

Report No.:

Test Time: 2024-11-26 08:35:51

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: Azarteyf Lighting Co.
Luminaire Type: Azarteyf SR-2200LM
Lamp Type:
Luminous Width: 80 mm
Luminous Length: 80 mm
Luminous Height: 80 mm

Voltage(V): 0.00 V
Current(A): 0.0000 A
Power(W): 0.00 W
Power Factor: 0.0000
Lamp Luminous Flux: 2144.90

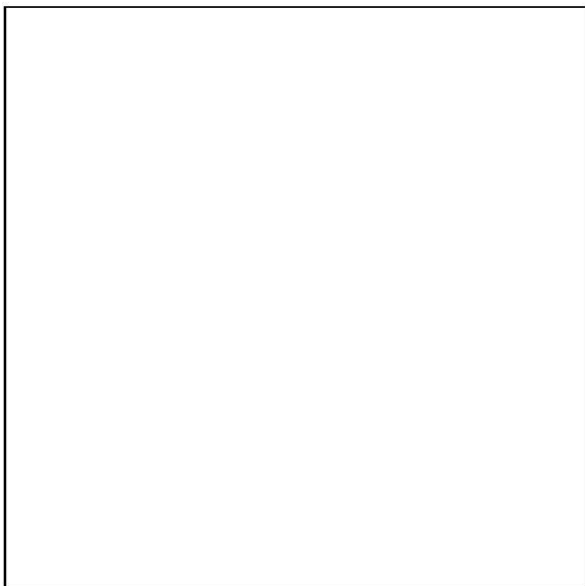
Photometric Results

CIE Class: Direct
Luminaire Luminous Flux: 2144.902
Downward Ratio: 100.00%

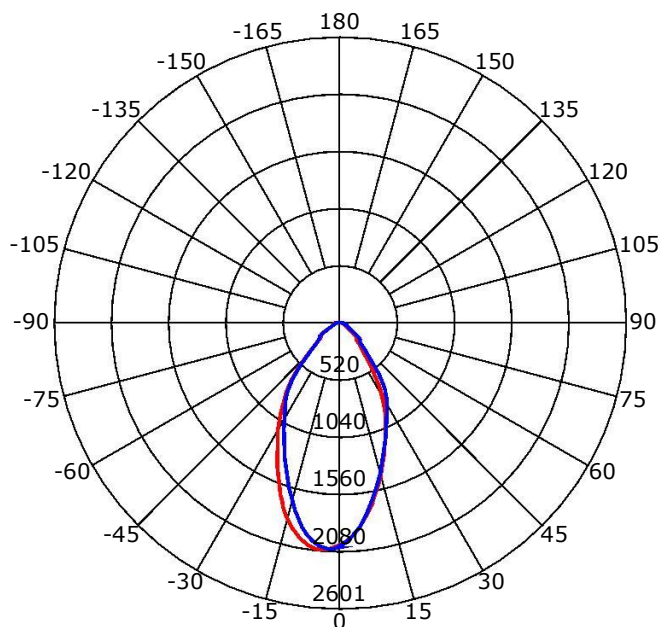
Beam Angle(50%) C0-180,C90-270: 55.7,54.0
Field Angle(10%) C0-180,C90-270: 107.6,109.8

Max. Intensity: 2080.41 cd
Max.Intensity Angle: C=225 Gamma=5
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 2029.16 cd
Effective Luminous Flux: 1874.17 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 55.7 deg,54.0 deg

