

Report No.:

Test Time: 2024/9/20 10:51:43

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: InBright
Luminaire Type: IBSP156CT085H89-60°-15W
Lamp Type:
Luminous Width: 67 mm
Luminous Length: 67 mm
Luminous Height: 70 mm

Voltage(V): 219.80 V
Current(A): 0.0710 A
Power(W): 15.02 W
Power Factor: 0.9500
Lamp Luminous Flux: 1495.73

Photometric Results

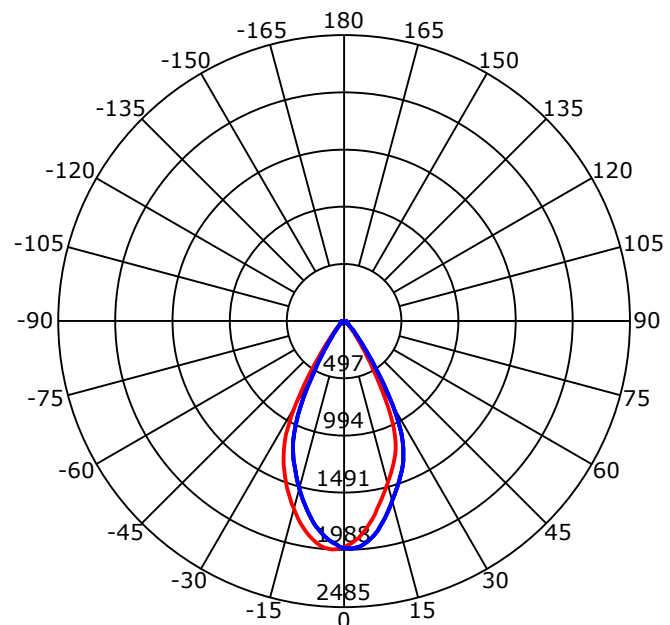
CIE Class: Direct
Luminaire Luminous Flux: 1495.734 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 99.58 lm/W
Beam Angle(50%) C0-180,C90-270: 53.8,53.4
Field Angle(10%) C0-180,C90-270: 76.7,77.2
S/MH C0-180,C90-270: 0.849,0.849

Max. Intensity: 1987.73 cd
Max.Intensity Angle: C=180 Gamma=3
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 1965.23 cd
Effective Luminous Flux: 1320.38 lm
ERP(ϕ use)(120deg): 1444.72 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 53.8 deg,53.4 deg

C0-180 — C90-270 —

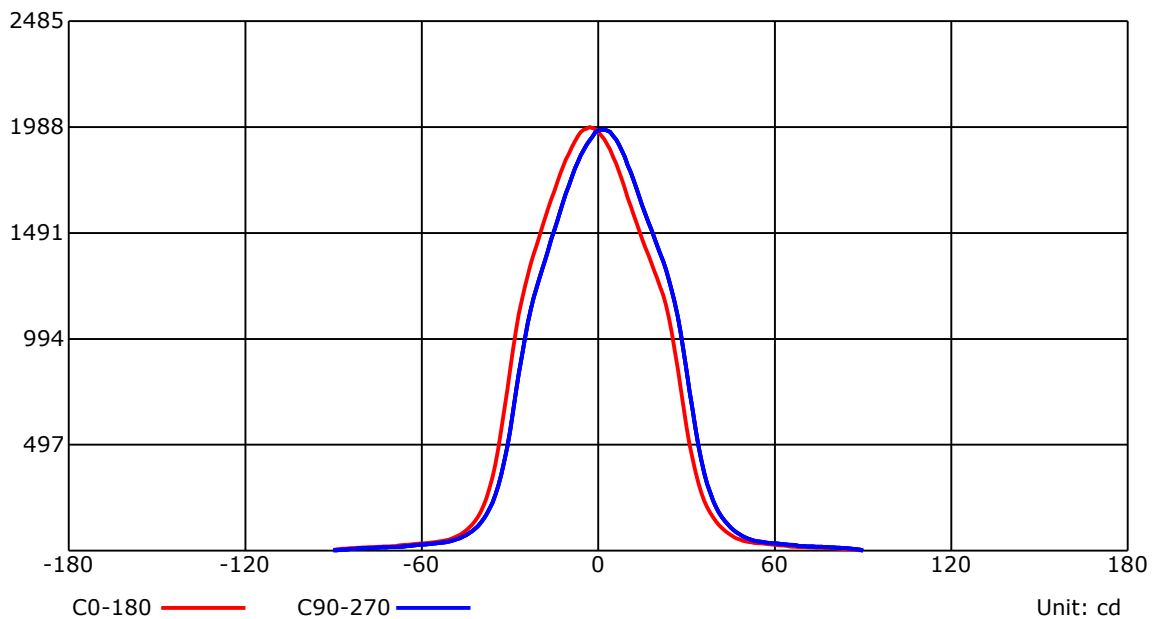
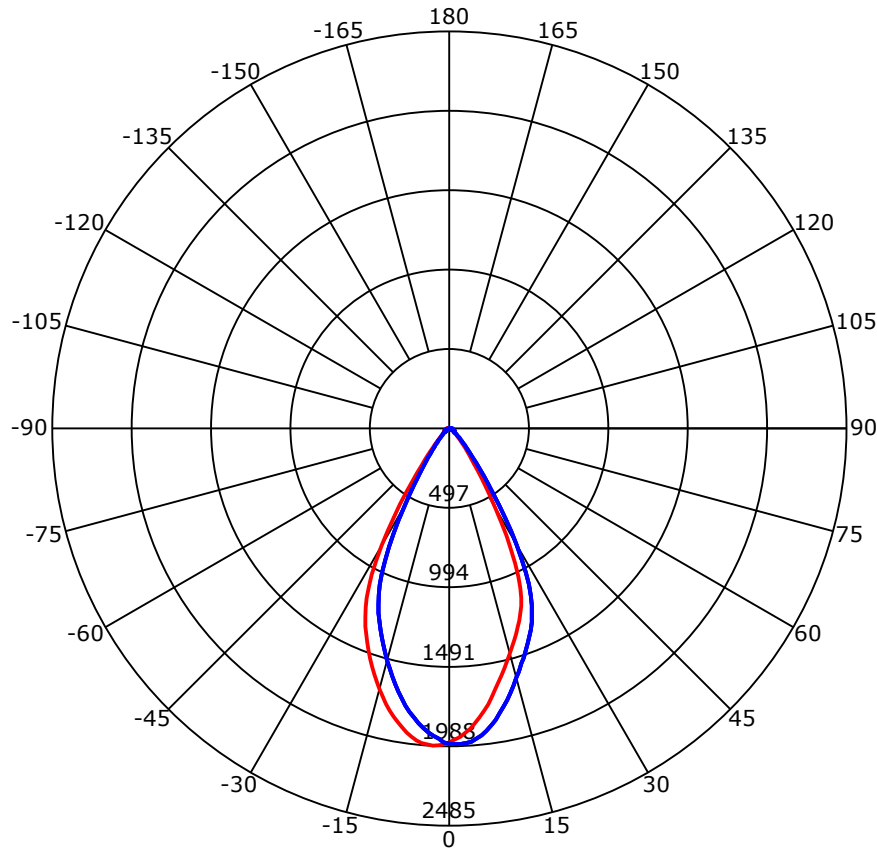
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

