

Report No.:

Test Time: 2026/3/18 15:01:52

LUMINAIRE PHOTOMETRIC TEST REPORT

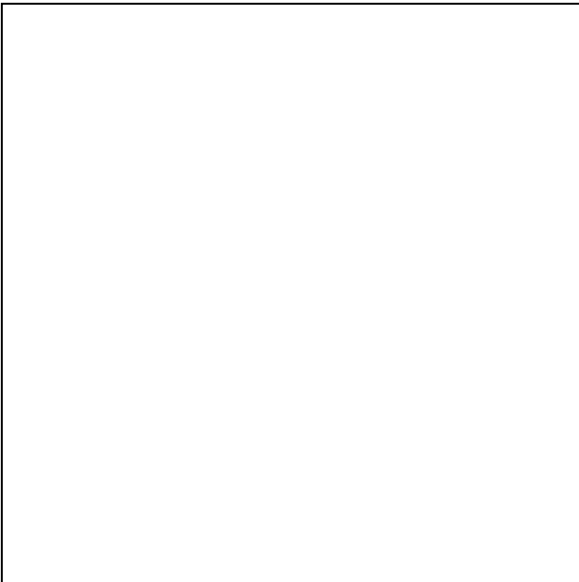
Luminaire Property

Manufacturer: 0	Voltage(V): 229.60 V
Luminaire Type: SYBAT03 4000K	Current(A): 0.2060 A
Lamp Type:	Power(W): 45.98 W
Luminous Width: 0 mm	Power Factor: 0.9680
Luminous Length: 0 mm	Lamp Luminous Flux: 5649.10
Luminous Height: 0 mm	

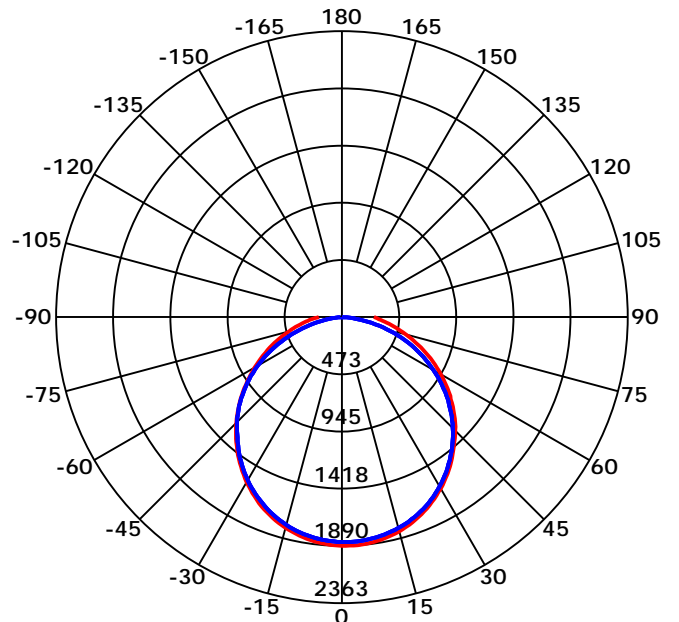
Photometric Results

CIE Class: Direct	Max. Intensity: 1890.40 cd
Luminaire Luminous Flux: 5649.101 lm	Max. Intensity Angle: C=0 Gamma=1
Downward Ratio: 100.00%	Upward Ratio: 0.00%
Luminaire Efficacy Rating(LER): 122.86 lm/W	Efficacy: 100.00%
Beam Angle(50%) C0-180,C90-270: 115.8,114.0	Center Intensity: 1889.75 cd
Field Angle(10%) C0-180,C90-270: 0.0,160.1	Effective Luminous Flux: 5588.60 lm
S/MH C0-180,C90-270: 1.250,1.250	ERP(φuse)(120deg): 4271.08 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 115.8 deg,114.0 deg

Average Beam Angle: 114.9 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 15:01:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

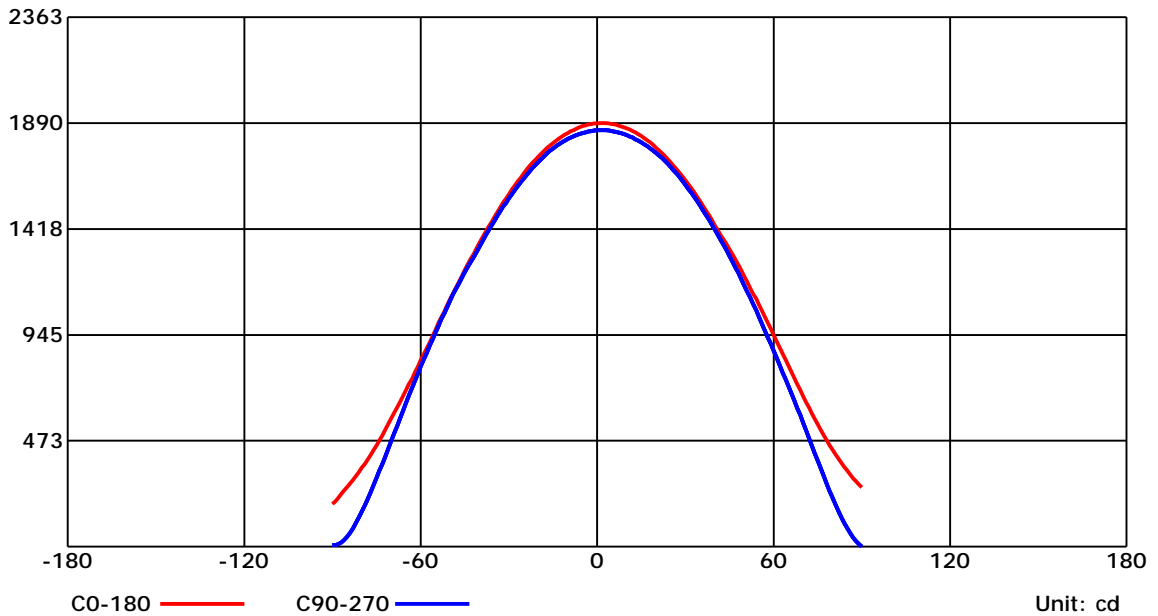
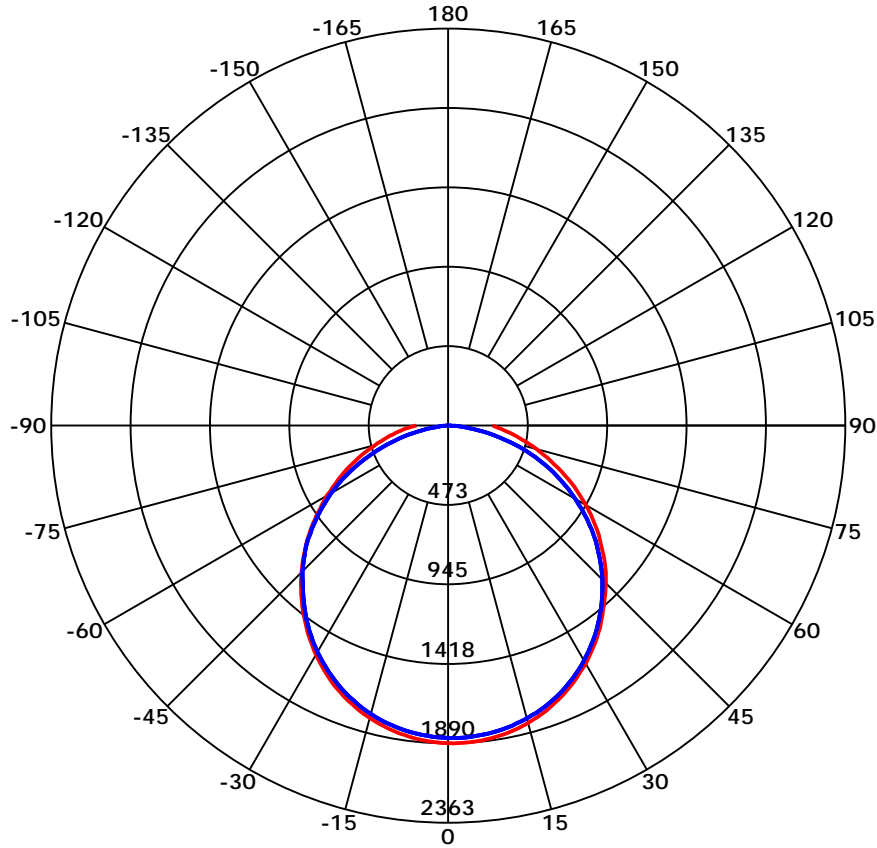
Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/3/18 15:01:52

Luminous Intensity Distribution Curve



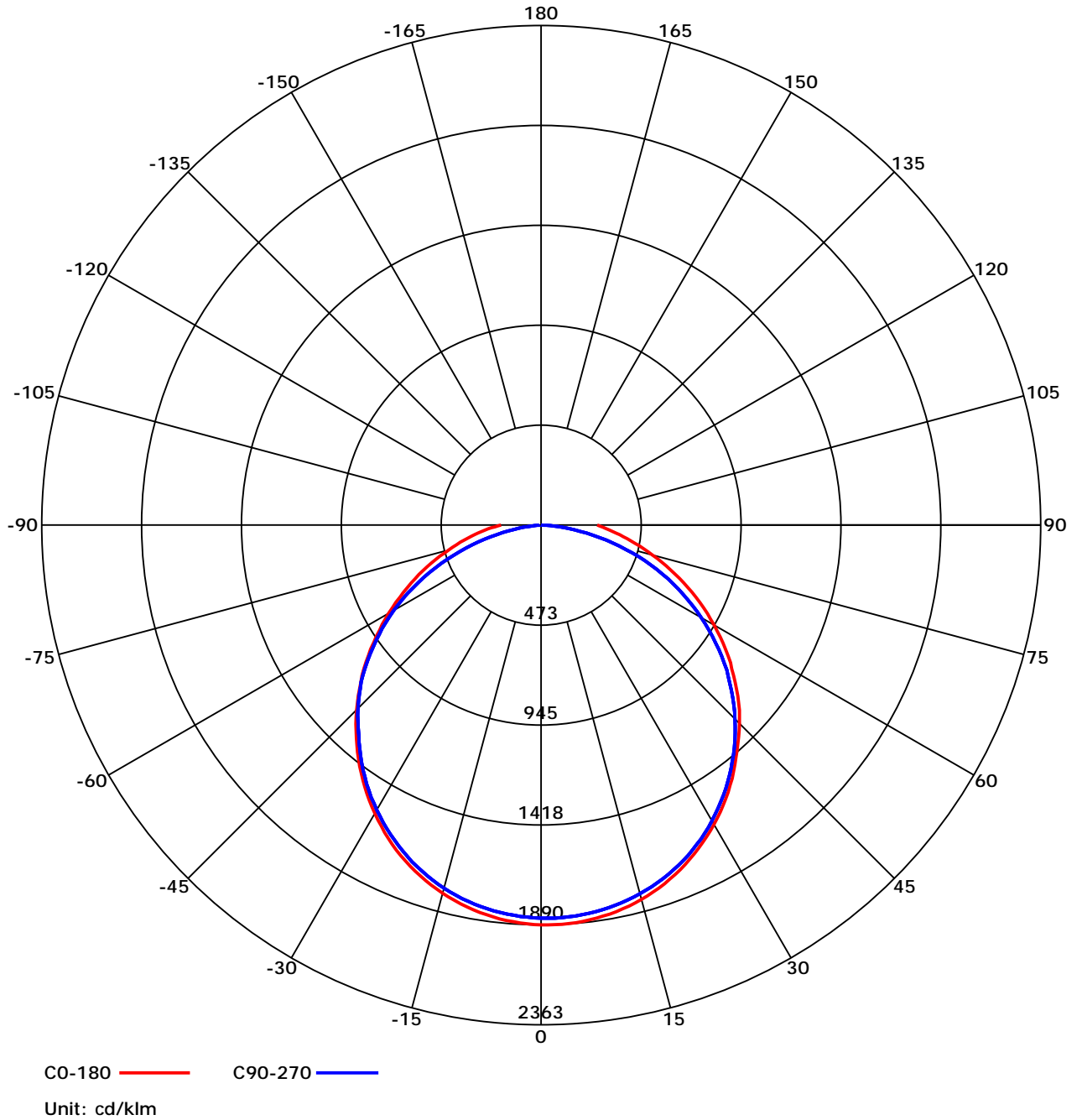
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 Temperature: 25
 Operators:
 Test Date: 2026/3/18 15:01:52

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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Luminous Intensity Distribution Curve



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
 Remarks:

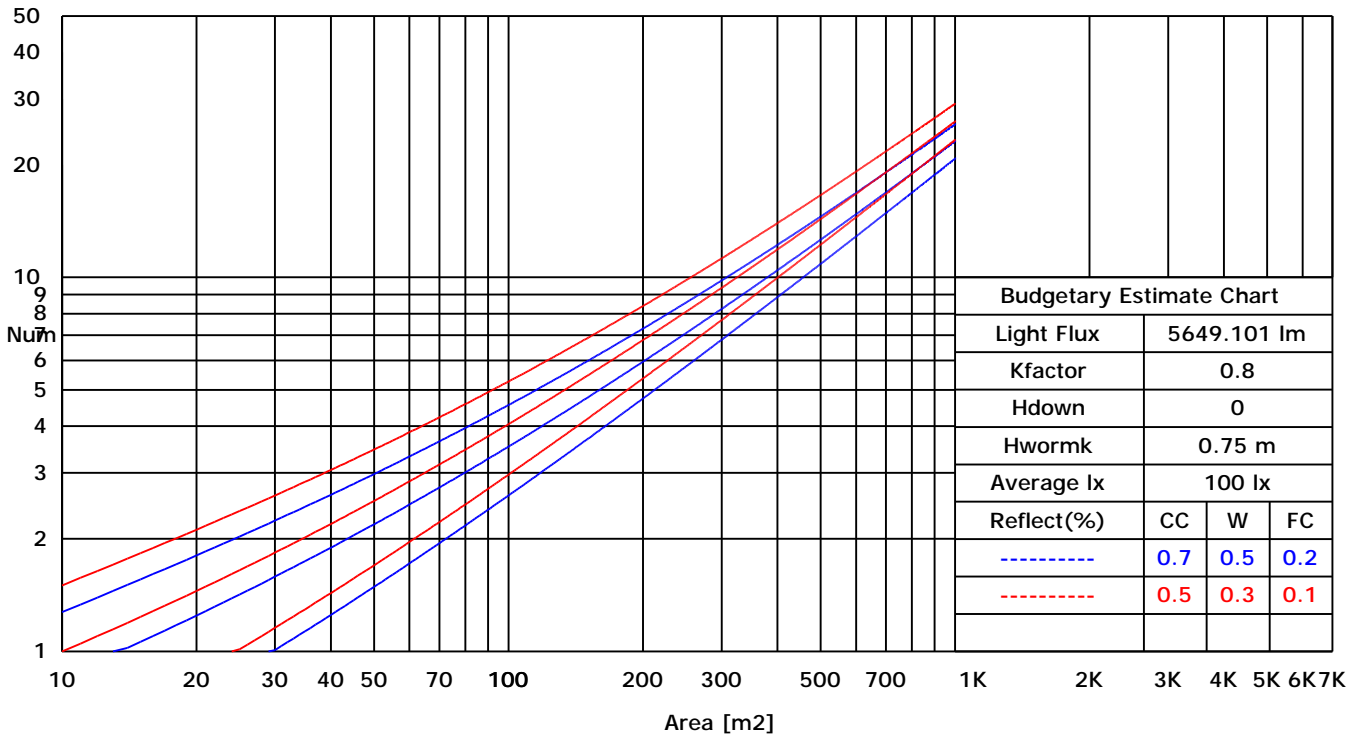
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UTILIZATION FACTORS TABLE

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	0.98	1.00	0.98	0.97	0.96	0.94	0.93	0.92	0.90	0.88	0.86	0.83	0.81	0.76
2	0.85	0.83	0.81	0.85	0.82	0.80	0.83	0.79	0.76	0.79	0.76	0.72	0.75	0.71	0.68	0.63
3	0.72	0.70	0.68	0.72	0.69	0.67	0.71	0.67	0.64	0.69	0.65	0.61	0.66	0.61	0.57	0.53
4	0.62	0.59	0.58	0.63	0.59	0.57	0.62	0.58	0.54	0.61	0.56	0.52	0.59	0.54	0.49	0.45
5	0.54	0.51	0.50	0.55	0.51	0.49	0.55	0.50	0.47	0.55	0.49	0.45	0.54	0.47	0.42	0.39
6	0.48	0.45	0.43	0.49	0.45	0.43	0.49	0.44	0.41	0.49	0.43	0.39	0.49	0.42	0.37	0.34
7	0.42	0.40	0.38	0.43	0.40	0.38	0.44	0.39	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	0.33	0.40	0.35	0.32	0.41	0.35	0.31	0.41	0.34	0.29	0.26
9	0.34	0.32	0.31	0.35	0.32	0.30	0.37	0.32	0.29	0.38	0.32	0.28	0.38	0.31	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	0.21

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



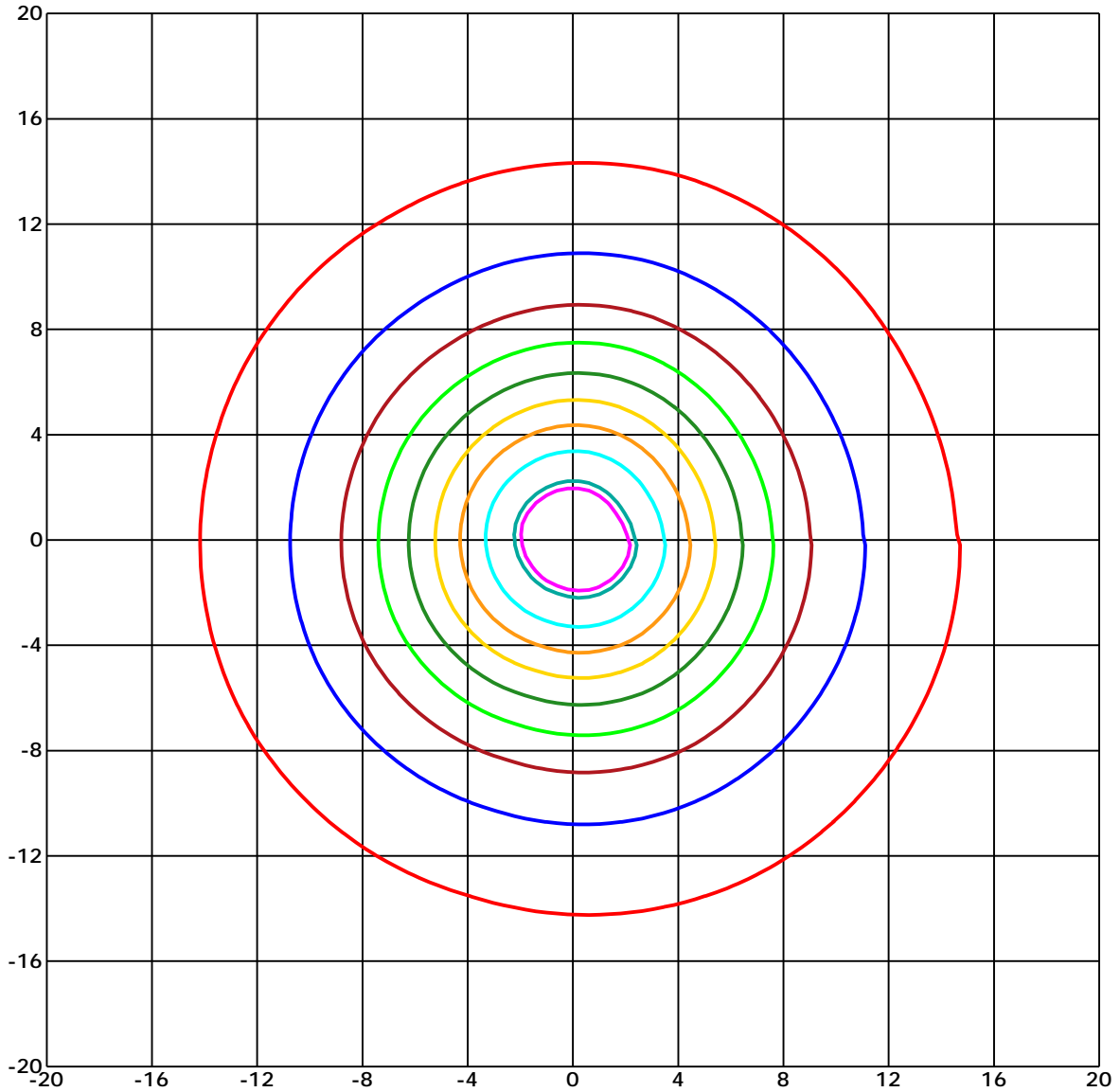
C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2026/3/18 15:01:52

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)

- | | |
|-------------------|------------------|
| — 17.386(92%Emax) | — 9.449(50%Emax) |
| — 17.008(90%Emax) | — 7.559(40%Emax) |
| — 15.118(80%Emax) | — 5.669(30%Emax) |
| — 13.228(70%Emax) | — 3.779(20%Emax) |
| — 11.338(60%Emax) | — 1.89(10%Emax) |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 15:01:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

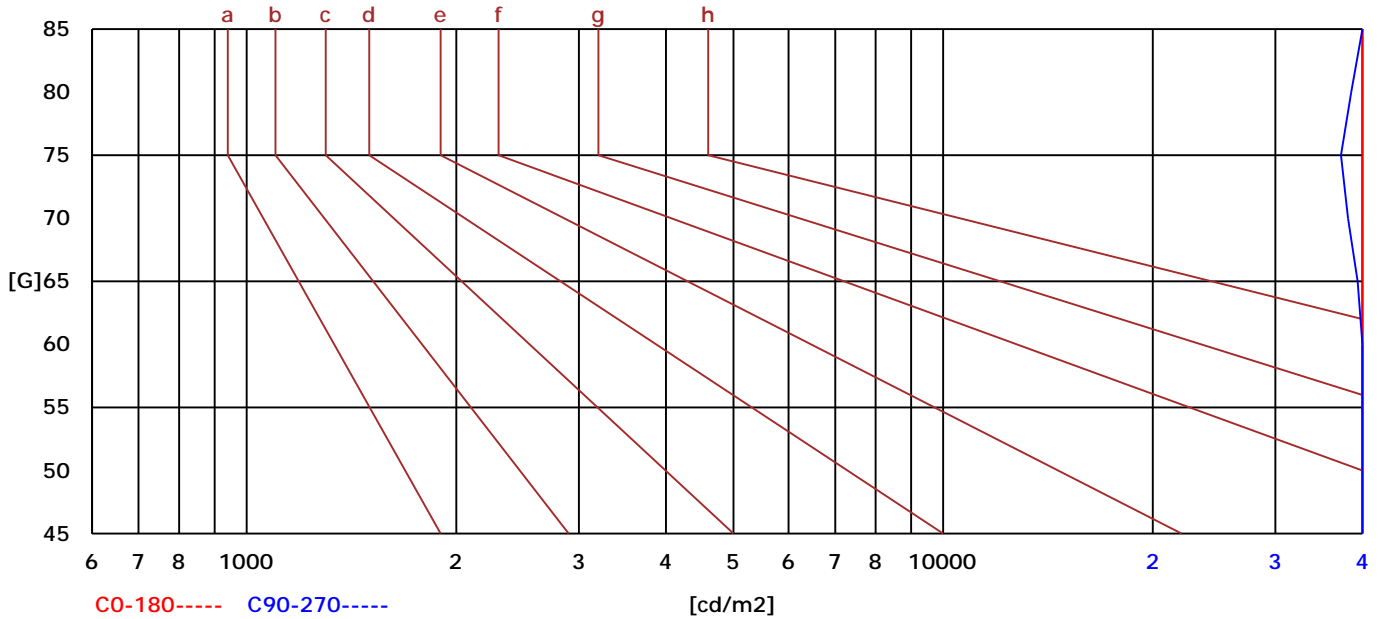
Remarks:

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BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	45048	44398	43743	42892	42155	41619	41573	44217	57381
C90	43906	42975	42009	40680	39344	38131	37254	38550	48500
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 15:01:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

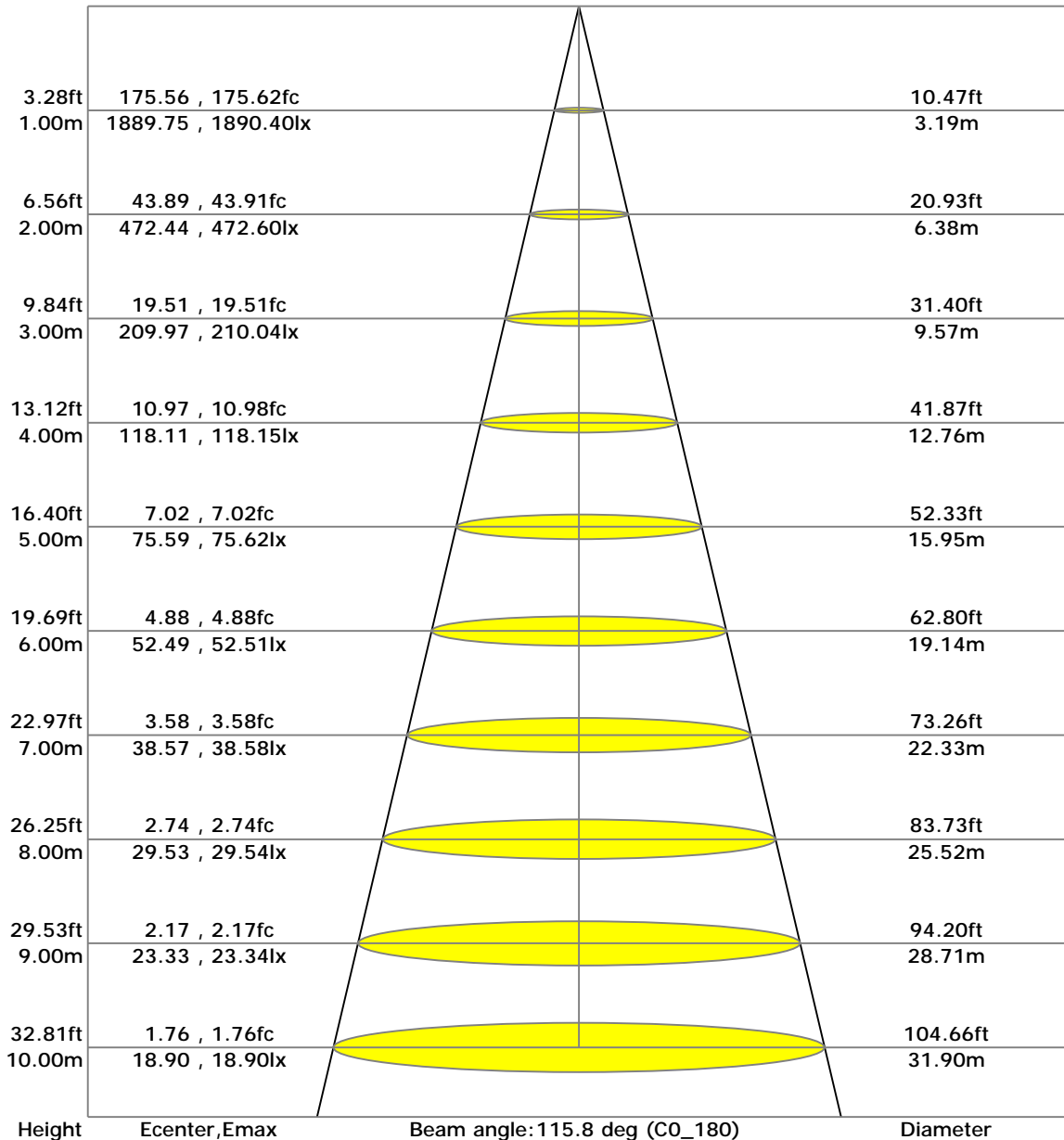
Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/3/18 15:01:52

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 15:01:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

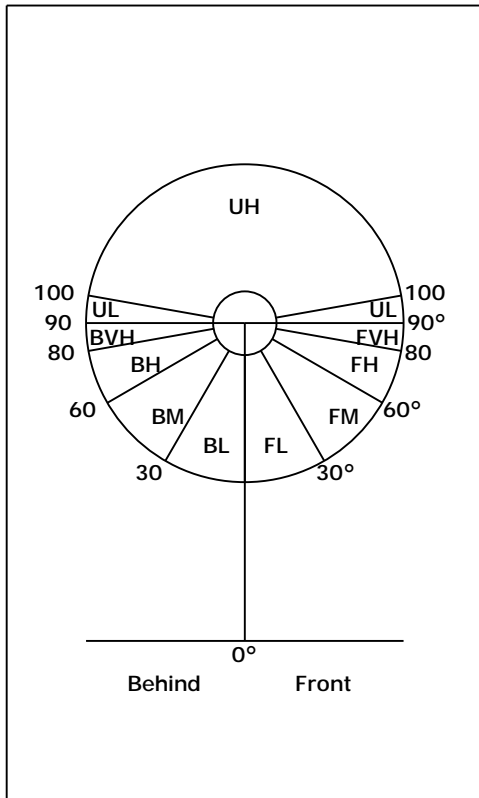
Test Distance: 6.37 m

Remarks:

Report No.:

Test Time: 2026/3/18 15:01:52

BUG Class



Zonal	Light Flux(lm)	Light Flux(%)
Front	2824.8	50.0
FL (0°-30°)	730.8	12.9
FM (30°-60°)	1409.0	24.9
FH (60°-80°)	577.6	10.2
FVH (80°-90°)	107.5	1.9

Behind	2824.3	50.0
BL (0°-30°)	728.0	12.9
BM (30°-60°)	1403.4	24.8
BH (60°-80°)	575.5	10.2
BVH (80°-90°)	117.4	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 G2
Symmetrical Lighting Fixtures (Type V , Area Light)	B2 U0 G2

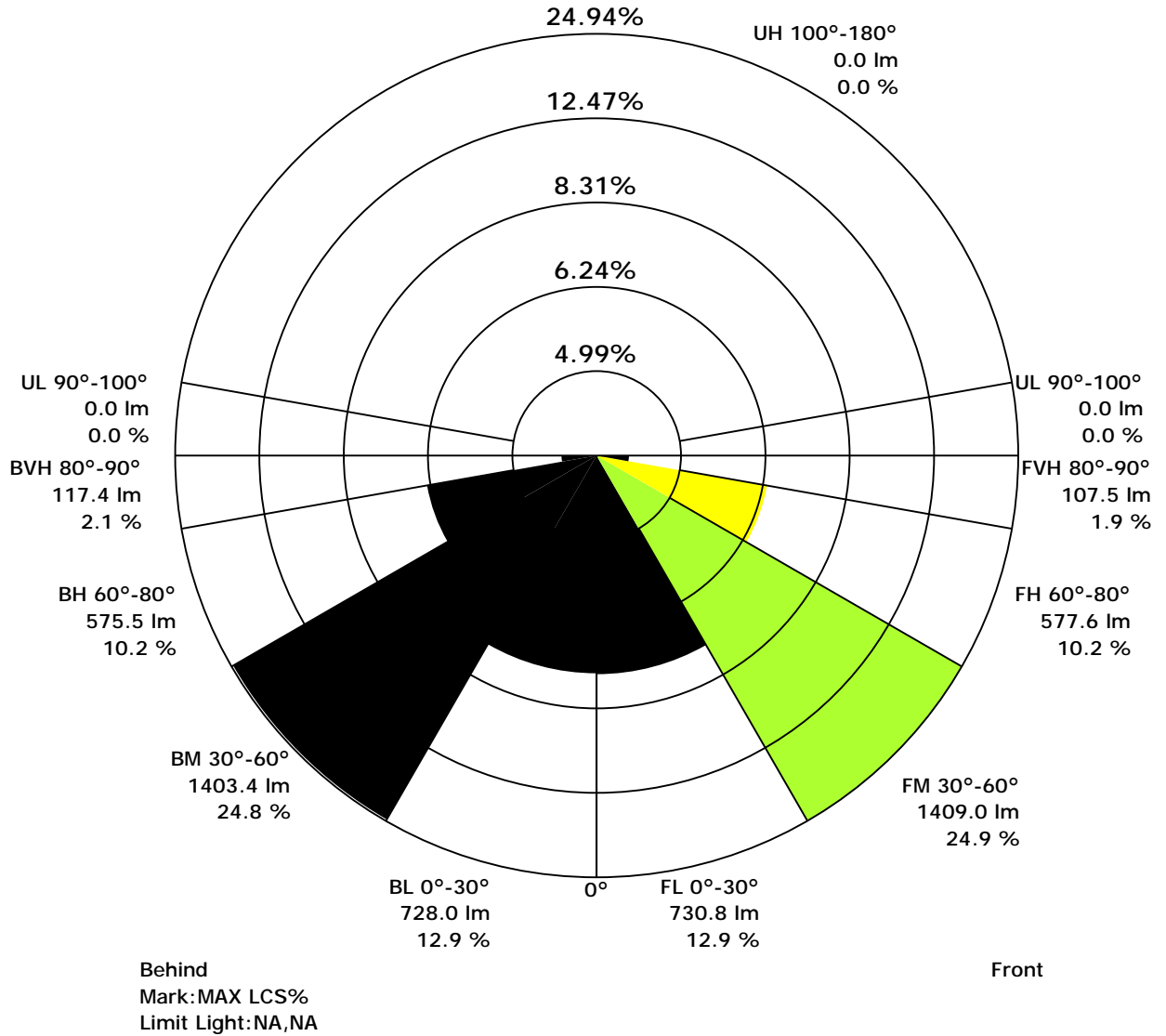
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 Test Date: 2026/3/18 15:01:52

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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LCS 图



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators:
 Test Date: 2026/3/18 15:01:52

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	27.31	28.08	27.07	28.12	28.23	27.29	28.06	27.05	28.10	28.21
	3H	27.08	27.79	26.91	27.88	28.05	27.07	27.78	26.90	27.87	28.04
	4H	26.90	27.57	26.77	27.69	27.89	26.90	27.58	26.78	27.69	27.89
	6H	26.67	27.31	26.60	27.46	27.69	26.69	27.32	26.61	27.47	27.71
	8H	26.55	27.16	26.50	27.33	27.59	26.56	27.18	26.51	27.34	27.60
	12H	26.43	27.02	26.40	27.19	27.48	26.44	27.03	26.41	27.21	27.49
4H	2H	29.74	30.42	29.62	30.53	30.74	29.35	30.02	29.23	30.14	30.34
	3H	29.63	30.22	29.60	30.39	30.68	29.25	29.84	29.23	30.02	30.30
	4H	29.48	30.02	29.51	30.23	30.56	29.13	29.67	29.16	29.88	30.21
	6H	29.26	29.74	29.36	30.00	30.37	28.94	29.43	29.04	29.68	30.06
	8H	29.14	29.58	29.27	29.86	30.26	28.83	29.28	28.97	29.55	29.96
	12H	29.00	29.41	29.17	29.70	30.14	28.71	29.12	28.87	29.41	29.84
8H	4H	30.73	31.34	30.67	31.50	31.76	29.67	30.29	29.62	30.45	30.71
	6H	30.60	30.97	30.80	31.29	31.75	29.54	29.92	29.74	30.23	30.69
	8H	30.50	30.83	30.74	31.17	31.66	29.48	29.81	29.72	30.15	30.64
	12H	30.38	30.67	30.66	31.02	31.55	29.40	29.69	29.68	30.04	30.57
12H	4H	31.19	31.61	31.36	31.90	32.33	29.65	30.06	29.82	30.36	30.79
	6H	31.16	31.49	31.40	31.82	32.32	29.60	29.94	29.85	30.27	30.76

C Range: 0 - 360 Deg

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G Range: 0 - 90 Deg

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Humidity: 65

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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	1867.7	1829.6	1837.0	1838.2	1846.9	1821.6	1820.0	1847.5	10	177.0	177.0	3.1	3.1
20	1780.8	1743.1	1757.5	1741.9	1742.0	1729.0	1717.9	1762.0	20	508.1	685.1	12.1	12.1
30	1635.0	1593.9	1615.0	1578.4	1573.7	1584.1	1555.6	1623.3	30	773.6	1458.8	25.8	25.8
40	1434.0	1392.4	1414.7	1365.6	1357.1	1379.0	1340.4	1425.0	40	937.1	2395.9	42.4	42.4
50	1206.4	1141.6	1165.4	1105.0	1105.8	1126.4	1099.3	1173.8	50	979.1	3375.0	59.7	59.7
60	945.4	857.8	873.6	813.6	833.9	842.6	804.2	899.3	60	896.1	4271.1	75.6	75.6
70	670.6	569.4	552.1	521.7	573.3	548.2	473.3	605.4	70	704.1	4975.2	88.1	88.1
80	432.5	307.1	218.2	267.8	352.7	295.7	157.9	342.4	80	449.0	5424.2	96.0	96.0
90	264.5	147.0	0.0	121.2	190.2	144.6	7.3	1555.8	90	224.9	5649.1	100.0	100.0

Conical surface Flux(90deg) : 2888.0 lm

%lum = 51.1%

%lamp = 51.1%

Conical surface Flux(120deg) : 4271.1 lm

%lum = 75.6%

%lamp = 75.6%

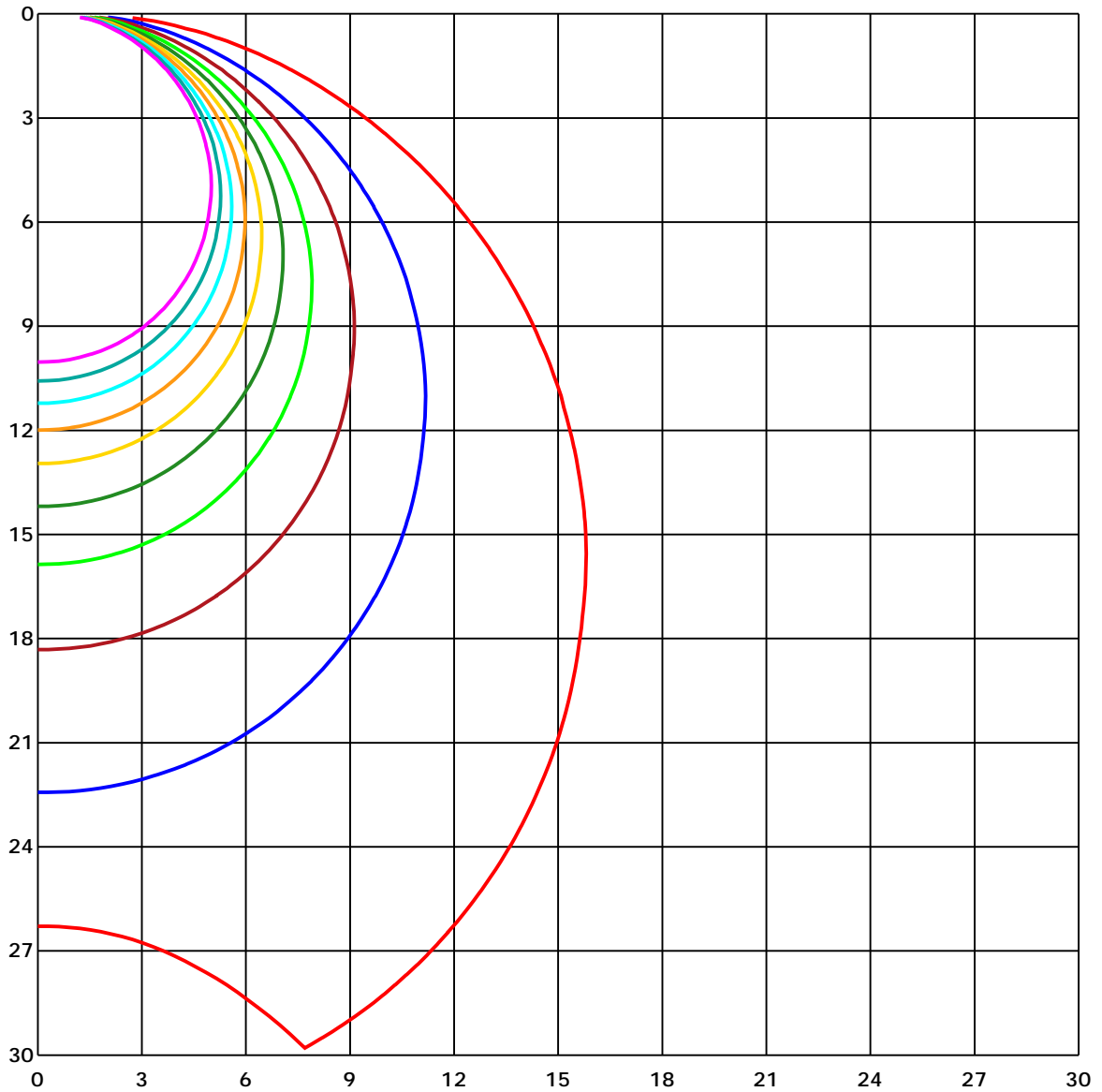
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SPACE ISOLX DIAGRAM



Unit of illumination: lx

- | | |
|----------|---------|
| — 18.781 | — 9.39 |
| — 16.903 | — 7.512 |
| — 15.025 | — 5.634 |
| — 13.146 | — 3.756 |
| — 11.268 | — 1.878 |

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 15:01:52

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 DISTRIBUTION INTENSITY DATA

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360
G0	1889.75	1856.35	1858.91	1874.37	1889.75	1856.35	1858.91	1874.37	1889.75
G1	1890.4	1856.6	1859.07	1874.13	1888.81	1855.78	1857.65	1874.98	1890.4
G2	1890.19	1856.39	1859.56	1872.22	1886.58	1854.45	1855.05	1874.86	1890.19
G3	1890.07	1855.95	1858.79	1869.87	1884.64	1852.7	1853.31	1872.91	1890.07
G4	1888.49	1853.39	1857.04	1867.63	1880.17	1849.37	1849.21	1871.37	1888.49
G5	1886.87	1851.32	1855.01	1863.66	1877.05	1846.13	1846.7	1869.01	1886.87
G6	1884.15	1847.47	1852.5	1860.49	1872.18	1842.96	1842.23	1865.24	1884.15
G7	1880.78	1844.34	1849.21	1855.54	1866.66	1838.01	1837.36	1862.07	1880.78
G8	1876.8	1839.68	1845.88	1850.06	1859.72	1833.22	1832.29	1857.81	1876.8
G9	1871.85	1835.29	1841.54	1844.18	1854.12	1827.58	1826.25	1853.31	1871.85
G10	1867.71	1829.61	1836.96	1838.22	1846.9	1821.62	1820.0	1847.51	1867.71
G11	1861.79	1823.08	1830.99	1830.71	1839.43	1815.21	1812.08	1841.26	1861.79
G12	1854.93	1817.07	1825.56	1823.97	1830.71	1807.34	1804.82	1835.05	1854.93
G13	1848.6	1810.18	1818.29	1815.09	1821.66	1800.03	1795.77	1827.71	1848.6
G14	1841.01	1801.78	1811.64	1806.61	1812.41	1791.63	1787.05	1820.08	1841.01
G15	1832.66	1793.26	1804.41	1797.56	1802.51	1781.57	1777.03	1811.39	1832.66
G16	1823.28	1784.73	1795.65	1788.06	1790.86	1772.28	1766.96	1802.99	1823.28
G17	1813.79	1775.24	1787.58	1776.98	1779.95	1761.77	1755.56	1793.5	1813.79
G18	1804.21	1765.3	1778.0	1766.6	1767.45	1751.14	1743.59	1782.95	1804.21
G19	1793.54	1755.64	1768.06	1753.82	1755.03	1740.63	1730.73	1772.48	1793.54
G20	1780.84	1743.14	1757.51	1741.93	1742.01	1729.02	1717.86	1762.01	1780.84
G21	1768.75	1731.42	1745.78	1727.76	1728.17	1716.97	1704.55	1750.16	1768.75
G22	1756.82	1718.84	1734.18	1714.25	1713.44	1705.08	1690.15	1740.06	1756.82
G23	1743.51	1706.3	1721.92	1700.7	1698.91	1693.84	1674.69	1727.12	1743.51
G24	1729.06	1691.98	1708.57	1685.08	1683.21	1679.32	1659.19	1714.58	1729.06
G25	1714.74	1677.37	1694.37	1668.2	1666.21	1665.84	1643.32	1700.46	1714.74
G26	1699.44	1661.95	1679.56	1652.13	1648.32	1650.14	1627.09	1687.11	1699.44
G27	1683.9	1646.98	1665.4	1634.68	1631.19	1635.01	1609.73	1671.81	1683.9
G28	1667.63	1629.45	1648.64	1617.23	1611.8	1618.04	1592.32	1656.07	1667.63
G29	1651.32	1612.77	1632.37	1597.8	1594.19	1601.12	1573.86	1638.58	1651.32
G30	1635.05	1593.9	1615.0	1578.44	1573.73	1584.12	1555.64	1623.32	1635.05
G31	1617.44	1577.27	1596.74	1559.65	1554.66	1565.86	1534.94	1605.55	1617.44
G32	1598.89	1557.79	1578.77	1540.46	1534.46	1547.16	1517.62	1587.65	1598.89
G33	1579.82	1539.41	1559.78	1520.34	1513.56	1527.6	1496.27	1568.54	1579.82
G34	1560.91	1519.2	1541.6	1499.97	1491.97	1507.96	1476.27	1550.81	1560.91
G35	1541.64	1500.78	1521.23	1478.22	1470.3	1488.65	1453.99	1531.17	1541.64
G36	1520.9	1478.87	1501.1	1456.35	1448.23	1467.06	1433.14	1510.31	1520.9

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 15:01:52

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 15:01:52

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

GammaC	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	1500.86	1459.23	1480.33	1434.03	1426.81	1446.36	1409.6	1490.67	1500.86	
G38	1478.83	1436.95	1458.42	1412.12	1403.27	1424.45	1387.45	1469.74	1478.83	
G39	1457.0	1415.24	1436.42	1389.39	1380.43	1403.19	1363.38	1447.05	1457.0	
G40	1433.99	1392.4	1414.71	1365.62	1357.09	1379.05	1340.42	1425.02	1433.99	
G41	1412.64	1370.69	1392.11	1340.86	1333.4	1356.32	1315.58	1402.09	1412.64	
G42	1389.76	1347.19	1369.07	1317.9	1308.04	1330.72	1293.11	1378.76	1389.76	
G43	1369.55	1323.58	1345.25	1293.11	1285.4	1307.14	1270.5	1353.77	1369.55	
G44	1348.33	1298.1	1321.31	1267.91	1260.6	1281.05	1249.0	1330.11	1348.33	
G45	1326.78	1274.16	1296.59	1241.86	1235.49	1255.9	1225.95	1304.91	1326.78	
G46	1304.51	1248.06	1271.56	1215.44	1208.83	1229.03	1201.4	1280.28	1304.51	
G47	1281.87	1223.56	1246.52	1188.17	1183.14	1203.11	1175.59	1252.77	1281.87	
G48	1256.75	1196.05	1220.07	1161.07	1156.24	1176.2	1150.03	1227.33	1256.75	
G49	1232.0	1169.87	1191.62	1130.92	1130.07	1149.42	1127.79	1201.04	1232.0	
G50	1206.35	1141.55	1165.41	1104.95	1105.8	1126.37	1099.31	1173.77	1206.35	
G51	1181.23	1119.07	1137.41	1080.0	1078.45	1097.97	1071.07	1147.56	1181.23	
G52	1154.86	1088.72	1113.84	1048.06	1050.74	1071.35	1041.65	1121.42	1154.86	
G53	1128.32	1062.51	1084.46	1020.92	1023.67	1040.68	1014.34	1098.13	1128.32	
G54	1107.59	1033.17	1055.85	990.77	997.14	1016.25	983.79	1068.88	1107.59	
G55	1079.18	1003.59	1024.93	963.82	966.62	983.26	954.29	1040.8	1079.18	
G56	1053.82	975.35	994.99	933.47	940.86	957.33	925.03	1013.98	1053.82	
G57	1025.46	946.33	965.0	903.85	910.71	927.75	897.07	984.76	1025.46	
G58	999.98	916.59	935.38	873.5	886.56	901.66	864.65	954.49	999.98	
G59	971.61	887.13	904.42	843.59	858.12	872.2	835.28	928.12	971.61	
G60	945.4	857.84	873.58	813.61	833.86	842.62	804.19	899.35	945.4	
G61	915.66	828.38	842.82	782.0	803.34	811.09	772.34	871.84	915.66	
G62	890.99	799.85	811.9	751.85	778.39	783.13	740.08	842.82	890.99	
G63	863.56	770.27	779.08	724.05	749.58	754.69	709.16	812.39	863.56	
G64	835.19	740.45	747.14	693.09	725.56	725.15	675.16	780.58	835.19	
G65	807.72	712.61	716.51	665.1	698.41	694.64	641.48	753.07	807.72	
G66	780.29	684.25	684.49	635.27	673.66	664.45	607.84	721.66	780.29	
G67	753.03	654.22	652.84	607.8	647.77	634.54	574.93	694.55	753.03	
G68	726.0	627.93	618.51	578.18	623.38	606.79	539.75	663.76	726.0	
G69	699.71	597.86	587.11	552.66	597.37	577.25	506.64	634.66	699.71	
G70	670.57	569.38	552.13	521.66	573.31	548.15	473.33	605.45	670.57	
G71	645.21	539.51	518.69	494.63	548.52	519.55	438.8	576.72	645.21	
G72	621.44	512.32	485.02	465.62	524.21	492.6	405.4	547.34	621.44	
G73	594.9	482.99	450.36	438.68	499.58	464.32	372.37	520.4	594.9	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators:

Test Date: 2026/3/18 15:01:52

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-2000B Goniophotometer

Humidity: 65

Test Distance: 6.37 m

Remarks:

