

Report No.:

Test Time: 2024/8/9 9:02:45

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: InBright
Luminaire Type: IBDL226CT115-14.2W
Lamp Type:
Luminous Width: 106 mm
Luminous Length: 106 mm
Luminous Height: 55 mm

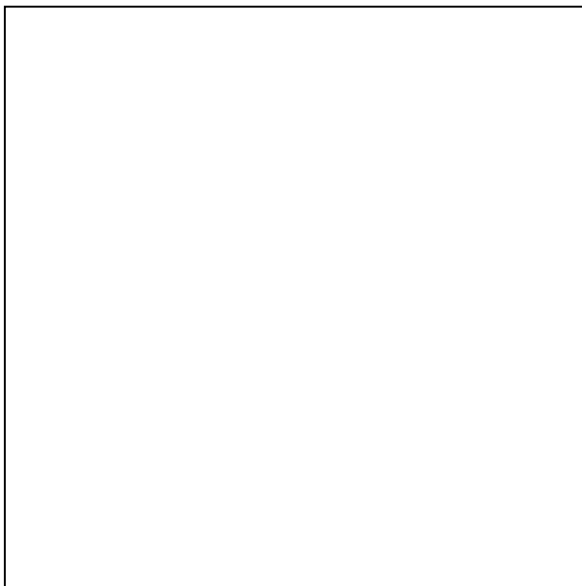
Voltage(V): 219.80 V
Current(A): 0.0680 A
Power(W): 14.24 W
Power Factor: 0.9440
Lamp Luminous Flux: 987.98

Photometric Results

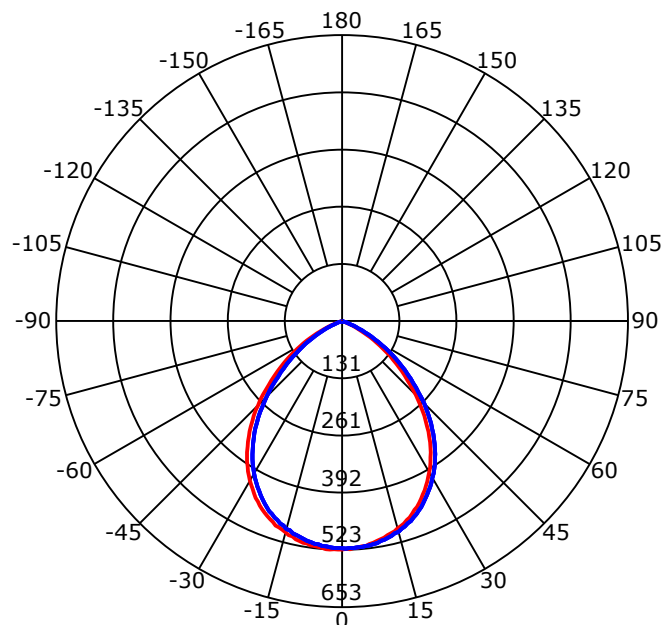
CIE Class: Direct
Luminaire Luminous Flux: 987.9796 lm
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 69.38 lm/W
Beam Angle(50%) C0-180,C90-270: 88.9,89.0
Field Angle(10%) C0-180,C90-270: 127.9,127.8
S/MH C0-180,C90-270: 1.155,1.155

Max. Intensity: 522.74 cd
Max.Intensity Angle: C=180 Gamma=3
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 521.98 cd
Effective Luminous Flux: 964.83 lm
ERP(ϕ use)(120deg): 938.38 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 88.9 deg,89.0 deg

C0-180 — C90-270

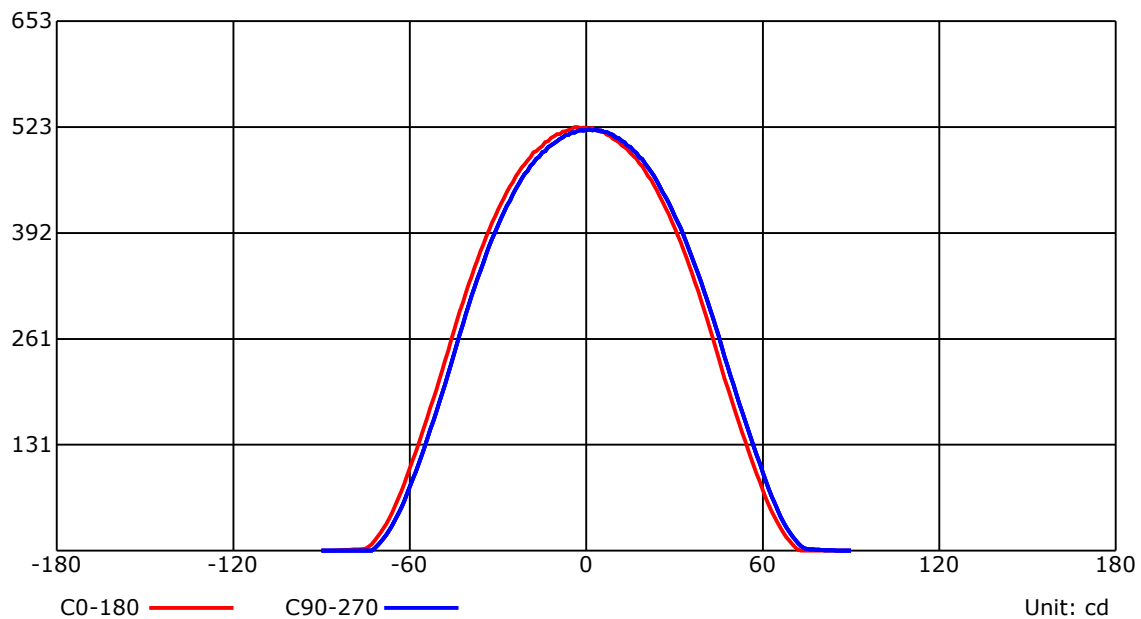
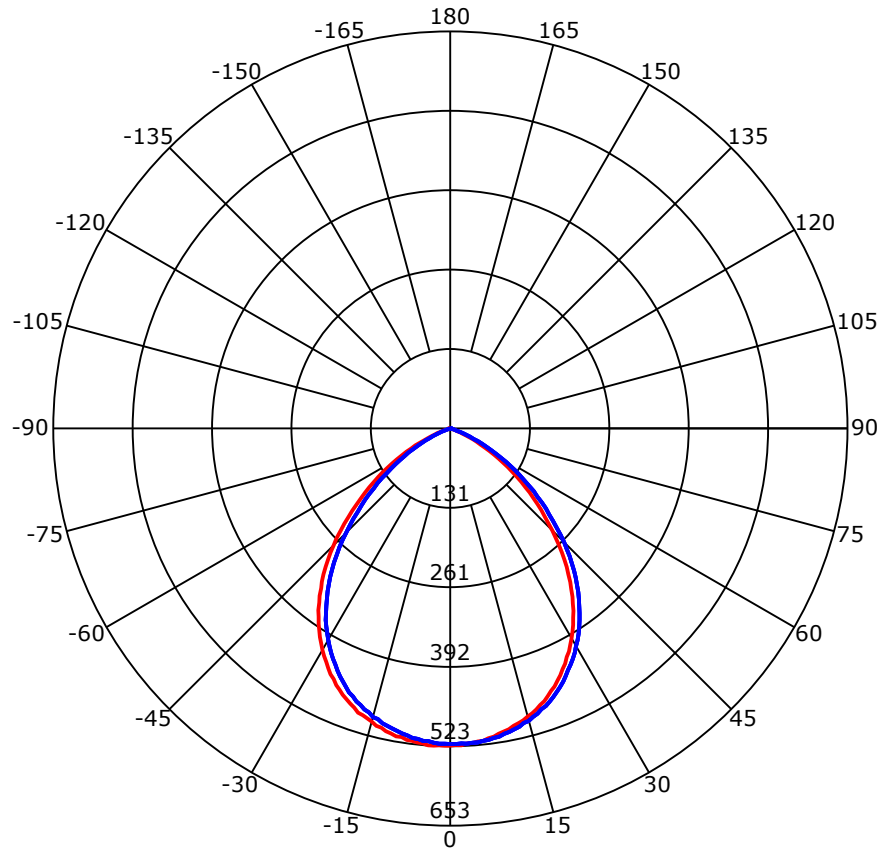
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

Luminous Intensity Distribution Curve



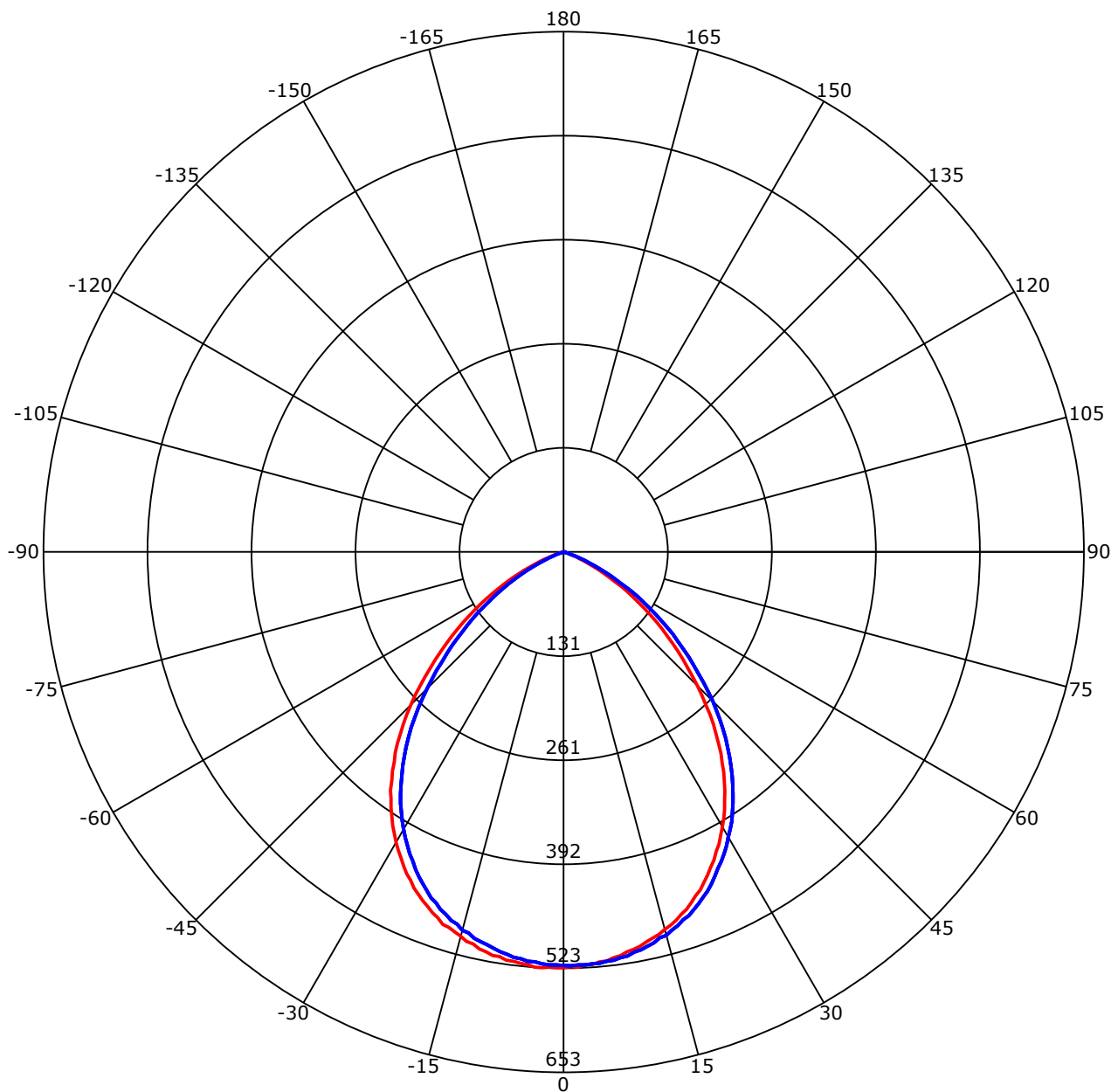
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

Luminous Intensity Distribution Curve



C0-180 — C90-270

Unit: cd/klm

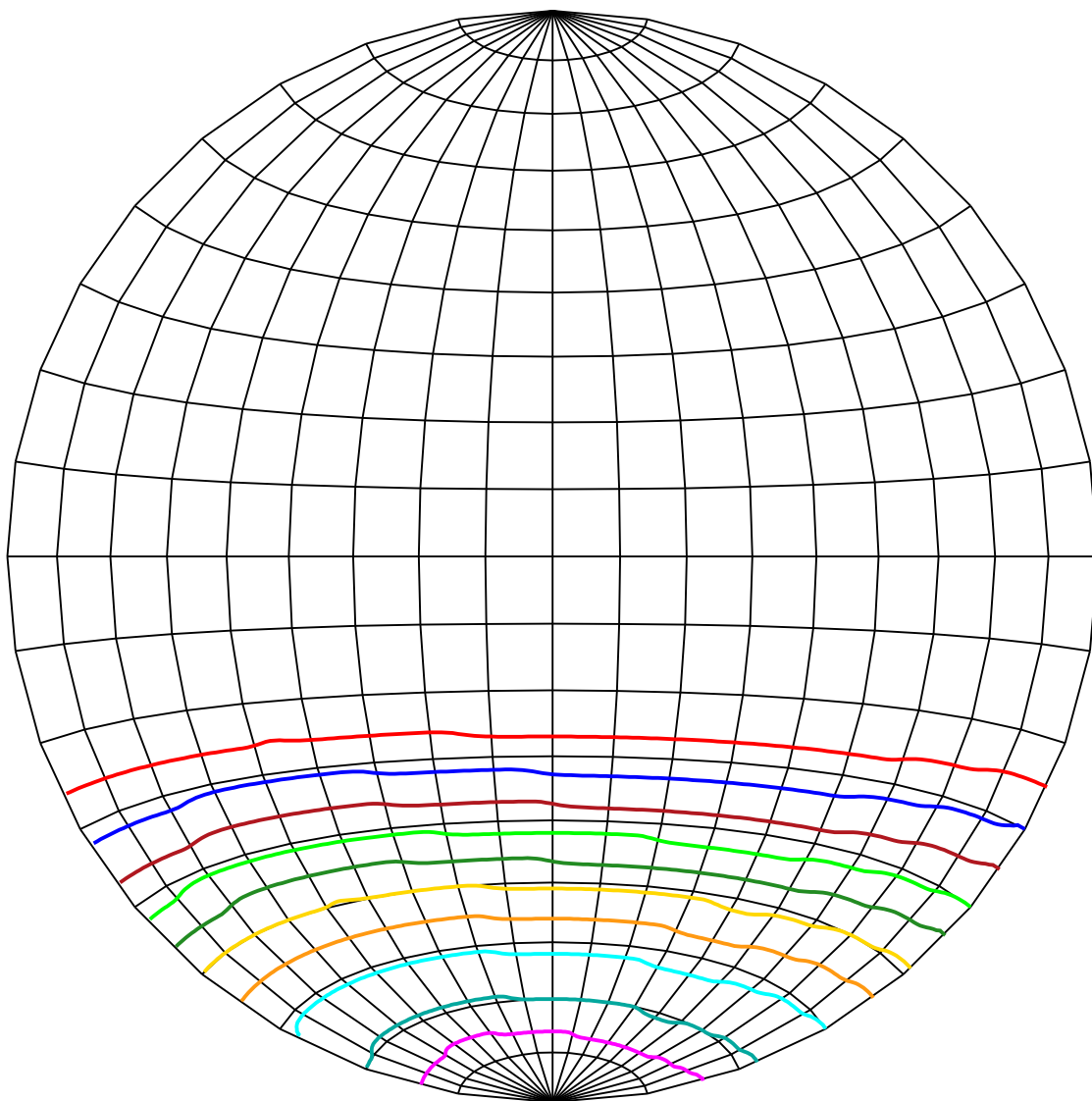
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd Imax(100%): 522.744 cd

496.607(95%Imax)	261.372(50%Imax)
470.47(90%Imax)	209.098(40%Imax)
418.195(80%Imax)	156.823(30%Imax)
365.921(70%Imax)	104.549(20%Imax)
313.646(60%Imax)	52.274(10%Imax)

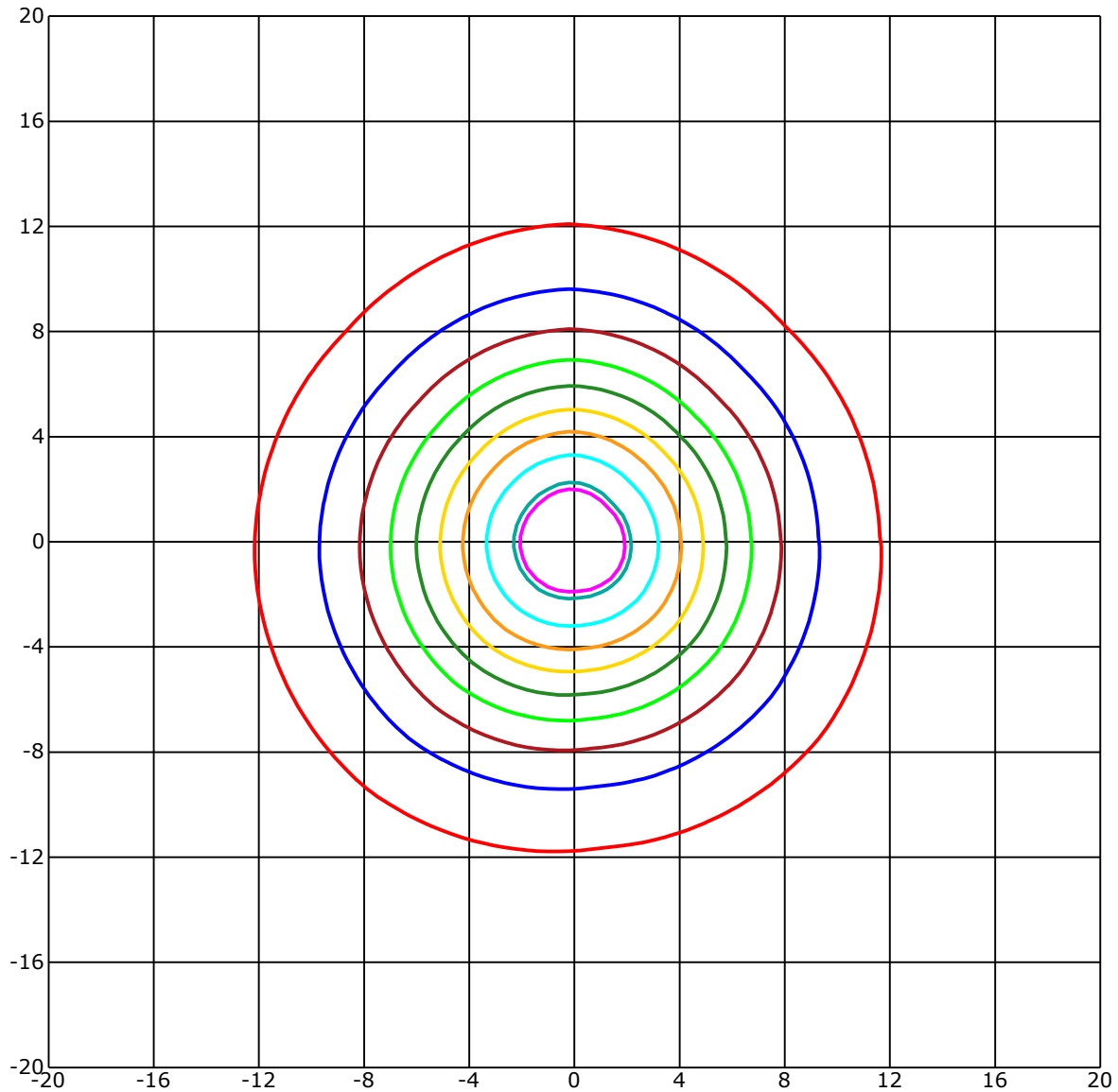
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

ISOLX DIAGRAM



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

4.802(92%Emax)	2.61(50%Emax)
4.698(90%Emax)	2.088(40%Emax)
4.176(80%Emax)	1.566(30%Emax)
3.654(70%Emax)	1.044(20%Emax)
3.132(60%Emax)	0.522(10%Emax)

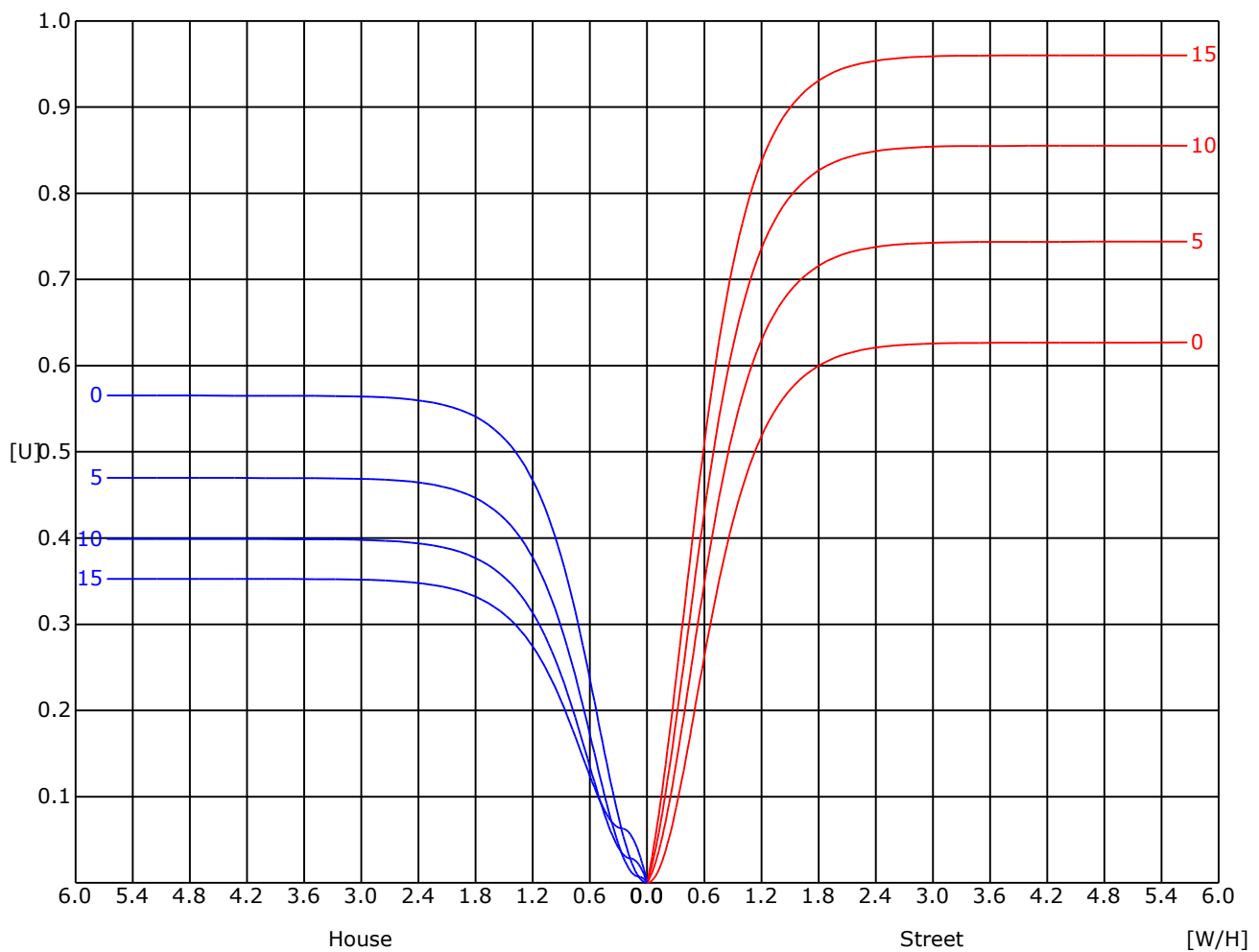
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

UTILIZATION FACTOR DIAGRAM (ROAD)



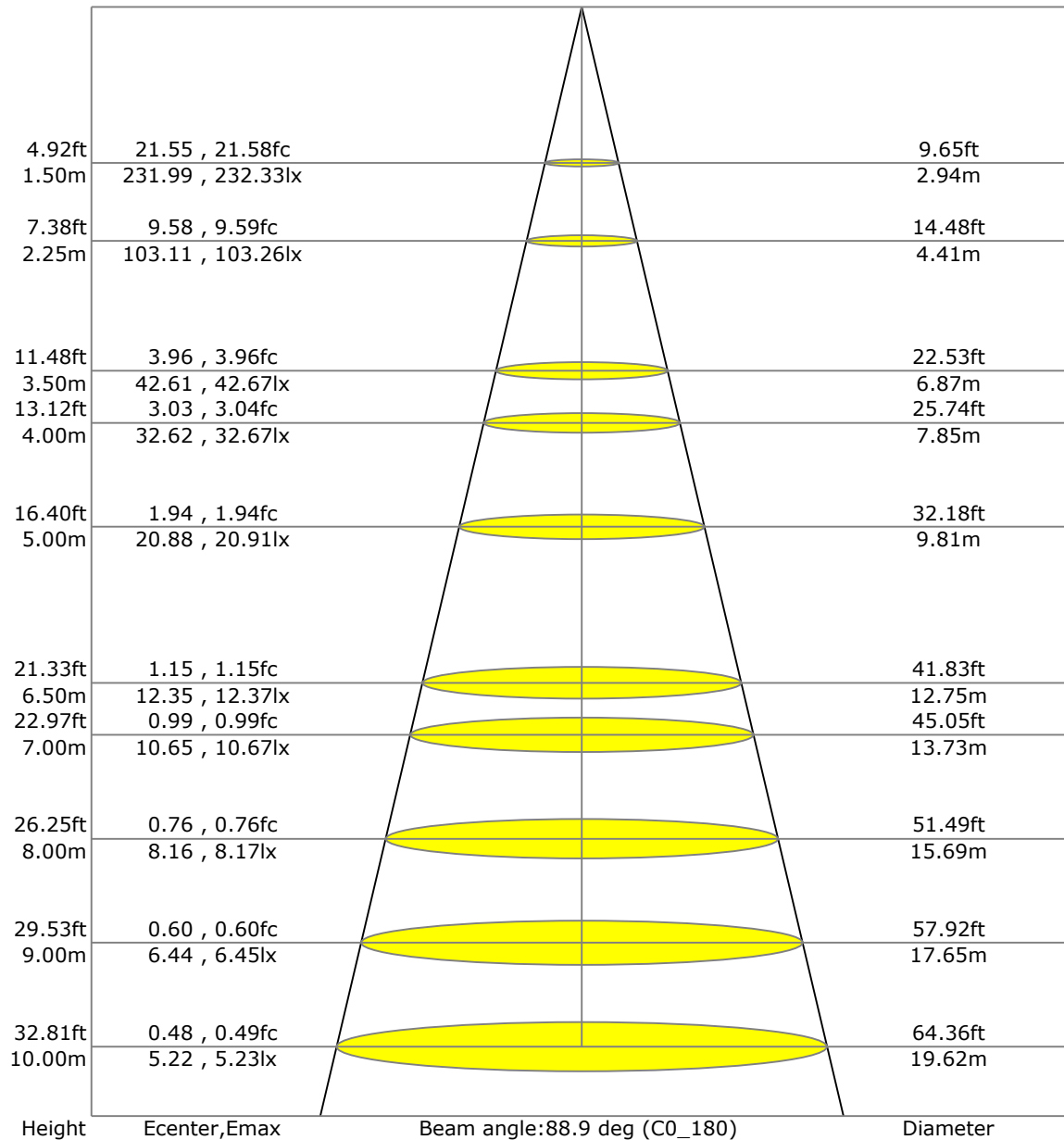
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
 C Interval: 45.0 Deg
 Test Speed: High
 Temperature: 25
 Operators: QC01
 Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
 G Interval: 1.0 Deg
 Test System: Huipu CPM-1600B Goniophotometer
 Humidity: 60
 Test Distance: 6.7 m
 Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

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	18.30	18.36	18.50	18.55	18.79	18.59	18.65	18.79	18.84	19.08
3H	18.27	18.34	18.48	18.53	18.78	18.56	18.62	18.76	18.81	19.06
4H	18.25	18.31	18.46	18.51	18.76	18.53	18.59	18.74	18.79	19.04
6H	18.23	18.28	18.44	18.49	18.74	18.51	18.57	18.72	18.77	19.02
8H	18.21	18.27	18.43	18.47	18.73	18.49	18.55	18.71	18.76	19.01
12H	18.20	18.26	18.42	18.46	18.72	18.48	18.54	18.70	18.74	19.00
4H 2H	18.42	18.48	18.63	18.68	18.92	18.81	18.87	19.02	19.07	19.32
3H	18.38	18.44	18.61	18.65	18.90	18.77	18.83	18.99	19.03	19.29
4H	18.35	18.41	18.58	18.62	18.88	18.74	18.80	18.97	19.01	19.27
6H	18.32	18.37	18.56	18.60	18.86	18.71	18.76	18.95	18.98	19.25
8H	18.31	18.36	18.55	18.58	18.85	18.69	18.74	18.94	18.97	19.24
12H	18.29	18.34	18.54	18.57	18.84	18.68	18.72	18.92	18.96	19.22
8H 4H	18.38	18.44	18.60	18.64	18.90	18.78	18.83	18.99	19.04	19.29
6H	18.27	18.32	18.53	18.55	18.83	18.66	18.70	18.91	18.94	19.21
8H	18.25	18.29	18.51	18.54	18.81	18.64	18.68	18.90	18.93	19.20
12H	18.23	18.27	18.50	18.52	18.80	18.62	18.66	18.89	18.91	19.19
12H 4H	18.29	18.34	18.54	18.57	18.84	18.68	18.72	18.93	18.96	19.23
6H	18.25	18.29	18.51	18.54	18.81	18.64	18.68	18.90	18.93	19.20

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

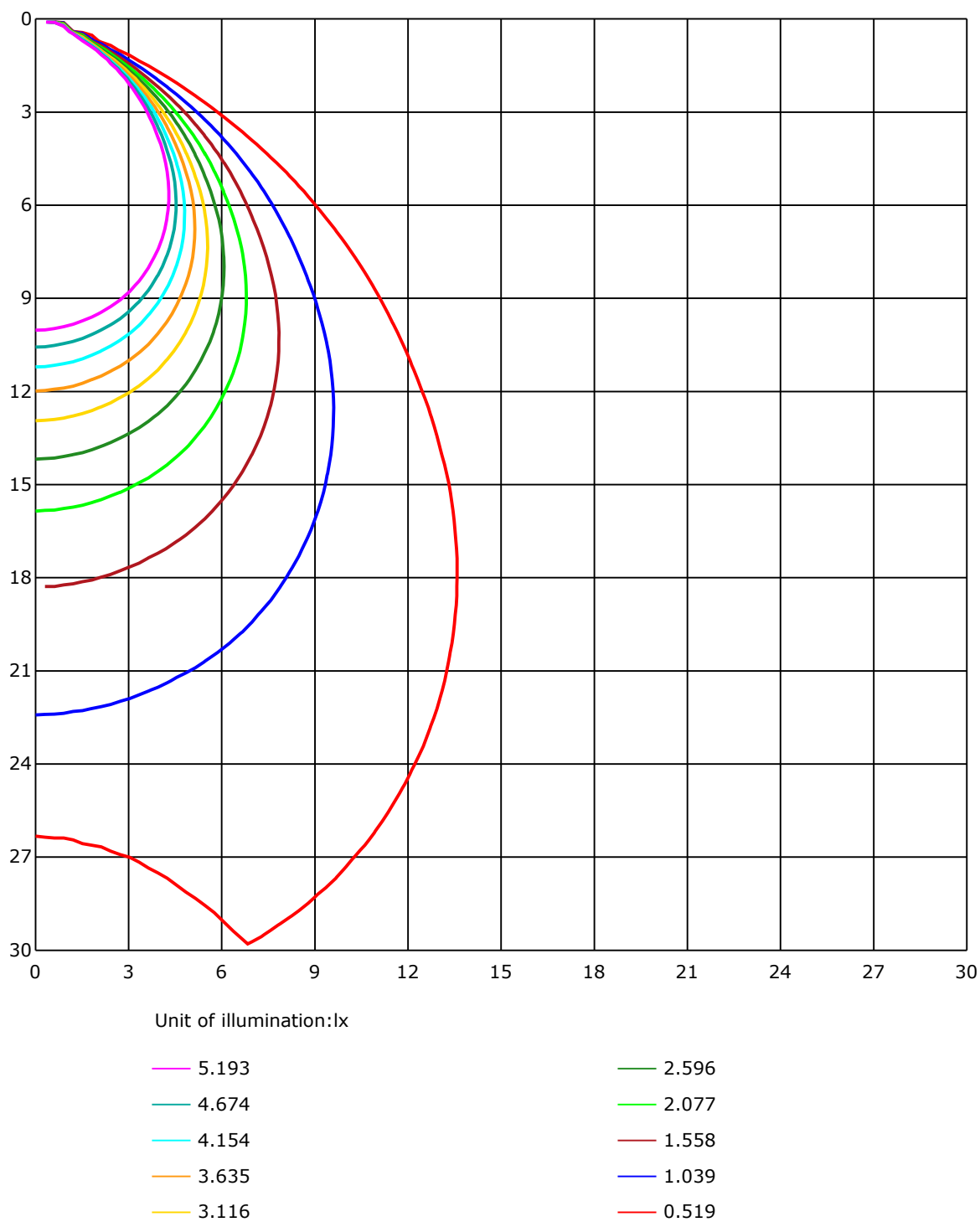
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

SPACE ISOLX DIAGRAM



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	521.98	518.48	519.38	520.36	521.98	518.48	519.38	520.36	521.98	
G1	520.81	516.68	519.56	520.23	522.12	518.03	518.57	520.63	520.81	
G2	521.71	516.06	518.75	519.42	521.71	519.24	518.93	519.78	521.71	
G3	518.97	514.93	519.24	520.36	522.74	517.54	517.94	519.87	518.97	
G4	519.15	514.53	518.3	518.48	522.7	517.54	515.88	518.17	519.15	
G5	516.77	513.54	518.39	518.7	520.28	516.55	516.01	517.99	516.77	
G6	516.55	510.26	516.73	516.15	519.29	516.68	513.45	515.88	516.55	
G7	513.36	508.42	516.46	515.56	517.63	515.34	512.91	514.93	513.36	
G8	511.93	507.03	514.3	513.14	517.4	514.26	510.0	513.41	511.93	
G9	508.42	504.43	513.45	511.43	514.21	512.24	508.2	511.75	508.42	
G10	506.54	502.9	510.26	509.55	514.26	510.44	505.37	509.1	506.54	
G11	504.07	498.91	508.78	506.99	511.43	507.66	502.59	507.03	504.07	
G12	500.12	496.98	505.87	504.92	509.5	506.58	500.21	504.25	500.12	
G13	497.7	493.39	503.8	502.23	505.24	503.85	497.96	501.02	497.7	
G14	495.0	491.32	499.27	498.28	504.02	501.69	492.98	497.87	495.0	
G15	490.74	486.29	498.41	494.91	499.4	497.56	491.59	495.0	490.74	
G16	487.37	482.03	493.75	490.42	496.17	494.91	486.07	491.77	487.37	
G17	483.56	478.08	490.6	487.86	493.12	490.74	483.64	487.6	483.56	
G18	478.3	473.14	485.53	483.15	491.5	488.18	478.48	483.51	478.3	
G19	474.58	469.15	483.11	479.38	485.62	484.09	474.85	479.92	474.58	
G20	468.47	463.13	477.76	473.99	481.85	479.34	468.83	475.3	468.47	
G21	462.32	456.89	473.01	469.32	476.96	475.3	465.24	470.18	462.32	
G22	457.7	452.63	467.62	463.89	472.42	471.43	458.6	464.3	457.7	
G23	450.7	444.55	462.41	458.24	466.99	466.63	452.63	459.13	450.7	
G24	444.37	438.26	456.04	451.23	462.05	460.35	446.57	451.91	444.37	
G25	436.87	430.63	449.12	445.22	454.87	454.47	439.88	446.39	436.87	
G26	430.41	423.9	442.03	438.04	449.66	448.81	432.02	438.89	430.41	
G27	422.1	415.73	436.02	431.3	442.57	442.08	425.51	432.16	422.1	
G28	415.46	408.77	429.33	423.49	435.16	435.88	417.75	424.88	415.46	
G29	406.7	400.55	421.79	414.96	428.16	428.79	410.07	417.93	406.7	
G30	398.85	392.38	413.48	407.74	421.25	421.92	401.99	410.25	398.85	
G31	390.14	383.0	406.21	399.52	412.94	413.66	393.69	402.21	390.14	
G32	381.07	374.7	398.31	390.9	405.09	406.21	384.98	392.74	381.07	
G33	370.93	363.52	389.42	381.7	395.93	397.9	376.36	384.35	370.93	
G34	362.04	354.05	380.22	372.36	387.94	390.18	366.35	374.83	362.04	
G35	351.58	343.81	370.75	362.76	378.06	381.21	355.75	365.58	351.58	
G36	342.02	334.12	361.1	352.93	369.89	371.6	345.61	355.75	342.02	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

Report No.:

Test Time: 2024/8/9 9:02:45

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	330.7	323.03	351.62	342.82	358.58	362.4	335.6	345.38	330.7	
G38	320.6	312.25	341.52	331.51	349.33	353.06	324.87	334.97	320.6	
G39	308.8	301.44	331.47	322.27	338.11	341.97	314.59	325.63	308.8	
G40	297.67	289.63	320.47	309.61	329.09	332.28	302.96	314.19	297.67	
G41	286.53	277.96	310.1	298.56	318.14	321.55	292.05	303.37	286.53	
G42	274.73	266.65	299.1	286.71	306.33	311.22	279.31	292.23	274.73	
G43	261.48	253.76	287.39	275.36	295.51	299.33	267.32	280.2	261.48	
G44	249.45	241.33	275.71	263.1	283.75	288.6	254.93	268.8	249.45	
G45	237.65	229.03	264.72	250.85	271.45	276.79	242.68	256.46	237.65	
G46	224.81	216.59	251.97	237.78	260.09	264.54	230.24	243.84	224.81	
G47	212.33	205.37	239.62	226.34	246.54	252.33	218.48	231.77	212.33	
G48	201.33	193.88	227.23	213.68	234.64	239.89	205.28	219.42	201.33	
G49	189.97	181.85	215.56	202.09	222.25	227.95	194.15	208.15	189.97	
G50	178.53	171.3	205.06	189.79	210.76	216.06	182.93	196.17	178.53	
G51	167.44	160.12	193.3	178.53	198.41	204.43	171.57	185.53	167.44	
G52	157.07	149.66	181.8	167.62	187.6	193.48	160.39	174.04	157.07	
G53	146.07	139.07	171.57	156.67	176.69	181.62	149.84	163.71	146.07	
G54	135.34	128.48	159.9	145.76	165.02	171.12	138.89	152.4	135.34	
G55	124.35	118.06	149.17	135.52	154.06	160.03	127.89	141.76	124.35	
G56	113.89	108.14	138.35	125.2	143.33	148.99	117.48	131.03	113.89	
G57	104.1	97.99	127.53	115.05	132.56	137.9	107.74	120.53	104.1	
G58	94.04	88.84	117.39	105.18	122.28	127.44	97.82	110.12	94.04	
G59	84.48	79.01	106.97	95.21	111.96	116.67	88.34	99.79	84.48	
G60	74.47	69.71	96.2	85.52	101.95	106.3	79.19	89.51	74.47	
G61	65.0	60.69	86.23	75.82	92.02	96.15	69.94	79.77	65.0	
G62	56.52	52.79	76.36	66.57	81.97	86.32	60.6	69.67	56.52	
G63	48.66	44.58	67.2	58.04	72.68	76.58	52.48	60.56	48.66	
G64	41.12	37.48	58.67	49.6	63.88	67.51	44.62	52.75	41.12	
G65	34.39	31.06	50.1	41.66	55.48	58.54	37.89	45.16	34.39	
G66	28.19	25.23	41.93	34.7	46.95	50.73	31.33	38.56	28.19	
G67	22.09	19.26	35.24	28.46	40.0	42.91	25.36	31.92	22.09	
G68	16.7	14.19	29.0	22.62	33.49	36.18	19.66	25.81	16.7	
G69	12.39	9.61	23.21	17.33	27.34	29.9	14.86	20.56	12.39	
G70	7.95	5.61	18.0	12.48	21.91	24.38	10.23	15.67	7.95	
G71	4.17	2.29	13.42	8.21	16.92	18.81	6.33	11.45	4.17	
G72	1.17	0.0	9.16	4.31	12.25	14.01	2.87	7.54	1.17	
G73	0.0	0.0	5.66	1.3	8.13	9.88	0.13	4.58	0.0	

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature: 25
Operators: QC01
Test Date: 2024/8/9 9:02:45

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks:

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1600B Goniophotometer
Humidity: 60
Test Distance: 6.7 m
Remarks: