

Report No.:

Test Time: 2024/9/26 10:23:05

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: InBright
Luminaire Type: IBSP150CT095H86-24°-10.7W
Lamp Type:
Luminous Width: 88 mm
Luminous Length: 88 mm
Luminous Height: 82 mm

Voltage(V): 219.90 V
Current(A): 0.0520 A
Power(W): 10.64 W
Power Factor: 0.9190
Lamp Luminous Flux: 1128.95

Photometric Results

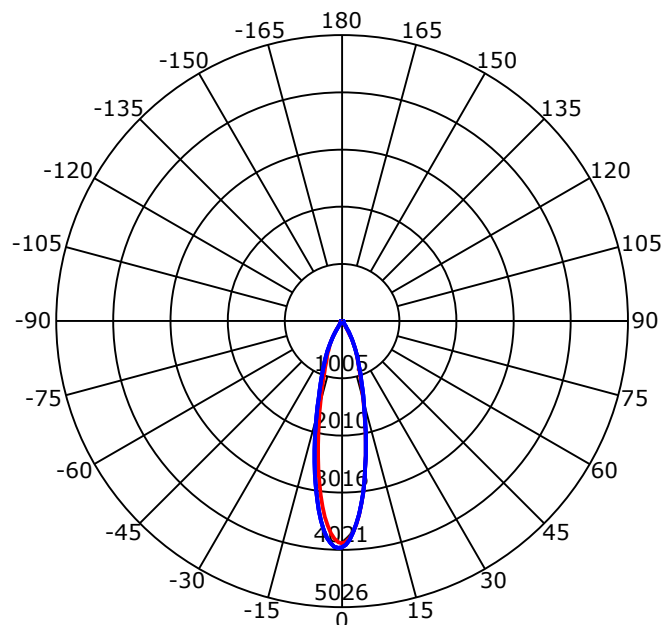
CIE Class: Direct
Luminaire Luminous Flux: 1128.95 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 106.10 lm/W
Beam Angle(50%) C0-180,C90-270: 24.3,25.6
Field Angle(10%) C0-180,C90-270: 56.2,56.8
S/MH C0-180,C90-270: 0.425,0.462

Max. Intensity: 4020.76 cd
Max.Intensity Angle: C=315 Gamma=2
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 3906.35 cd
Effective Luminous Flux: 967.29 lm
ERP(ϕ use)(120deg): 1112.93 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 24.3 deg,25.6 deg

C0-180 — C90-270 —

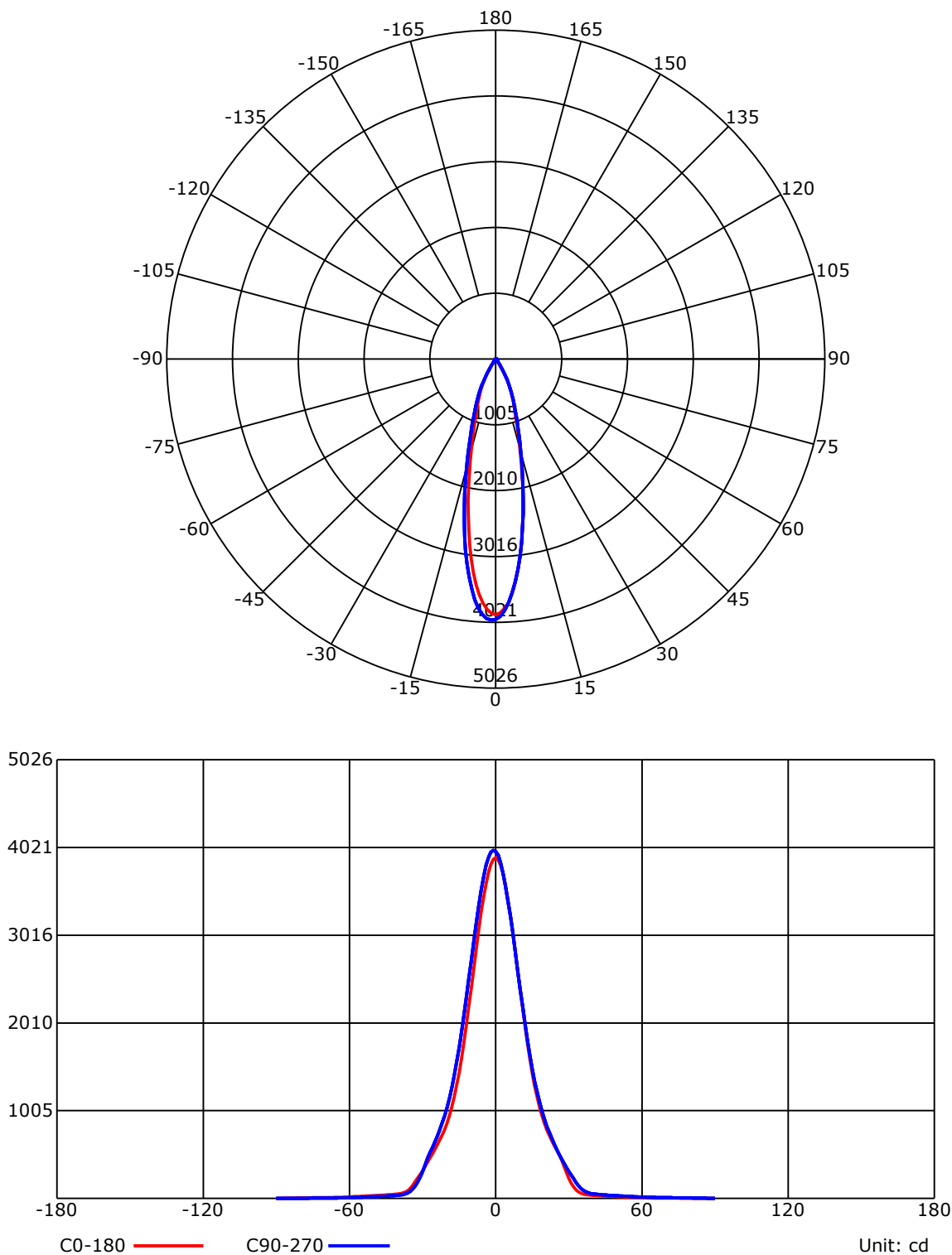
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/26 10:23:05

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: 2024/9/26 10:23:05

Luminous Intensity Distribution Curve



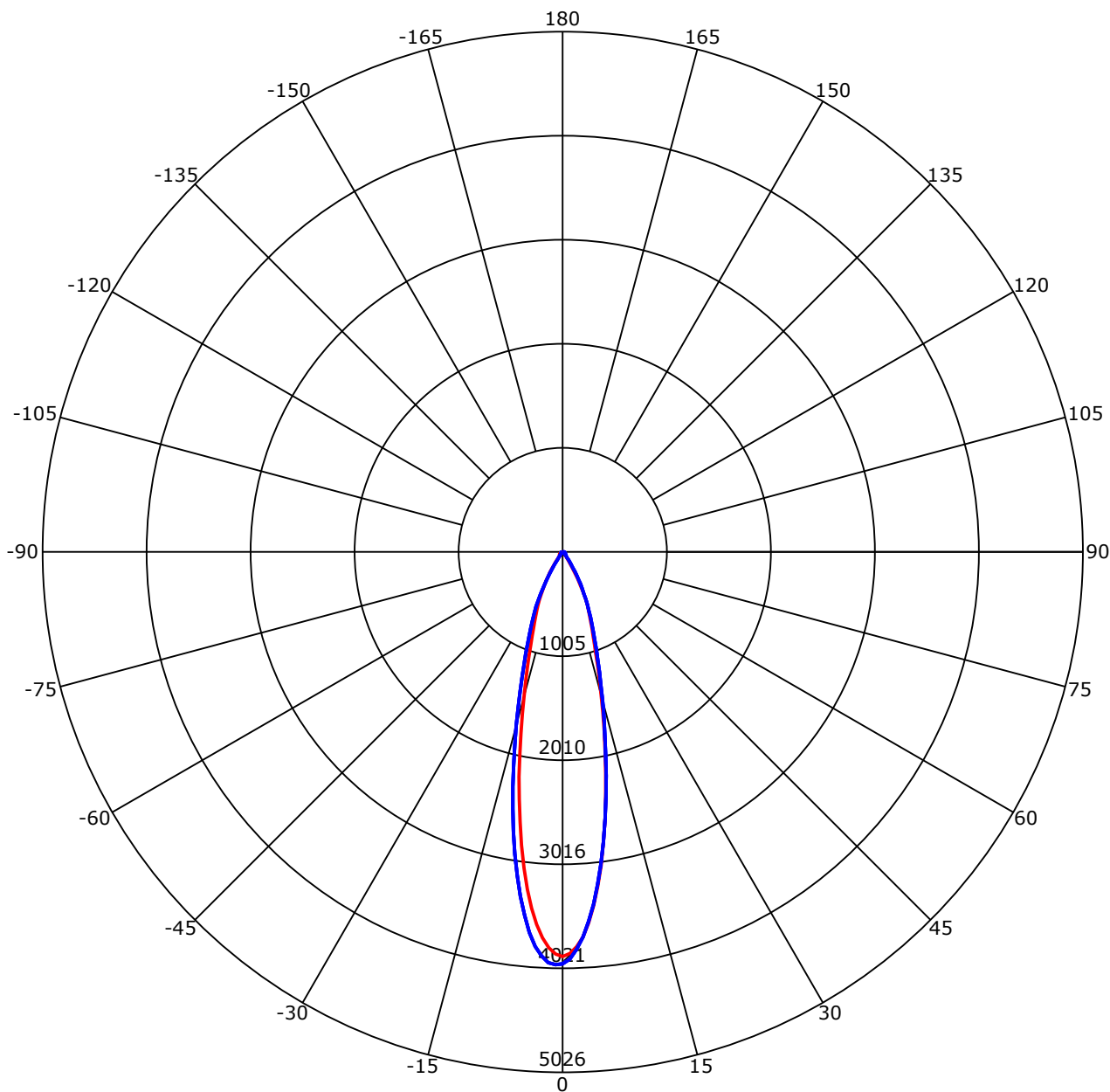
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/26 10:23:05

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: 2024/9/26 10:23:05

Luminous Intensity Distribution Curve



C0-180 — C90-270

Unit: cd/klm

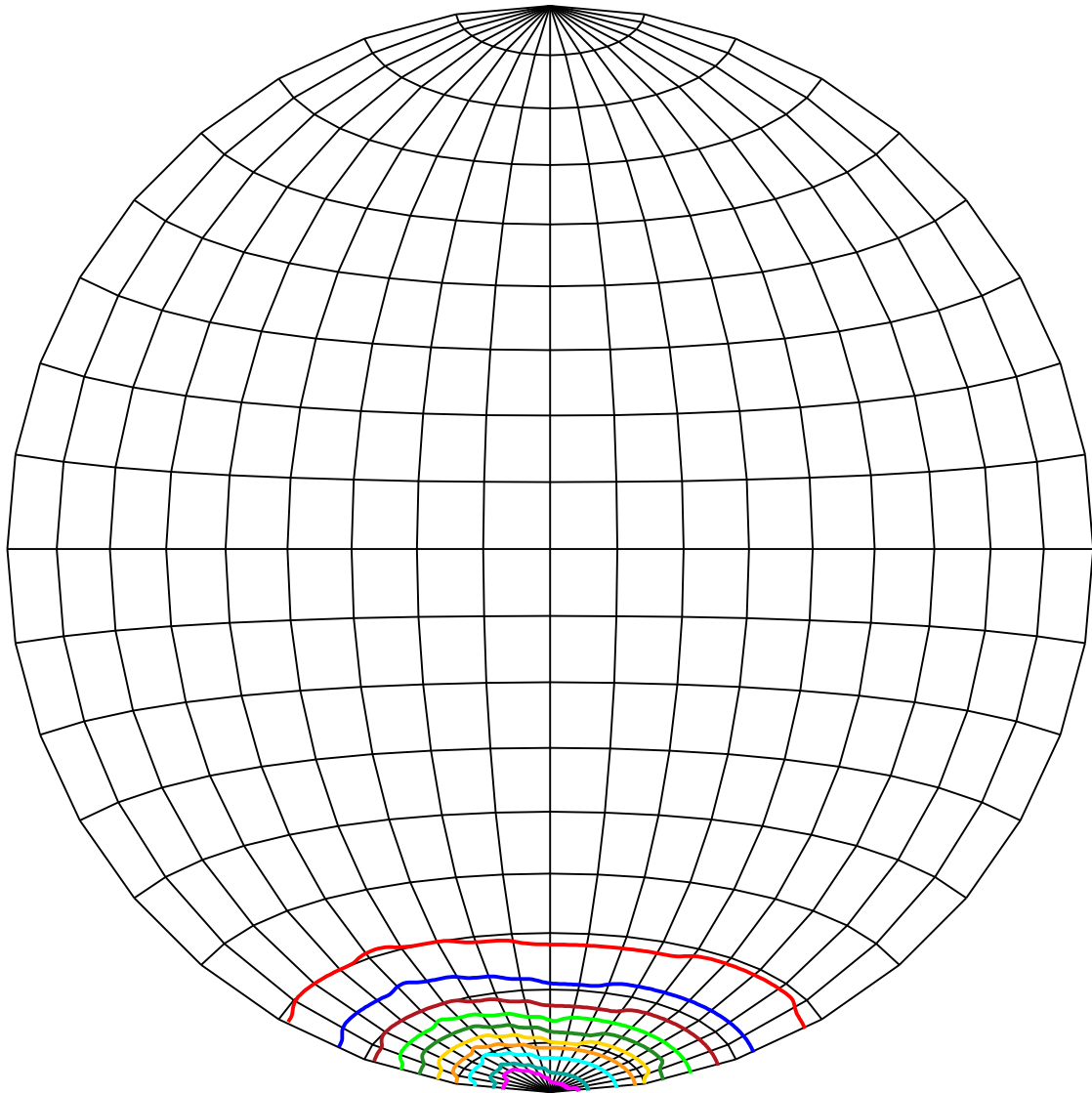
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/26 10:23:05

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: 2024/9/26 10:23:05

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 4020.761 cd

3819.723(95%I _{max})	2010.381(50%I _{max})
3618.685(90%I _{max})	1608.305(40%I _{max})
3216.609(80%I _{max})	1206.228(30%I _{max})
2814.533(70%I _{max})	804.152(20%I _{max})
2412.457(60%I _{max})	402.076(10%I _{max})

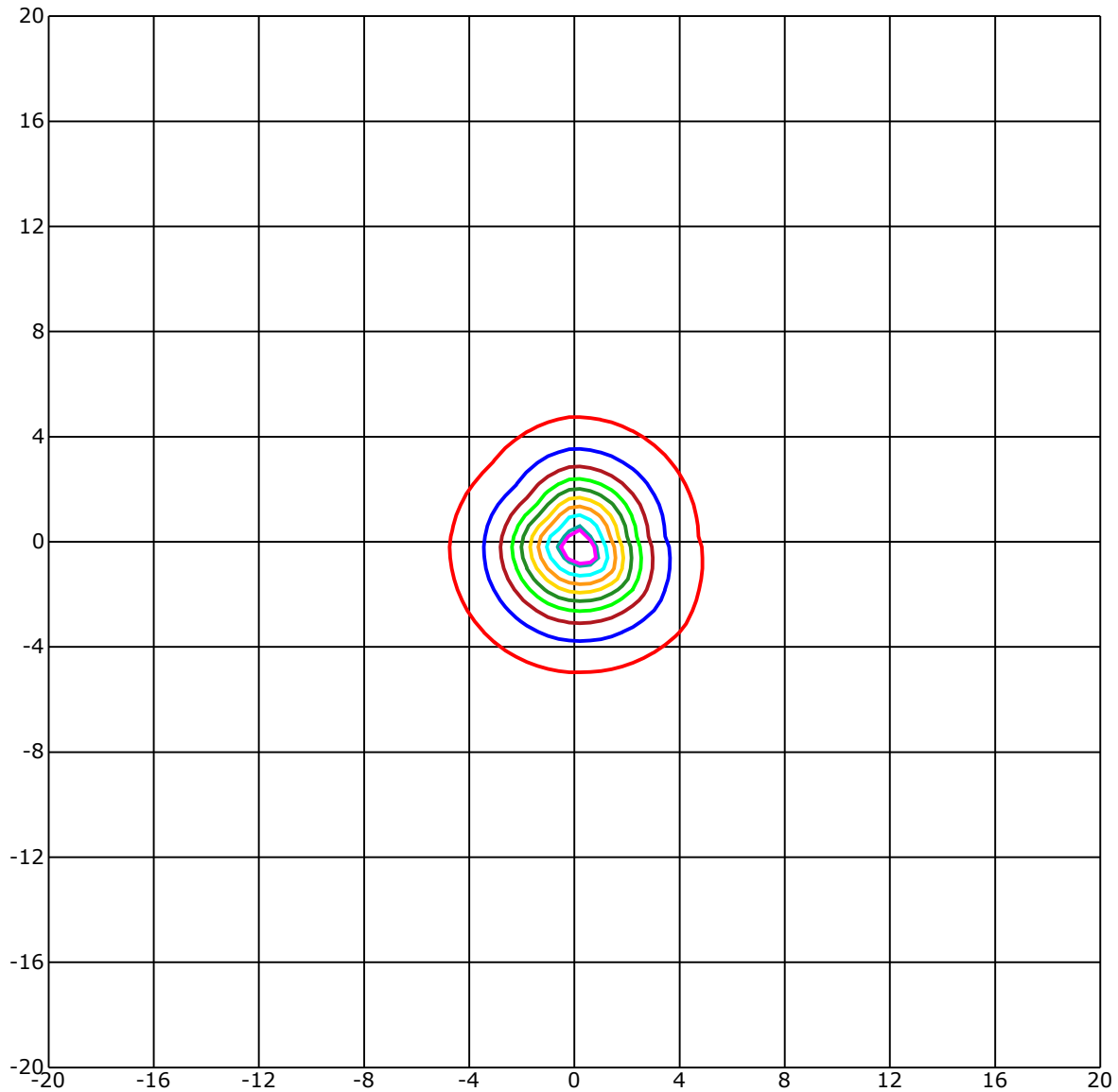
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/26 10:23:05

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: 2024/9/26 10:23:05

ISOLX DIAGRAM



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

36.923(92%Emax)	20.067(50%Emax)
36.121(90%Emax)	16.054(40%Emax)
32.107(80%Emax)	12.04(30%Emax)
28.094(70%Emax)	8.027(20%Emax)
24.081(60%Emax)	4.013(10%Emax)

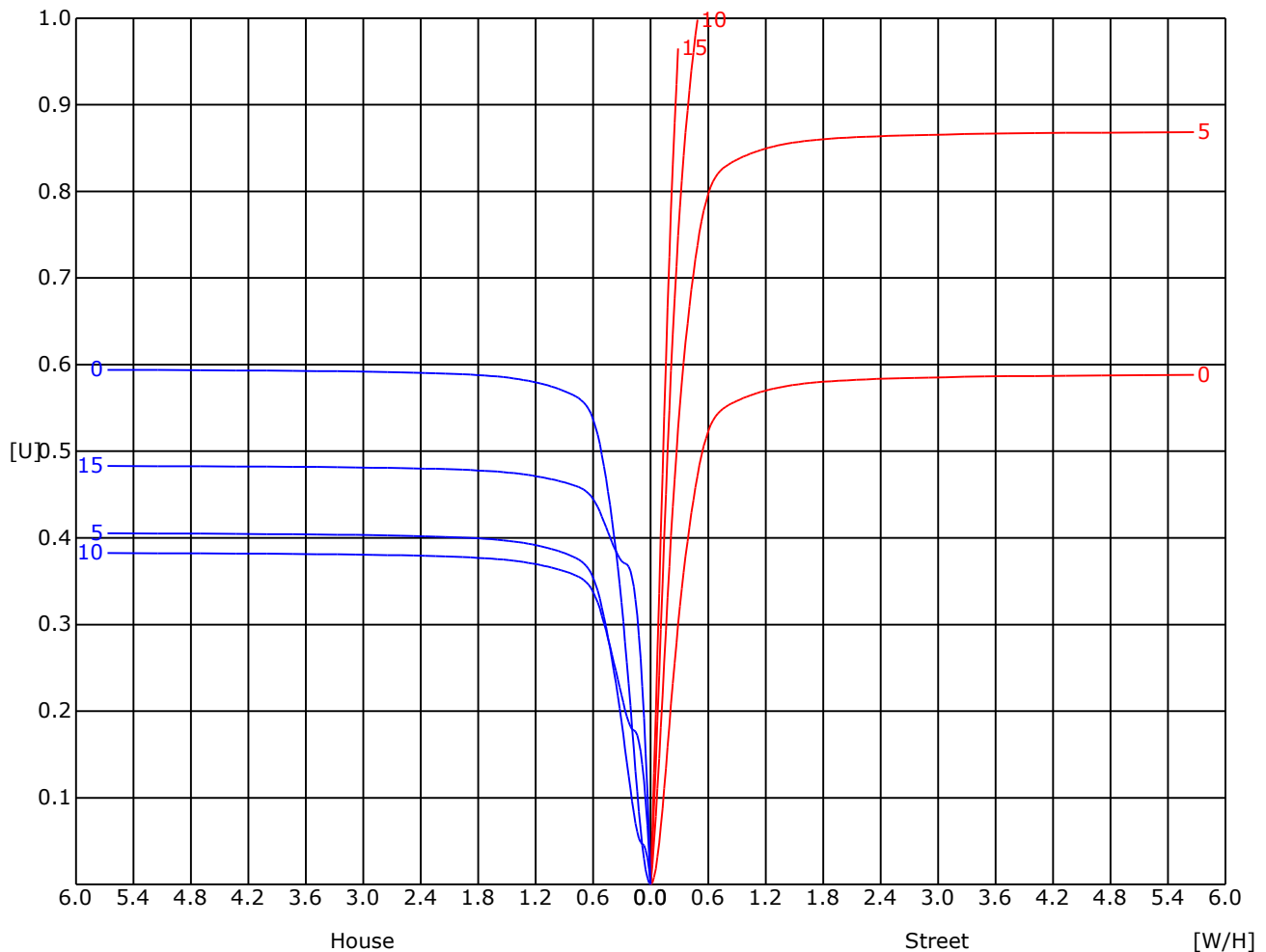
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/26 10:23:05

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: 2024/9/26 10:23:05

UTILIZATION FACTOR DIAGRAM (ROAD)



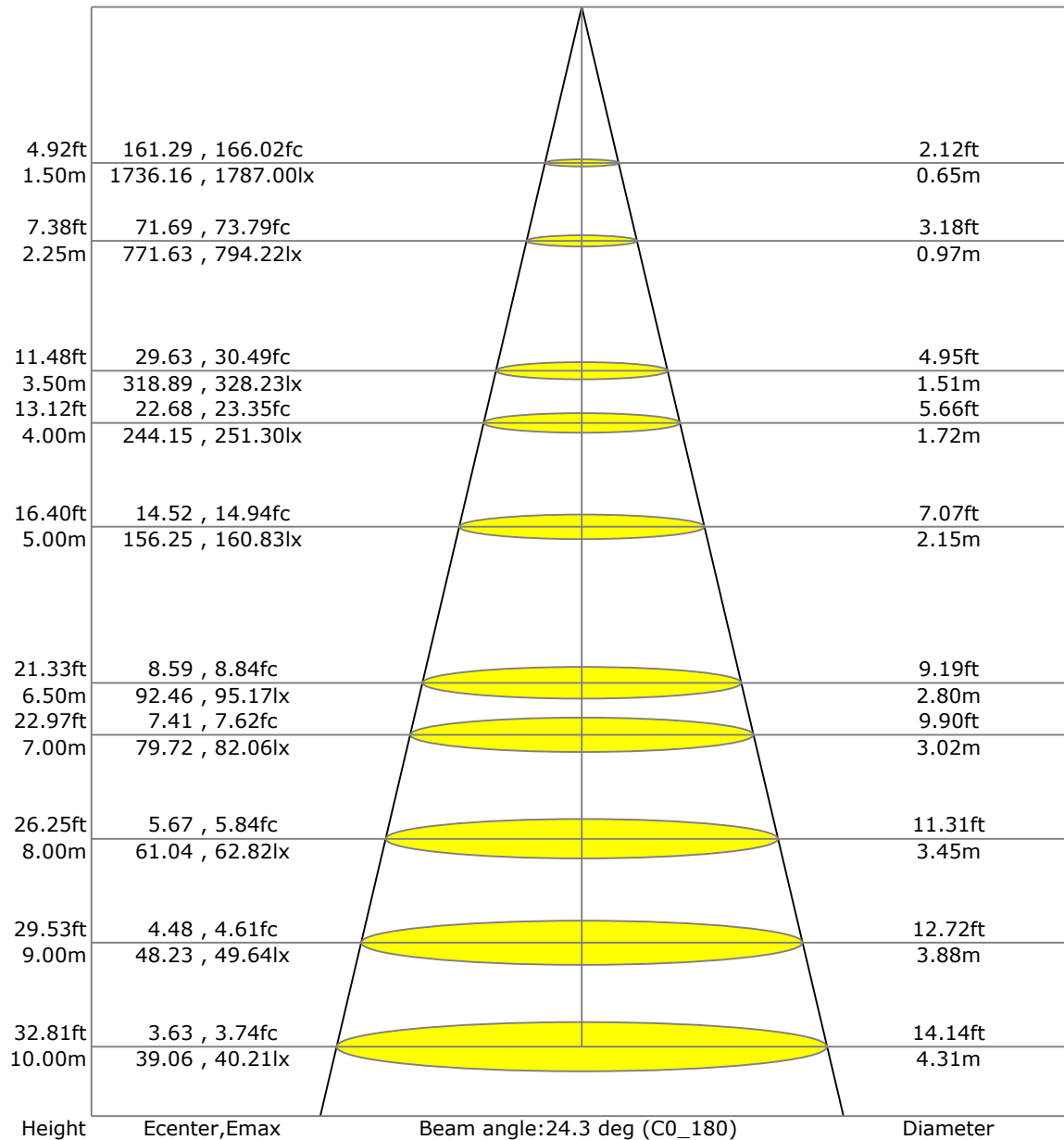
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/26 10:23:05

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: 2024/9/26 10:23:05

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators: QC01
 Test Date: 2024/9/26 10:23:05

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: 2024/9/26 10:23:05

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	5.81	5.87	6.01	6.05	6.30	6.43	6.48	6.63	6.67	6.91
	3H	5.85	5.91	6.06	6.10	6.35	6.43	6.49	6.63	6.68	6.92
	4H	5.85	5.91	6.07	6.11	6.36	6.42	6.48	6.63	6.67	6.92
	6H	5.85	5.91	6.06	6.11	6.36	6.40	6.46	6.62	6.66	6.92
	8H	5.84	5.90	6.06	6.10	6.35	6.40	6.46	6.62	6.66	6.91
	12H	5.83	5.89	6.05	6.09	6.35	6.39	6.45	6.61	6.65	6.91
4H	2H	6.19	6.25	6.40	6.44	6.69	7.44	7.50	7.65	7.70	7.94
	3H	6.31	6.36	6.53	6.57	6.83	7.52	7.58	7.74	7.79	8.04
	4H	6.34	6.40	6.57	6.62	6.88	7.53	7.59	7.76	7.80	8.06
	6H	6.36	6.42	6.60	6.64	6.90	7.52	7.57	7.75	7.80	8.06
	8H	6.36	6.42	6.60	6.64	6.91	7.50	7.56	7.75	7.79	8.06
	12H	6.35	6.40	6.60	6.64	6.91	7.49	7.55	7.74	7.78	8.05
8H	4H	6.26	6.32	6.48	6.53	6.78	7.99	8.05	8.21	8.26	8.51
	6H	6.50	6.56	6.76	6.80	7.07	8.24	8.30	8.50	8.54	8.81
	8H	6.50	6.56	6.77	6.80	7.08	8.23	8.28	8.49	8.53	8.81
	12H	6.50	6.55	6.77	6.80	7.09	8.21	8.26	8.48	8.52	8.80
12H	4H	6.46	6.52	6.71	6.75	7.02	8.45	8.50	8.69	8.73	9.00
	6H	6.49	6.54	6.75	6.79	7.07	8.47	8.52	8.73	8.77	9.05

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/26 10:23:05

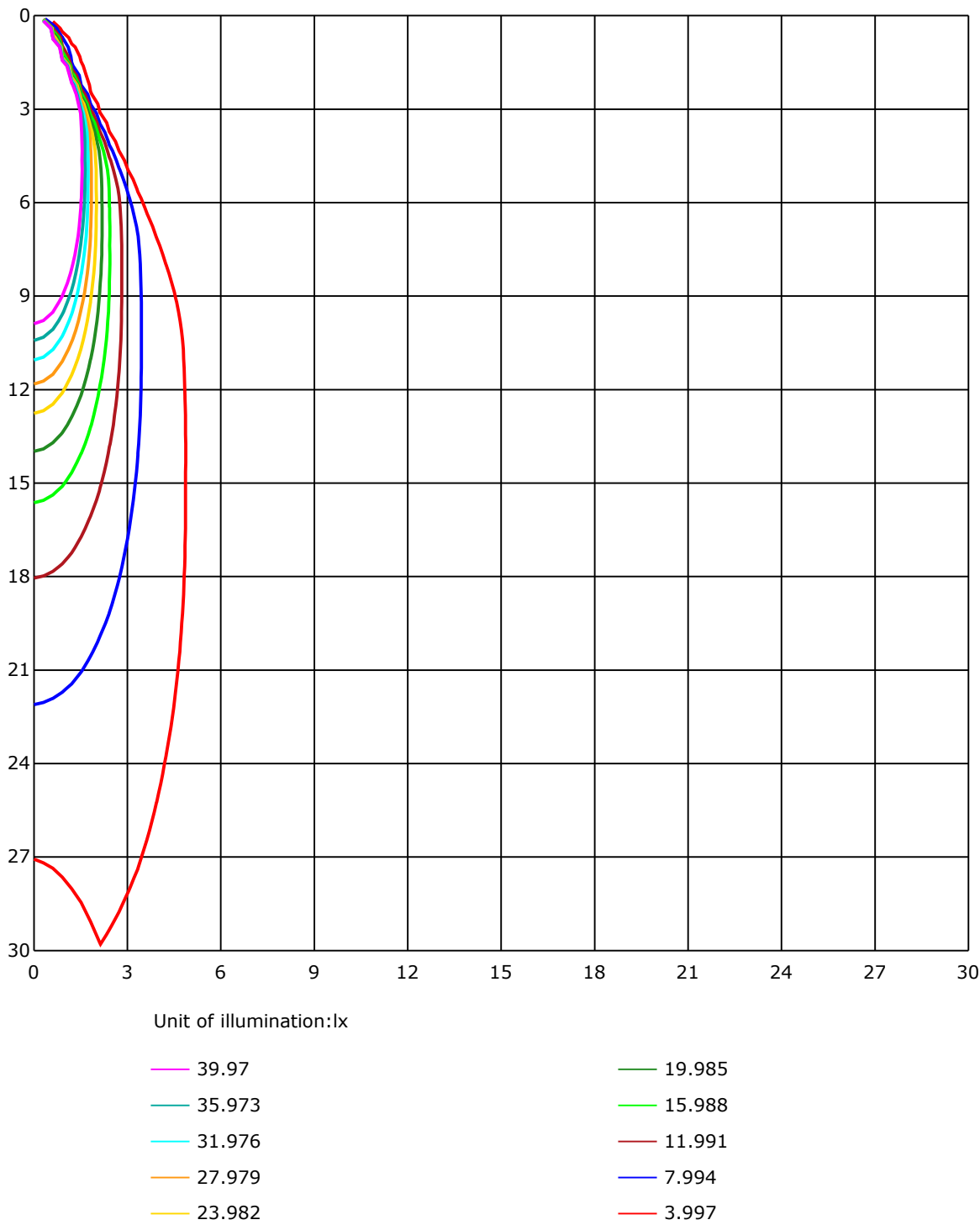
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.81 m
Remarks:

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: 2024/9/26 10:23:05

SPACE ISOLX DIAGRAM



Report No.:

Test Time: 2024/9/26 10:23:05

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	3906.35	3873.05	3976.06	3901.53	3906.35	3873.05	3976.06	3901.53	3906.35	
G1	3878.06	3844.49	3931.81	3784.75	3884.74	3859.05	3987.23	3979.9	3878.06	
G2	3813.92	3784.71	3840.59	3633.71	3825.19	3812.21	3968.91	4020.76	3813.92	
G3	3722.29	3688.15	3722.52	3462.3	3732.44	3733.37	3906.54	4019.14	3722.29	
G4	3591.6	3561.04	3576.34	3266.22	3604.68	3622.76	3819.3	3986.49	3591.6	
G5	3427.84	3417.59	3411.52	3061.98	3454.32	3479.65	3689.08	3903.29	3427.84	
G6	3240.3	3246.56	3230.14	2831.77	3277.49	3318.07	3525.88	3776.87	3240.3	
G7	3050.53	3052.75	3035.5	2606.43	3077.01	3132.66	3350.3	3635.65	3050.53	
G8	2831.21	2849.12	2826.86	2380.76	2858.86	2941.78	3159.14	3460.91	2831.21	
G9	2611.07	2644.78	2608.89	2159.32	2640.47	2731.04	2953.28	3267.29	2611.07	
G10	2388.56	2439.06	2405.95	1950.81	2423.43	2529.03	2741.57	3053.31	2388.56	
G11	2177.08	2233.75	2200.08	1756.12	2211.4	2318.85	2524.67	2844.15	2177.08	
G12	1972.14	2035.91	1999.6	1576.05	1997.14	2122.17	2315.28	2622.15	1972.14	
G13	1779.41	1851.98	1812.7	1411.83	1799.67	1928.69	2111.18	2409.7	1779.41	
G14	1597.66	1680.62	1642.32	1263.29	1613.56	1750.42	1919.83	2196.74	1597.66	
G15	1436.55	1508.24	1483.11	1133.15	1446.33	1581.66	1734.79	1995.19	1436.55	
G16	1286.47	1361.28	1340.87	1021.43	1296.86	1424.21	1565.19	1803.24	1286.47	
G17	1156.76	1230.27	1212.64	926.5	1164.64	1285.55	1409.46	1628.03	1156.76	
G18	1039.1	1112.33	1099.95	839.78	1050.88	1163.21	1271.26	1463.49	1039.1	
G19	944.91	1004.04	997.6	767.06	952.24	1052.55	1150.73	1320.0	944.91	
G20	860.23	912.26	908.0	702.18	864.45	958.18	1044.34	1191.12	860.23	
G21	785.56	828.6	825.45	643.33	789.51	873.49	948.99	1078.66	785.56	
G22	719.15	757.41	755.19	587.72	725.23	797.99	863.94	979.83	719.15	
G23	661.14	689.38	686.09	535.6	668.19	731.44	783.76	891.77	661.14	
G24	606.83	628.35	623.34	482.54	614.34	668.33	712.8	818.12	606.83	
G25	556.79	569.73	563.89	433.2	564.12	608.69	648.06	751.66	556.79	
G26	502.44	514.4	507.12	382.7	512.64	551.64	585.45	691.61	502.44	
G27	438.35	458.47	452.03	335.16	463.2	495.71	523.12	635.63	438.35	
G28	367.58	407.46	400.55	288.78	413.95	441.18	458.98	571.68	367.58	
G29	296.07	354.78	352.13	246.21	365.86	389.42	383.76	499.89	296.07	
G30	228.87	294.4	307.98	207.07	320.18	335.86	311.6	420.63	228.87	
G31	173.49	233.92	266.89	172.98	276.4	275.33	246.86	340.59	173.49	
G32	128.97	181.33	221.82	138.66	234.76	218.76	190.0	266.8	128.97	
G33	95.07	139.17	178.55	107.41	194.27	170.48	144.93	202.29	95.07	
G34	72.86	108.24	142.98	84.13	152.95	133.56	109.96	152.58	72.86	
G35	57.88	84.22	114.32	67.25	118.35	105.04	83.8	116.68	57.88	
G36	48.46	66.83	92.47	55.51	92.8	84.54	65.2	91.41	48.46	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/9/26 10:23:05

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: 2024/9/26 10:23:05

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	43.36	55.14	75.96	47.58	74.9	69.61	53.01	73.92	43.36	
G38	39.74	47.03	64.51	42.67	63.54	60.01	44.8	62.47	39.74	
G39	37.19	42.11	56.81	39.93	56.81	53.75	39.61	55.37	37.19	
G40	35.11	39.05	52.17	37.66	52.08	49.58	36.36	50.09	35.11	
G41	33.21	36.64	48.0	36.17	48.46	45.96	33.85	46.1	33.21	
G42	31.49	34.87	45.54	34.5	45.82	43.32	31.95	43.04	31.49	
G43	29.96	32.83	42.94	33.16	43.83	40.95	30.14	40.86	29.96	
G44	28.47	31.21	41.04	31.91	41.88	39.05	28.66	38.54	28.47	
G45	27.13	29.54	39.0	30.61	40.3	37.1	27.13	36.5	27.13	
G46	25.6	28.2	37.29	29.4	38.63	35.48	25.88	34.64	25.6	
G47	24.44	26.57	35.66	28.24	37.01	33.72	24.58	32.88	24.44	
G48	23.14	25.27	34.09	27.08	35.62	32.05	23.05	31.35	23.14	
G49	21.7	23.88	32.51	26.02	33.9	30.47	21.94	29.68	21.7	
G50	20.17	22.49	30.93	24.67	32.32	29.03	20.68	28.15	20.17	
G51	18.88	20.87	29.4	23.28	30.89	27.36	19.29	26.81	18.88	
G52	17.72	19.62	28.06	22.17	29.45	25.83	18.18	25.09	17.72	
G53	16.32	18.23	26.43	20.96	28.1	24.25	16.83	23.56	16.32	
G54	14.98	16.93	25.04	19.48	26.53	22.68	15.54	22.08	14.98	
G55	13.77	15.54	23.56	18.27	25.14	21.05	14.38	20.59	13.77	
G56	12.29	14.14	22.08	17.02	23.56	19.62	13.22	19.29	12.29	
G57	10.81	13.08	20.54	15.3	22.26	18.36	11.87	18.04	10.81	
G58	9.37	11.92	19.01	13.59	20.64	16.74	10.25	16.42	9.37	
G59	8.53	10.11	17.16	12.48	18.88	15.07	9.23	14.61	8.53	
G60	7.7	9.18	15.81	11.59	17.11	14.01	8.44	13.31	7.7	
G61	7.1	8.35	14.75	10.94	16.09	13.03	7.7	12.34	7.1	
G62	6.35	7.74	13.77	10.06	14.98	12.38	6.91	11.5	6.35	
G63	5.75	7.05	12.94	9.32	14.05	11.55	6.31	10.67	5.75	
G64	5.1	6.4	12.15	8.72	13.36	10.9	5.7	9.74	5.1	
G65	4.64	5.98	11.45	8.12	12.66	10.2	5.24	9.14	4.64	
G66	4.22	5.61	10.94	7.7	11.87	9.79	4.78	8.44	4.22	
G67	3.9	5.1	10.3	7.33	11.32	9.14	4.36	7.84	3.9	
G68	3.57	4.87	9.74	7.05	10.71	8.81	4.03	7.33	3.57	
G69	3.66	4.54	9.28	6.77	10.16	8.39	3.85	6.82	3.66	
G70	3.39	4.31	8.9	6.68	9.83	8.16	3.8	6.45	3.39	
G71	3.29	4.22	8.63	6.54	9.37	7.79	3.48	6.4	3.29	
G72	3.06	4.08	8.44	6.4	9.37	7.42	3.52	6.12	3.06	
G73	2.92	3.8	8.02	6.21	9.0	7.42	3.15	5.89	2.92	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature: 25

Operators: QC01

Test Date: 2024/9/26 10:23:05

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1600B Goniophotometer

Humidity: 60

Test Distance: 6.81 m

Remarks:

[illegible]

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