Luminous Intensity Distribution Curve



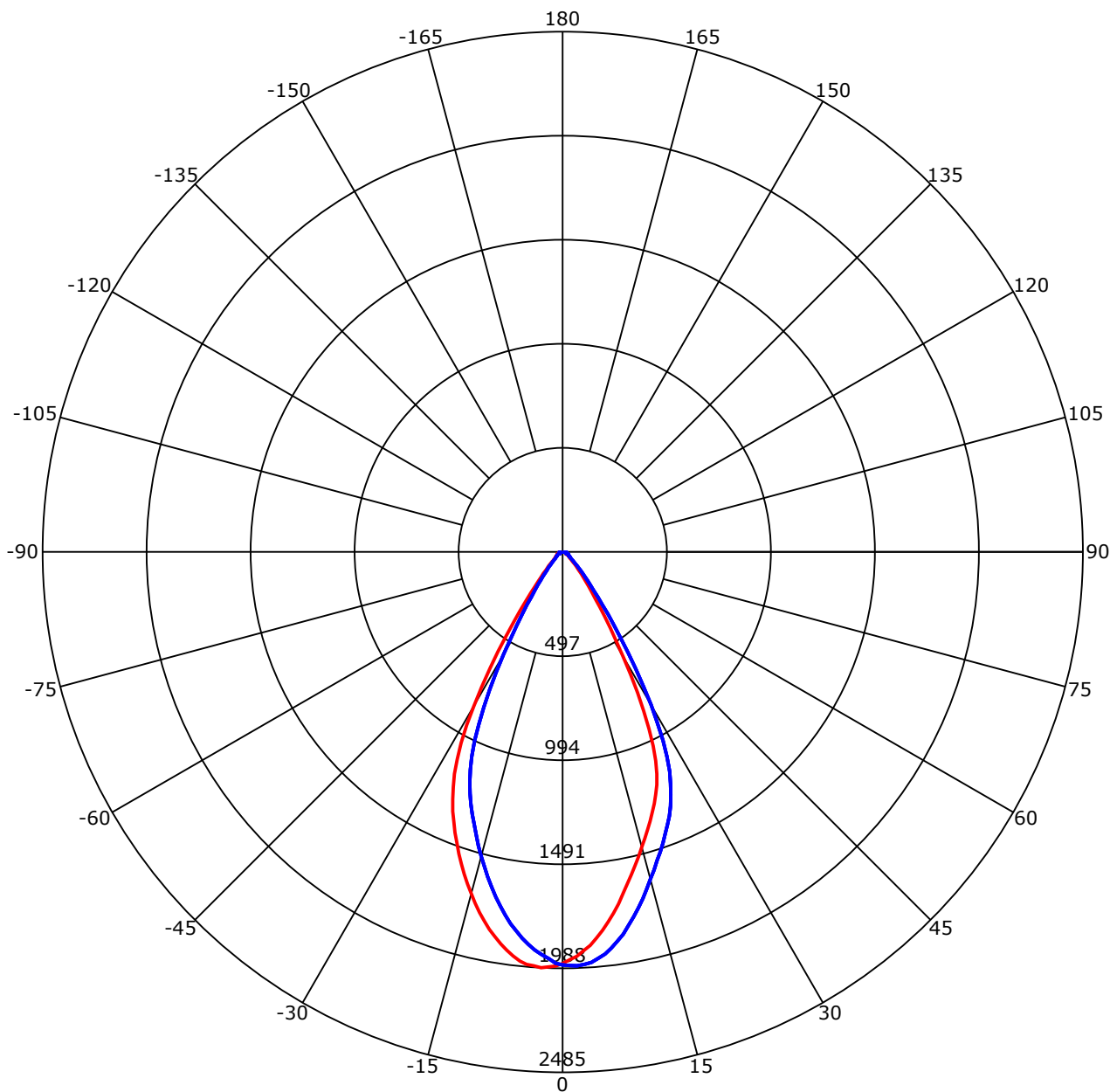
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

