439.99	1395.89	1390.41	1369.88	1389.07	1396.37	1380.91	1433.7	1439.99	
G25	1428.19	1381.85	1375.92	1356.57	1374.42	1382.74	1366.63	1423.44	1428.19	
G26	1416.05	1368.42	1360.87	1339.16	1360.06	1369.51	1351.62	1411.51	1416.05	
G27	1403.03	1353.61	1346.71	1325.61	1345.57	1353.93	1336.48	1398.52	1403.03	
G28	1389.68	1339.12	1331.13	1308.52	1329.5	1341.59	1320.25	1384.08	1389.68	
G29	1375.88	1322.81	1315.71	1292.29	1314.41	1326.13	1304.71	1371.05	1375.88	
G30	1362.86	1308.48	1298.18	1273.71	1297.61	1311.08	1288.68	1356.0	1362.86	
G31	1347.32	1291.24	1282.31	1257.11	1281.05	1294.73	1272.9	1342.53	1347.32	
G32	1333.36	1274.07	1263.93	1238.77	1263.69	1279.11	1254.11	1327.07	1333.36	
G33	1316.96	1257.92	1247.54	1221.24	1246.04	1261.86	1237.8	1311.57	1316.96	
G34	1301.95	1241.69	1229.52	1203.15	1228.71	1245.14	1218.65	1295.66	1301.95	
G35	1286.09	1223.39	1211.34	1185.09	1210.41	1227.65	1201.93	1280.04	1286.09	
G36	1269.21	1206.11	1192.35	1164.88	1192.43	1210.69	1181.19	1262.55	1269.21	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 14:47:27

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/3/18 14:47:27

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	1251.31	1186.39	1173.85	1145.97	1173.2	1192.43	1164.11	1245.55	1251.31	
G38	1234.84	1168.9	1154.82	1125.12	1154.9	1173.93	1144.27	1228.39	1234.84	
G39	1216.74	1149.67	1135.91	1109.54	1135.38	1155.06	1128.77	1211.63	1216.74	
G40	1198.89	1130.76	1120.0	1090.3	1118.95	1135.02	1109.05	1192.39	1198.89	
G41	1182.21	1115.78	1100.12	1067.66	1104.02	1119.44	1085.15	1173.44	1182.21	
G42	1166.14	1093.87	1081.37	1051.55	1081.17	1098.82	1068.03	1153.11	1166.14	
G43	1148.69	1076.02	1059.42	1025.99	1060.03	1077.15	1045.14	1133.44	1148.69	
G44	1132.18	1056.3	1040.6	1009.59	1040.96	1053.62	1027.69	1115.01	1132.18	
G45	1117.41	1035.56	1020.31	985.0	1021.4	1035.12	1009.68	1096.71	1117.41	
G46	1096.71	1014.18	994.7	965.53	997.34	1012.72	987.24	1077.84	1096.71	
G47	1079.95	995.43	974.74	941.1	980.66	991.82	967.23	1051.31	1079.95	
G48	1057.27	970.23	949.66	917.93	953.72	966.95	946.29	1033.78	1057.27	
G49	1039.26	946.86	927.26	893.83	933.84	948.44	923.17	1011.18	1039.26	
G50	1016.74	923.85	906.33	873.09	910.55	922.52	901.66	991.37	1016.74	
G51	993.32	900.77	881.65	847.89	886.85	901.7	878.25	964.39	993.32	
G52	975.43	877.11	857.71	823.47	864.82	877.43	855.0	946.78	975.43	
G53	951.65	855.0	831.91	798.23	842.7	857.43	828.66	921.1	951.65	
G54	929.09	830.41	808.78	775.34	818.52	830.53	806.71	899.79	929.09	
G55	906.61	808.58	782.69	749.17	796.89	807.72	781.27	876.79	906.61	
G56	886.48	784.35	761.38	726.12	773.6	784.43	756.88	853.82	886.48	
G57	863.72	762.03	734.56	701.7	751.24	761.83	731.68	830.61	863.72	
G58	842.9	736.15	711.92	677.63	728.8	735.78	708.27	808.62	842.9	
G59	819.0	713.95	685.59	654.59	707.54	714.44	683.72	782.69	819.0	
G60	799.57	688.67	661.0	630.93	684.41	689.24	657.87	762.93	799.57	
G61	776.15	667.77	636.12	605.33	663.43	666.64	631.17	735.78	776.15	
G62	753.15	640.55	611.21	583.86	640.79	644.28	605.81	715.98	753.15	
G63	730.55	620.22	584.27	558.78	620.06	620.34	579.56	688.39	730.55	
G64	707.7	594.9	559.84	536.99	597.13	594.53	553.02	664.2	707.7	
G65	685.1	571.24	534.19	513.62	578.75	571.97	526.16	641.76	685.1	
G66	661.53	550.06	509.36	492.52	556.67	547.02	498.41	618.15	661.53	
G67	639.33	526.4	483.03	467.32	536.63	524.25	471.79	590.92	639.33	
G68	616.57	502.42	457.18	445.25	513.7	499.26	444.24	568.56	616.57	
G69	594.01	479.62	430.16	423.05	493.5	475.48	417.82	543.53	594.01	
G70	573.19	456.25	406.22	401.55	473.94	451.86	391.45	521.45	573.19	
G71	550.55	434.46	378.38	378.79	454.34	428.98	363.29	495.77	550.55	
G72	529.24	410.27	352.69	357.24	432.83	406.95	337.56	472.19	529.24	
G73	507.21	388.69	325.02	334.56	413.72	385.76	309.56	449.59	507.21	

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