C0-180 — C90-270 —

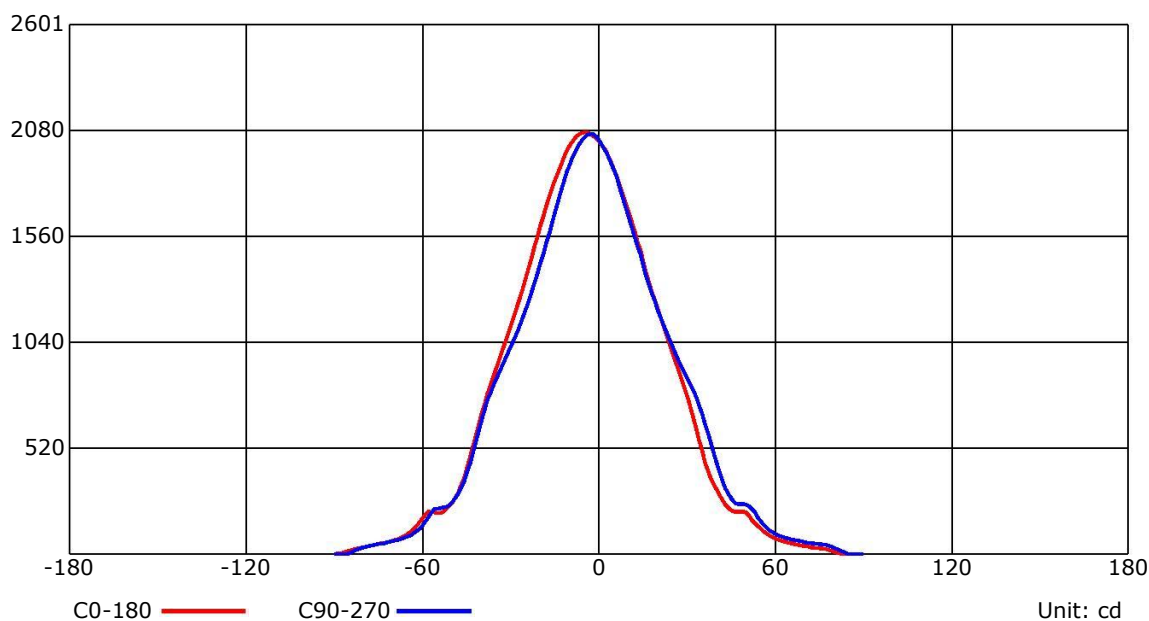
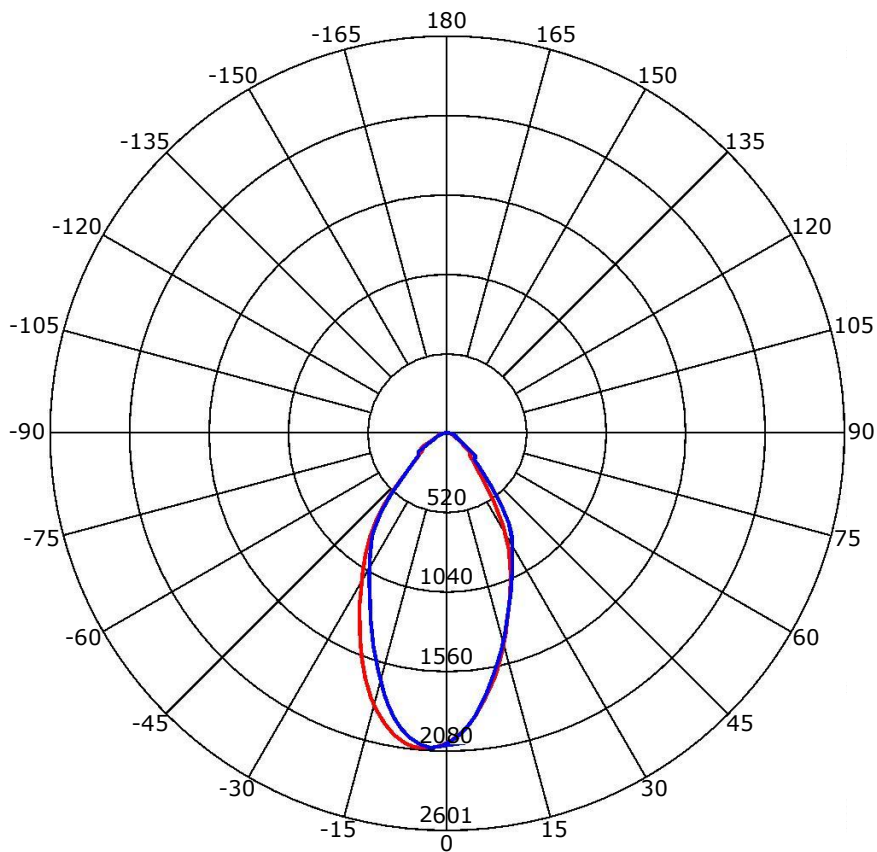
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2024-11-26 08:35:51

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.813 m
Remarks:

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Luminous Intensity Distribution Curve



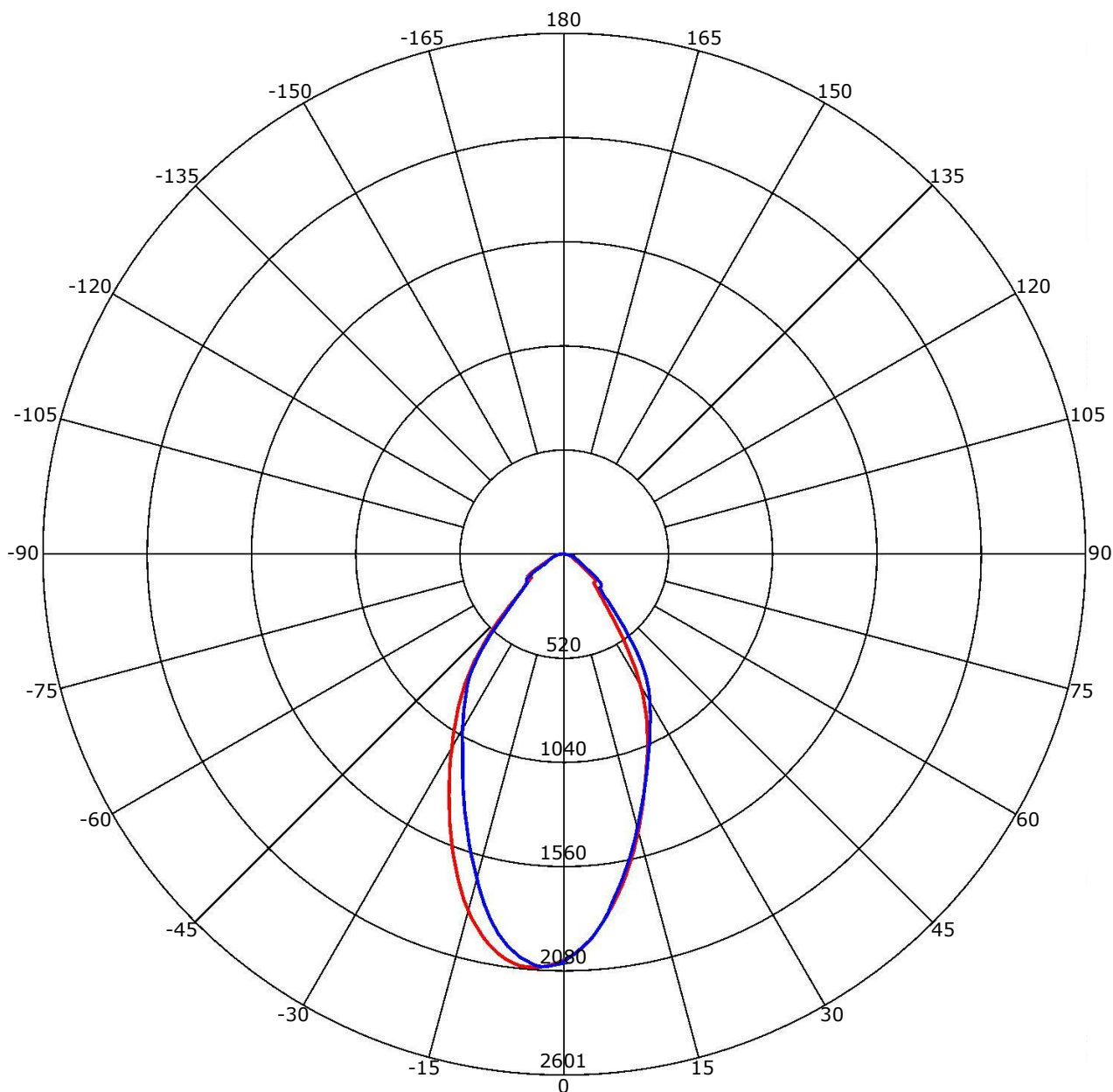
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Test Speed: High
Temperature:
Operators:
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Luminous Intensity Distribution Curve



C0-180 — C90-270

Unit: cd/klm

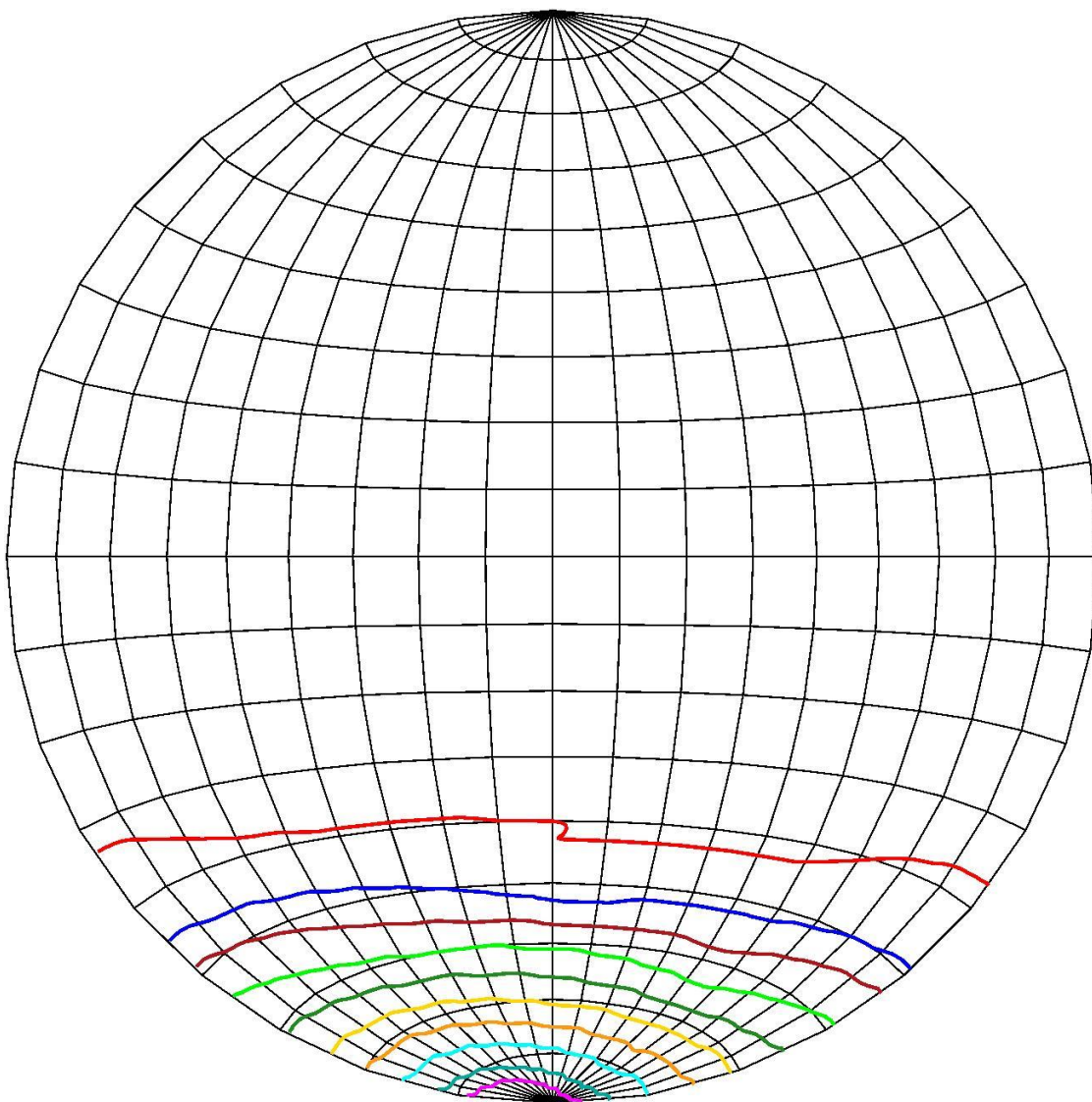
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ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd Imax(100%): 2080.409 cd

1976.388(95%Imax)	1040.204(50%Imax)
1872.368(90%Imax)	832.164(40%Imax)
1664.327(80%Imax)	624.123(30%Imax)
1456.286(70%Imax)	416.082(20%Imax)
1248.245(60%Imax)	208.041(10%Imax)

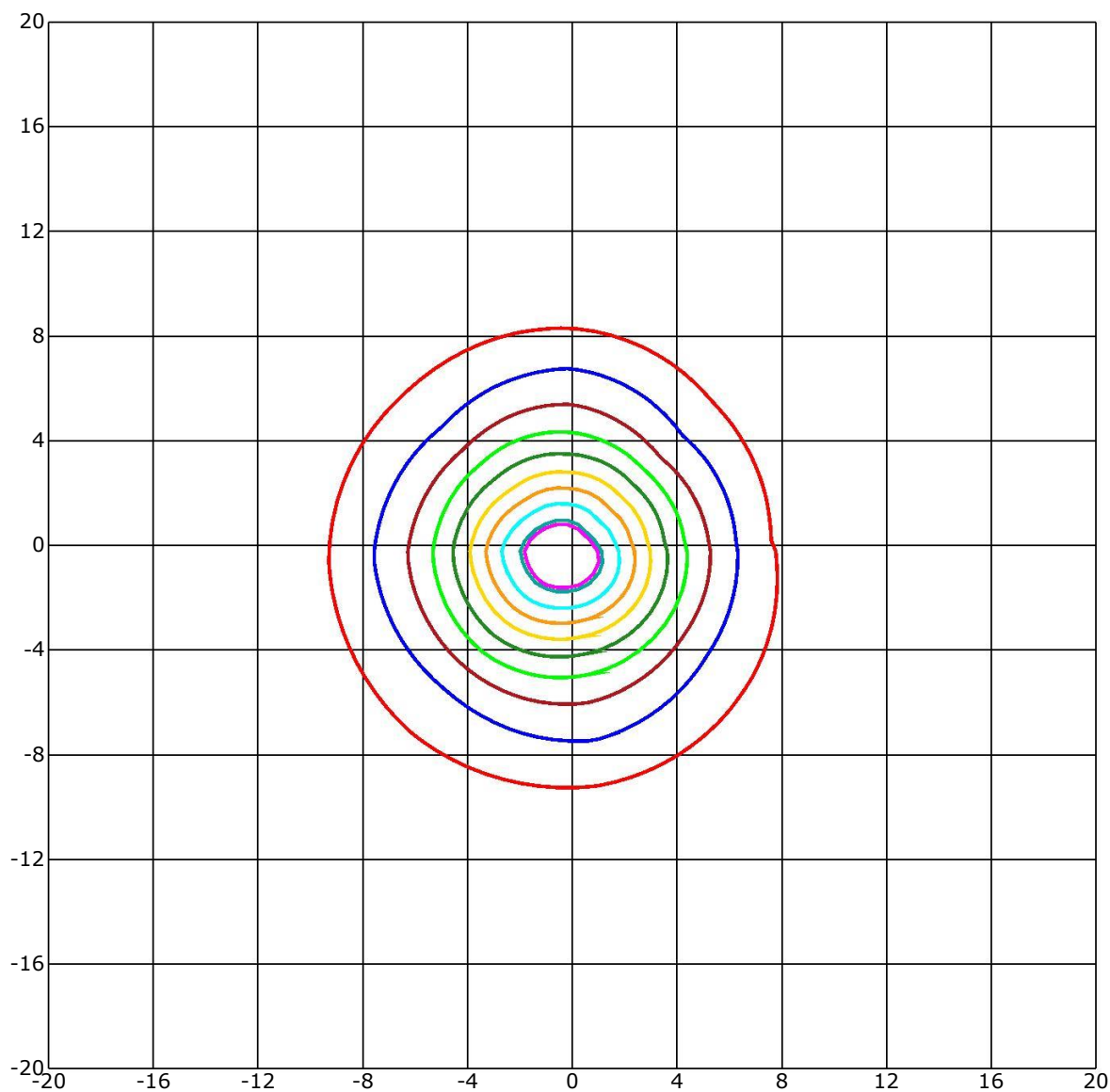
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Operators:
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ISOLX DIAGRAM



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

18.976(1%Emax)	10.313(0%Emax)
18.564(1%Emax)	8.25(0%Emax)
16.501(1%Emax)	6.188(0%Emax)
14.438(1%Emax)	4.125(0%Emax)
12.376(1%Emax)	2.063(0%Emax)

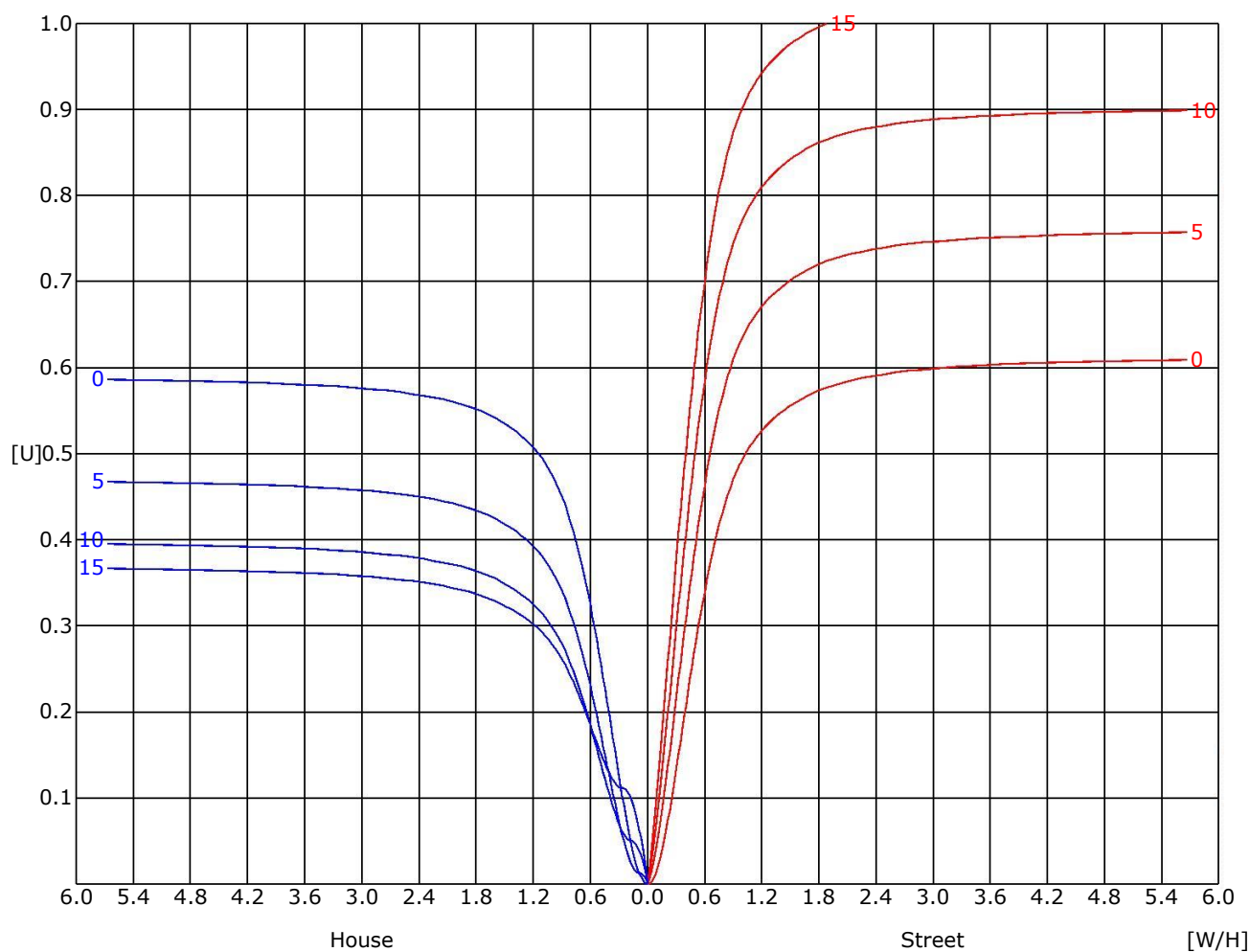
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UTILIZATION FACTOR DIAGRAM (ROAD)



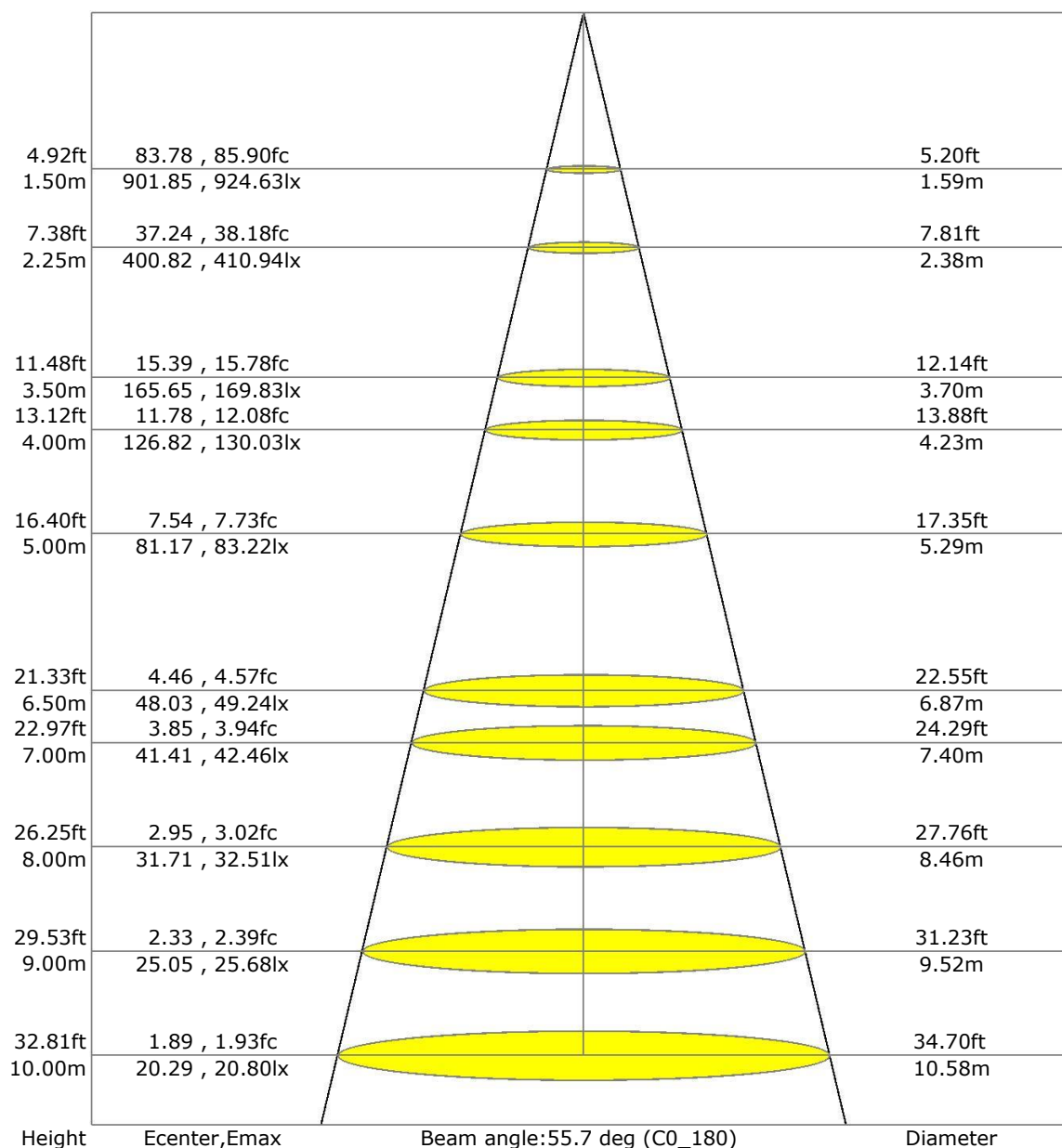
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
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G Range: 0 - 90 Deg
G Interval: 1.0 Deg
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Humidity:
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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2024-11-26 08:35:51

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.813 m
Remarks:

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UGR(Unified Glare Rating) TABLE

RHOCC	70	70	50	50	30	70	70	50	50	30
RHOW	70	70	50	50	30	70	70	50	50	30
RHOF	20	20	20	20	20	20	20	20	20	20
Room Size X Y	Viewed Endwise					Viewed Crosswise				
2H 2H	18.86	18.92	19.06	19.11	19.35	19.51	19.57	19.71	19.76	20.00
3H	18.90	18.95	19.10	19.15	19.39	19.52	19.58	19.73	19.77	20.02
4H	18.89	18.95	19.10	19.15	19.40	19.51	19.57	19.72	19.76	20.01
6H	18.88	18.94	19.09	19.14	19.39	19.49	19.54	19.70	19.75	20.00
8H	18.87	18.92	19.09	19.13	19.38	19.47	19.53	19.69	19.74	19.99
12H	18.85	18.91	19.08	19.12	19.37	19.46	19.52	19.68	19.73	19.98
4H 2H	19.77	19.82	19.98	20.02	20.27	20.73	20.79	20.94	20.99	21.24
3H	19.86	19.92	20.08	20.12	20.38	20.81	20.86	21.03	21.07	21.32
4H	19.88	19.93	20.11	20.15	20.40	20.80	20.86	21.03	21.07	21.33
6H	19.87	19.93	20.11	20.15	20.41	20.78	20.84	21.02	21.06	21.32
8H	19.86	19.91	20.10	20.14	20.40	20.77	20.82	21.01	21.04	21.31
12H	19.85	19.89	20.09	20.13	20.40	20.75	20.80	21.00	21.03	21.30
8H 4H	19.90	19.96	20.12	20.16	20.42	21.29	21.34	21.50	21.55	21.80
6H	20.03	20.08	20.28	20.31	20.59	21.40	21.45	21.66	21.69	21.96
8H	20.01	20.06	20.28	20.30	20.58	21.39	21.43	21.65	21.68	21.95
12H	20.00	20.04	20.26	20.29	20.57	21.37	21.41	21.64	21.66	21.94
12H 4H	20.02	20.07	20.27	20.30	20.57	21.44	21.49	21.69	21.72	21.99
6H	20.01	20.05	20.27	20.30	20.58	21.41	21.46	21.67	21.70	21.98

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ZONAL LUMINOUS FLUX TABLE

[illegible]

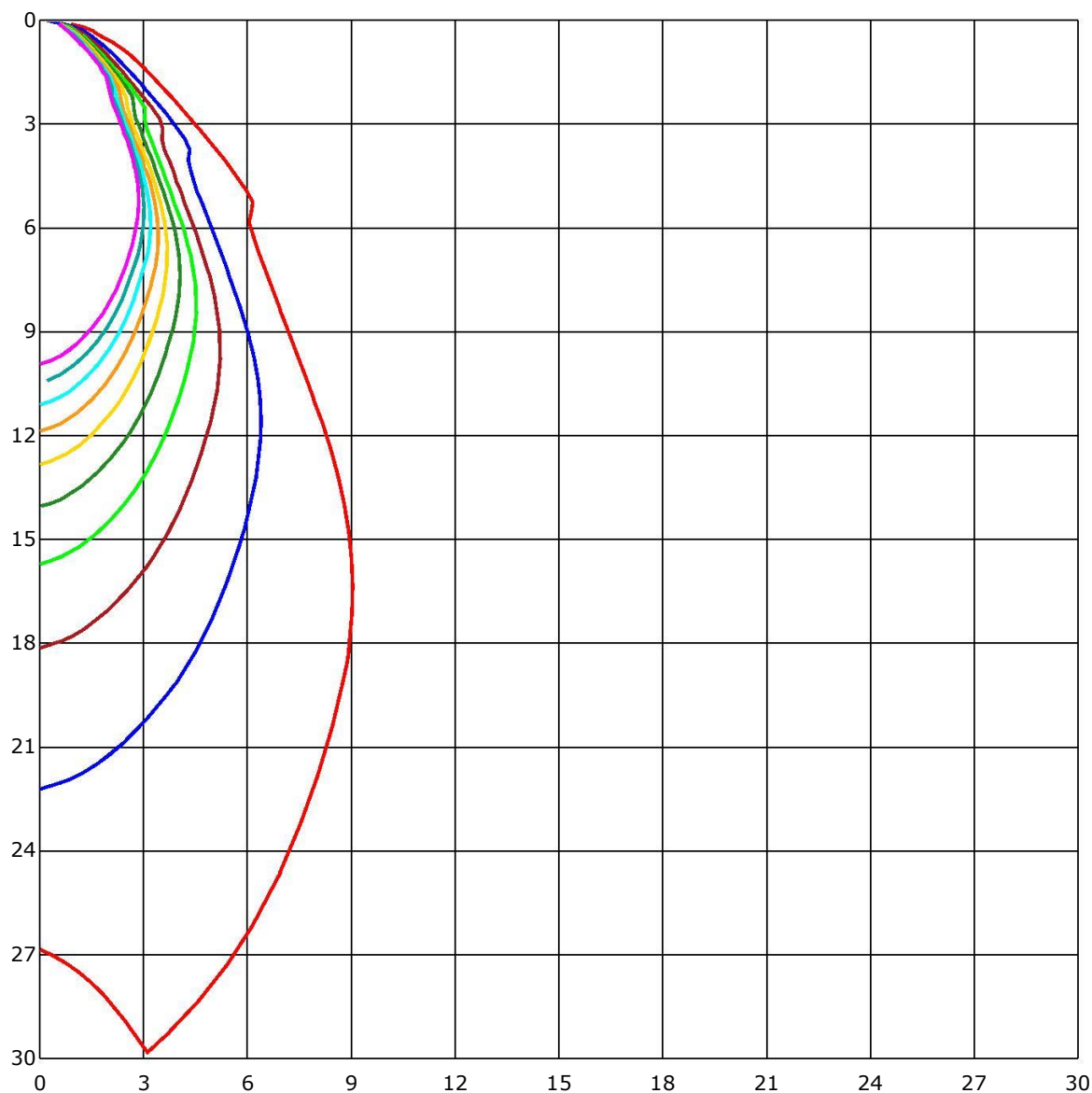
C Range: 0 - 360 Deg
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Test Speed: High
Temperature:
Operators:
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G Range: 0 - 90 Deg
G Interval: 1.0 Deg
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Humidity:
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SPACE ISOLX DIAGRAM



Unit of illumination:lx

20.577	10.289
18.519	8.231
16.462	6.173
14.404	4.115
12.346	2.058

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G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.813 m
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	2029.16	2010.83	2033.11	2029.3	2029.16	2010.83	2033.11	2029.3	2029.16	
G1	2010.69	1981.63	2010.83	2022.81	2044.3	2035.11	2050.66	2033.3	2010.69	
G2	1988.69	1948.4	1985.72	2014.96	2056.37	2054.79	2061.1	2033.67	1988.69	
G3	1962.79	1910.89	1958.1	2005.35	2064.77	2069.27	2063.88	2028.89	1962.79	
G4	1930.34	1870.33	1927.47	1990.82	2069.97	2077.76	2058.78	2017.47	1930.34	
G5	1894.05	1826.55	1891.63	1970.82	2071.17	2080.41	2046.71	1998.25	1894.05	
G6	1854.59	1782.18	1849.62	1945.43	2068.2	2077.39	2029.12	1971.42	1854.59	
G7	1812.58	1736.69	1803.02	1914.61	2060.5	2068.06	2007.07	1939.07	1812.58	
G8	1768.77	1689.81	1753.12	1878.82	2047.59	2052.23	1981.63	1901.75	1768.77	
G9	1724.02	1641.91	1705.92	1836.95	2029.91	2030.74	1951.46	1863.27	1724.02	
G10	1679.23	1593.87	1658.39	1791.93	2007.4	2005.17	1916.7	1823.26	1679.23	
G11	1633.18	1546.15	1610.58	1745.14	1980.66	1974.9	1876.73	1780.69	1633.18	
G12	1585.42	1498.34	1562.86	1697.01	1951.05	1940.55	1830.73	1735.76	1585.42	
G13	1536.82	1450.67	1514.4	1648.5	1918.32	1902.77	1782.37	1687.49	1536.82	
G14	1487.29	1401.42	1466.03	1598.65	1882.9	1862.67	1731.54	1636.9	1487.29	
G15	1436.47	1354.22	1416.97	1550.7	1843.78	1819.55	1678.62	1585.51	1436.47	
G16	1386.01	1306.5	1369.67	1504.19	1800.47	1773.59	1626.22	1534.96	1386.01	
G17	1337.32	1258.27	1324.46	1458.65	1755.35	1727.59	1575.62	1485.71	1337.32	
G18	1288.81	1210.32	1280.18	1415.72	1708.24	1681.83	1525.59	1436.61	1288.81	
G19	1240.45	1161.77	1237.62	1373.85	1659.87	1635.22	1475.83	1387.4	1240.45	
G20	1194.54	1112.57	1196.12	1331.33	1610.58	1586.35	1427.0	1336.9	1194.54	
G21	1150.07	1061.14	1155.64	1288.21	1559.15	1536.5	1378.96	1285.56	1150.07	
G22	1107.97	1008.87	1117.63	1245.55	1507.35	1487.76	1332.21	1235.57	1107.97	
G23	1066.8	957.4	1082.72	1203.92	1454.94	1437.53	1286.21	1184.79	1066.8	
G24	1026.65	907.08	1050.37	1162.33	1403.19	1389.31	1242.26	1134.57	1026.65	
G25	986.31	858.76	1016.95	1120.41	1353.8	1342.1	1198.63	1085.0	986.31	
G26	945.79	813.32	982.55	1075.57	1304.41	1293.97	1157.41	1034.59	945.79	
G27	904.48	773.07	950.99	1029.44	1256.51	1246.02	1118.0	984.74	904.48	
G28	862.47	736.5	920.87	980.7	1209.49	1196.44	1080.68	934.7	862.47	
G29	818.01	702.15	890.65	931.73	1163.12	1145.71	1045.59	885.78	818.01	
G30	771.45	670.77	860.94	885.03	1118.51	1095.49	1011.89	841.45	771.45	
G31	722.39	641.11	831.61	841.54	1075.44	1043.5	980.28	799.72	722.39	
G32	671.28	610.75	802.18	800.79	1034.08	990.54	949.64	760.31	671.28	
G33	617.07	578.82	770.24	763.51	994.39	937.11	917.94	723.64	617.07	
G34	561.97	544.61	732.92	727.12	954.05	886.56	886.61	688.46	561.97	
G35	506.59	507.66	689.06	689.52	913.02	838.8	855.46	653.55	506.59	
G36	455.58	469.09	640.97	653.83	871.01	795.68	824.97	620.27	455.58	

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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	409.07	428.99	591.77	618.46	828.78	755.48	792.48	587.17	409.07	
G38	369.48	388.23	541.41	582.49	783.8	716.77	754.37	553.24	369.48	
G39	336.8	353.09	490.16	547.49	735.34	680.98	709.58	518.2	336.8	
G40	308.35	321.11	442.82	511.1	685.86	647.19	659.54	483.02	308.35	
G41	284.63	294.75	398.72	473.04	635.08	614.28	607.41	445.88	284.63	
G42	262.95	273.95	358.76	435.39	582.25	581.84	552.87	408.52	262.95	
G43	244.48	255.53	324.64	397.93	527.34	547.3	497.13	370.96	244.48	
G44	228.7	238.49	294.56	360.85	472.99	509.43	444.81	335.69	228.7	
G45	216.49	223.78	269.78	327.61	420.91	469.83	397.65	306.07	216.49	
G46	209.25	211.38	255.01	296.6	373.98	431.07	358.15	282.26	209.25	
G47	207.25	201.64	247.59	270.38	334.3	390.37	325.94	262.26	207.25	
G48	208.78	194.02	247.54	248.52	302.87	352.26	298.04	245.59	208.78	
G49	210.36	187.2	248.42	229.44	276.27	317.07	272.98	230.92	210.36	
G50	204.37	180.38	244.01	213.84	253.95	286.72	253.81	217.51	204.37	
G51	188.22	173.79	236.4	201.64	236.03	261.14	239.88	205.91	188.22	
G52	168.77	167.66	222.94	191.38	220.81	240.21	232.04	196.48	168.77	
G53	152.2	160.51	205.02	183.9	208.83	224.05	230.55	188.36	152.2	
G54	136.98	151.18	181.86	177.41	203.07	210.18	228.19	181.07	136.98	
G55	122.17	142.59	158.47	171.7	202.56	198.57	224.15	174.16	122.17	
G56	109.17	135.03	138.42	166.03	204.33	188.27	221.18	167.24	109.17	
G57	99.01	127.69	124.77	159.3	207.39	178.61	204.42	159.54	99.01	
G58	90.1	120.36	114.14	151.32	207.99	170.63	181.68	150.76	90.1	
G59	82.16	113.58	104.9	143.1	197.74	164.04	158.65	142.31	82.16	
G60	75.66	107.08	96.87	134.66	182.14	158.7	137.26	134.47	75.66	
G61	70.32	100.68	90.28	126.86	162.74	153.92	122.36	127.09	70.32	
G62	65.73	94.23	84.8	120.13	143.89	146.86	110.66	120.27	65.73	
G63	61.73	87.59	80.49	113.26	126.3	138.04	101.33	113.63	61.73	
G64	58.07	80.07	76.54	106.62	113.35	129.69	92.97	107.46	58.07	
G65	54.73	72.6	72.97	101.05	102.58	122.54	85.73	101.47	54.73	
G66	51.71	65.22	69.9	95.67	93.76	116.18	79.61	95.57	51.71	
G67	48.88	57.7	67.07	90.23	86.06	109.78	74.59	89.35	48.88	
G68	46.23	50.55	64.57	84.62	79.51	103.97	70.51	82.62	46.23	
G69	43.54	44.1	62.11	78.4	74.04	98.45	66.79	75.43	43.54	
G70	40.99	38.76	59.46	71.9	69.16	92.93	63.27	68.14	40.99	
G71	38.48	34.72	56.95	64.8	64.84	87.45	60.25	60.34	38.48	
G72	36.25	31.24	54.63	57.19	60.76	81.93	57.23	53.01	36.25	
G73	33.93	28.45	52.45	49.76	56.95	76.12	54.63	46.7	33.93	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

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G Range: 0 - 90 Deg

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Test System: Huipu CPM-1800B Goniophotometer

Humidity:

Test Distance: 6.813 m

Remarks:



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