Luminous Intensity Distribution Curve



C0-180 — C90-270

Unit: cd/klm

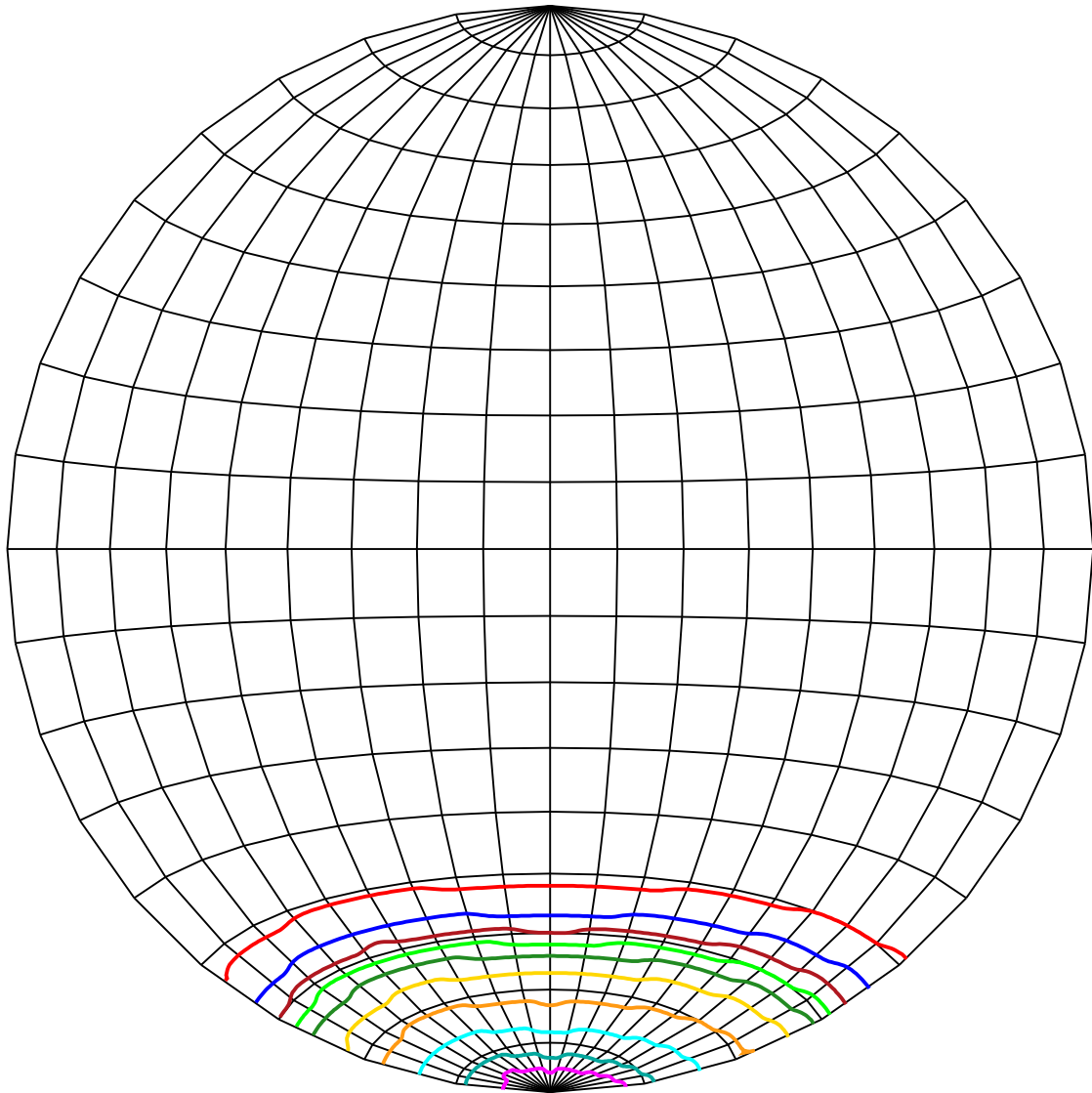
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 1987.726 cd

1888.34(95%I _{max})	993.863(50%I _{max})
1788.953(90%I _{max})	795.09(40%I _{max})
1590.181(80%I _{max})	596.318(30%I _{max})
1391.408(70%I _{max})	397.545(20%I _{max})
1192.636(60%I _{max})	198.773(10%I _{max})

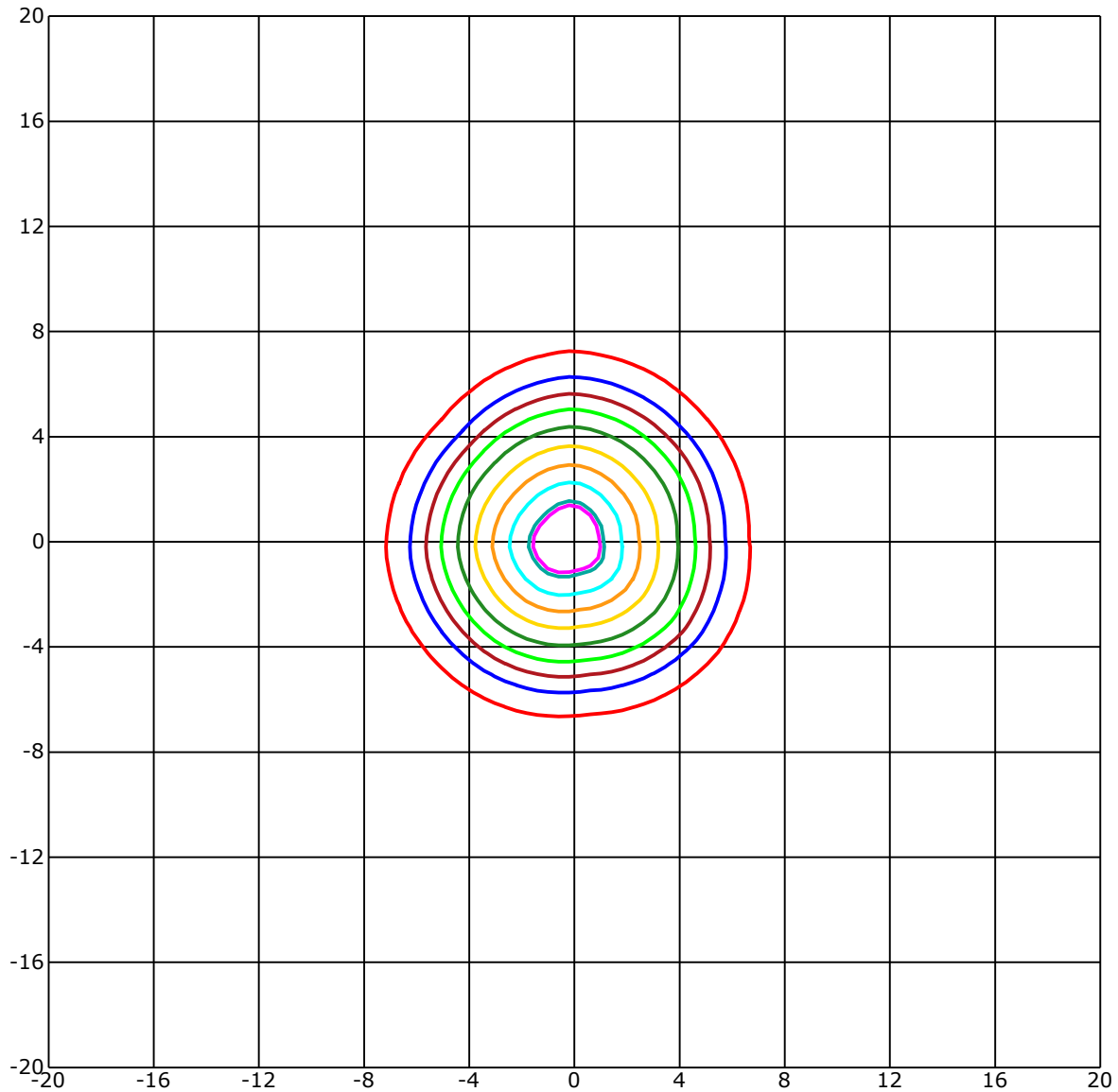
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

ISOLX DIAGRAM



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

18.212(92%Emax)	9.898(50%Emax)
17.816(90%Emax)	7.918(40%Emax)
15.837(80%Emax)	5.939(30%Emax)
13.857(70%Emax)	3.959(20%Emax)
11.878(60%Emax)	1.98(10%Emax)

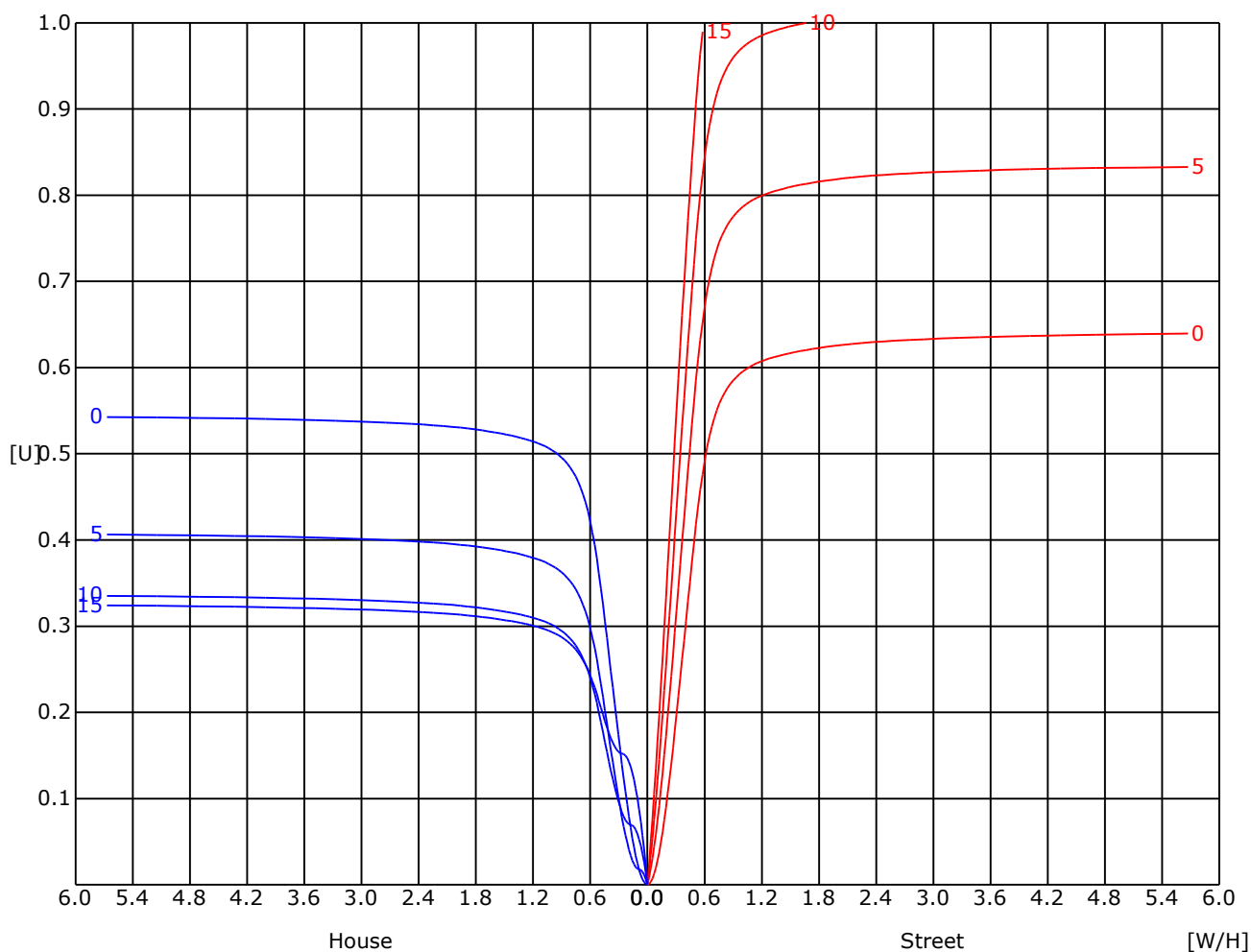
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

UTILIZATION FACTOR DIAGRAM (ROAD)



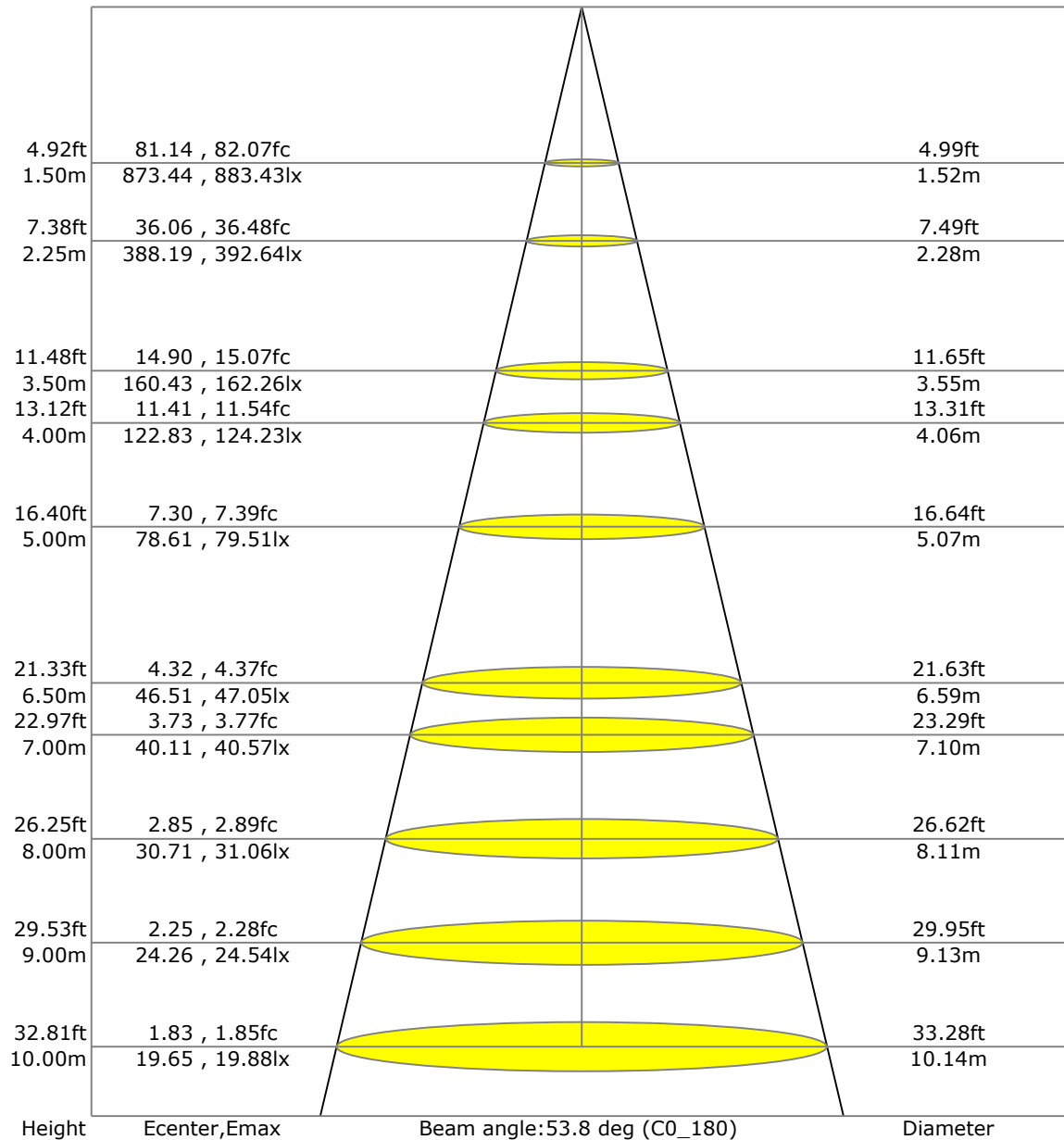
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators: QC01
 Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1600B Goniophotometer
 Humidity: 60
 Test Distance: 6.81 m
 Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

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	14.22	14.28	14.42	14.46	14.71	14.40	14.46	14.60	14.64	14.89
3H	14.25	14.30	14.46	14.49	14.74	14.42	14.47	14.62	14.66	14.91
4H	14.25	14.30	14.46	14.50	14.75	14.41	14.47	14.62	14.66	14.91
6H	14.24	14.29	14.45	14.49	14.74	14.40	14.45	14.62	14.65	14.90
8H	14.23	14.28	14.45	14.48	14.74	14.39	14.44	14.61	14.65	14.90
12H	14.22	14.27	14.44	14.48	14.73	14.38	14.43	14.60	14.64	14.89
4H 2H	14.87	14.93	15.09	15.12	15.37	15.23	15.28	15.44	15.48	15.73
3H	15.03	15.08	15.25	15.29	15.54	15.37	15.42	15.59	15.63	15.88
4H	15.08	15.13	15.31	15.35	15.60	15.41	15.46	15.64	15.68	15.93
6H	15.11	15.16	15.35	15.38	15.64	15.43	15.47	15.66	15.70	15.96
8H	15.11	15.16	15.35	15.38	15.65	15.42	15.47	15.66	15.70	15.96
12H	15.10	15.15	15.35	15.38	15.65	15.41	15.46	15.66	15.69	15.96
8H 4H	15.24	15.29	15.45	15.49	15.74	15.76	15.82	15.98	16.02	16.27
6H	15.78	15.82	16.03	16.06	16.33	16.30	16.35	16.55	16.58	16.86
8H	15.82	15.86	16.08	16.10	16.38	16.33	16.37	16.59	16.61	16.89
12H	15.84	15.88	16.11	16.13	16.41	16.33	16.37	16.60	16.63	16.91
12H 4H	15.84	15.89	16.09	16.12	16.39	16.54	16.58	16.79	16.82	17.08
6H	16.01	16.06	16.27	16.30	16.58	16.71	16.75	16.97	16.99	17.27

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

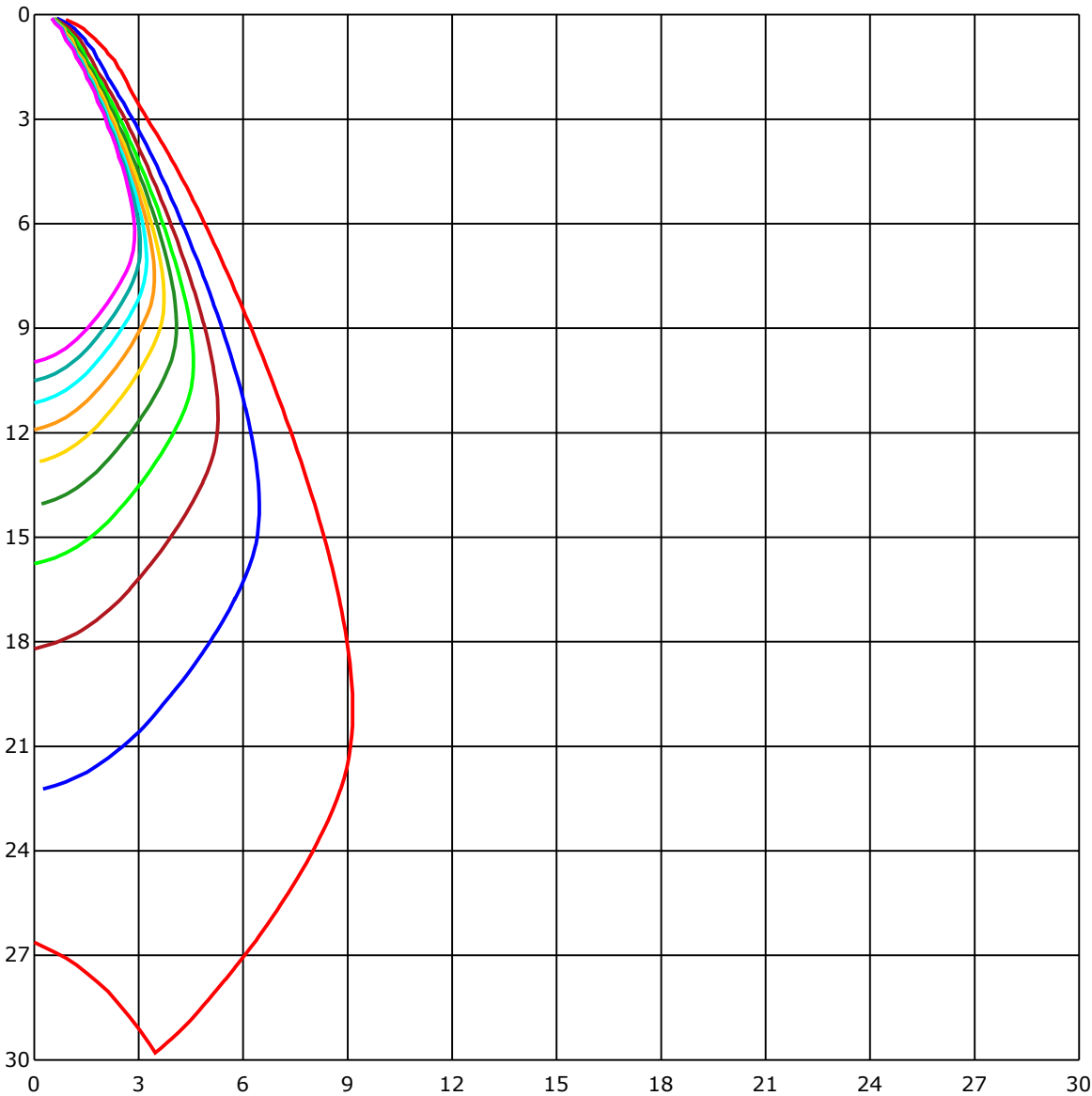
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

SPACE ISOLX DIAGRAM



Unit of illumination:lx

- | | |
|--------|-------|
| 19.776 | 9.888 |
| 17.799 | 7.91 |
| 15.821 | 5.933 |
| 13.843 | 3.955 |
| 11.866 | 1.978 |

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	1965.23	1977.99	1971.91	1979.61	1965.23	1977.99	1971.91	1979.61	1965.23	
G1	1947.19	1973.72	1974.0	1979.24	1977.43	1977.57	1964.45	1970.98	1947.19	
G2	1931.05	1954.15	1976.55	1980.82	1982.81	1979.61	1942.42	1956.24	1931.05	
G3	1906.43	1937.73	1971.73	1970.24	1987.73	1970.57	1925.03	1939.26	1906.43	
G4	1882.96	1918.81	1964.86	1957.77	1980.63	1960.09	1905.55	1918.63	1882.96	
G5	1850.18	1885.84	1946.92	1940.98	1976.13	1941.77	1881.06	1893.35	1850.18	
G6	1816.37	1857.27	1929.9	1922.8	1963.7	1926.6	1854.21	1872.3	1816.37	
G7	1778.85	1823.74	1905.83	1898.55	1943.62	1904.34	1822.35	1838.44	1778.85	
G8	1741.98	1784.74	1876.98	1868.54	1920.16	1880.09	1792.44	1809.46	1741.98	
G9	1701.31	1745.74	1847.86	1833.9	1894.37	1849.57	1754.87	1770.87	1701.31	
G10	1656.0	1711.05	1809.04	1803.38	1865.34	1818.55	1716.01	1730.2	1656.0	
G11	1615.09	1667.55	1773.89	1766.51	1835.38	1782.05	1677.61	1689.25	1615.09	
G12	1575.16	1630.49	1737.16	1731.55	1801.76	1743.51	1634.48	1653.96	1575.16	
G13	1536.95	1590.98	1698.48	1693.38	1766.84	1702.93	1591.35	1612.96	1536.95	
G14	1498.18	1552.67	1657.3	1654.33	1727.6	1661.33	1546.18	1573.87	1498.18	
G15	1459.78	1513.11	1616.58	1614.17	1687.63	1619.78	1504.81	1530.37	1459.78	
G16	1422.91	1475.83	1580.41	1578.04	1648.95	1576.83	1460.15	1490.48	1422.91	
G17	1386.32	1442.16	1539.78	1535.84	1608.32	1533.43	1412.62	1449.67	1386.32	
G18	1350.84	1403.81	1507.04	1496.84	1565.84	1490.44	1367.96	1411.09	1350.84	
G19	1313.09	1367.26	1469.2	1454.45	1524.24	1446.38	1325.75	1369.3	1313.09	
G20	1278.22	1330.9	1432.05	1415.77	1478.56	1401.58	1282.07	1333.22	1278.22	
G21	1239.26	1292.78	1395.46	1368.65	1434.69	1355.34	1236.39	1295.84	1239.26	
G22	1199.29	1254.29	1359.14	1324.87	1389.66	1305.49	1184.96	1252.53	1199.29	
G23	1150.68	1210.65	1318.43	1274.0	1345.28	1257.21	1129.86	1210.23	1150.68	
G24	1091.46	1161.77	1269.5	1222.52	1292.41	1200.26	1068.78	1167.19	1091.46	
G25	1022.04	1104.59	1219.04	1162.09	1238.15	1145.03	995.6	1111.22	1022.04	
G26	939.95	1028.02	1165.15	1090.07	1179.48	1076.34	916.76	1046.89	939.95	
G27	851.28	950.11	1095.17	1005.71	1111.5	997.69	832.17	967.96	851.28	
G28	759.59	861.71	1018.51	917.13	1032.94	908.18	745.08	882.49	759.59	
G29	668.33	773.97	933.69	817.89	945.05	815.48	653.67	792.2	668.33	
G30	579.38	683.21	844.51	716.65	851.28	721.7	563.79	697.5	579.38	
G31	500.26	596.67	751.85	619.31	752.68	631.36	487.27	606.92	500.26	
G32	429.4	515.8	659.75	530.45	655.43	546.26	416.83	524.61	429.4	
G33	369.39	443.26	572.93	450.78	566.53	468.72	355.8	449.89	369.39	
G34	317.26	382.05	493.86	382.0	481.06	398.93	305.99	385.62	317.26	
G35	272.41	329.22	425.5	322.08	407.92	341.98	262.91	331.4	272.41	
G36	234.99	284.1	366.19	274.04	345.41	291.61	225.57	286.09	234.99	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

Report No.:

Test Time: 2024/9/20 10:51:43

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	204.57	246.4	314.94	233.55	292.08	249.97	195.24	247.37	204.57	
G38	178.08	213.65	272.51	199.09	247.51	215.7	170.34	215.83	178.08	
G39	156.24	186.52	235.5	170.25	211.8	186.71	148.96	188.1	156.24	
G40	137.64	163.38	204.57	147.48	181.84	162.83	130.78	165.93	137.64	
G41	121.0	144.23	179.66	128.09	157.73	142.84	115.15	146.46	121.0	
G42	106.48	127.3	158.47	111.91	138.11	126.0	101.98	129.85	106.48	
G43	94.14	111.58	139.22	97.81	121.23	112.28	91.13	115.24	94.14	
G44	83.15	98.69	123.17	86.03	106.62	99.89	81.76	102.95	83.15	
G45	73.46	87.28	109.12	75.45	94.47	89.65	73.04	91.73	73.46	
G46	65.02	77.12	96.6	67.06	84.36	80.6	65.81	81.81	65.02	
G47	58.02	68.5	85.84	59.69	75.08	73.14	59.55	73.41	58.02	
G48	52.27	60.85	76.61	53.75	67.62	66.32	53.98	66.23	52.27	
G49	47.16	54.35	68.08	48.56	61.31	60.66	49.34	60.38	47.16	
G50	43.69	48.51	61.31	44.85	56.21	55.79	45.17	55.6	43.69	
G51	41.18	44.57	55.6	41.51	51.99	51.76	42.34	51.57	41.18	
G52	38.82	41.09	51.29	39.28	48.51	48.0	39.88	47.95	38.82	
G53	37.01	38.72	47.49	37.38	45.91	45.4	37.7	45.63	37.01	
G54	35.48	36.82	44.52	35.8	43.59	43.04	36.13	43.41	35.48	
G55	34.27	35.06	42.2	34.36	41.55	41.18	34.78	41.27	34.27	
G56	32.79	33.53	40.44	33.21	40.12	39.51	33.48	39.61	32.79	
G57	31.77	32.37	38.54	31.81	38.54	38.03	32.23	38.03	31.77	
G58	30.38	30.93	37.15	30.79	36.87	36.59	30.89	36.68	30.38	
G59	29.26	29.87	35.66	29.5	35.52	35.34	29.59	35.34	29.26	
G60	27.78	28.71	34.36	28.52	34.18	33.9	28.57	34.09	27.78	
G61	26.53	27.55	32.97	27.22	32.83	32.6	27.13	32.37	26.53	
G62	25.09	26.3	31.72	26.34	31.54	31.21	25.83	30.93	25.09	
G63	24.02	25.18	30.52	25.18	30.42	30.01	24.63	29.4	24.02	
G64	22.35	23.88	29.22	24.63	29.03	28.8	23.14	27.96	22.35	
G65	20.64	22.54	28.06	23.28	28.06	27.27	21.43	26.53	20.64	
G66	19.11	21.01	26.71	22.31	26.9	25.92	19.57	24.63	19.11	
G67	18.27	19.52	25.23	20.68	25.74	23.93	18.27	22.59	18.27	
G68	17.58	18.23	23.47	19.34	23.79	22.31	17.9	21.43	17.58	
G69	17.48	17.81	21.89	18.23	22.08	21.43	17.58	20.73	17.48	
G70	16.79	17.34	21.05	18.09	21.19	20.92	16.97	20.22	16.79	
G71	16.37	16.97	20.41	17.44	20.59	20.5	16.51	19.76	16.37	
G72	15.81	16.42	19.99	17.07	19.94	19.76	16.09	19.2	15.81	
G73	15.26	16.14	19.39	16.6	19.43	19.29	15.44	18.64	15.26	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators: QC01

Test Date: 2024/9/20 10:51:43

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 60

Test Distance: 6.81 m

Remarks:

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks: