

Report No.:

Test Time: 2020/3/14 10:00:00

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: 0
Luminaire Type: 127V-2835-198L-3000K
Lamp Type:
Luminous Width: 0 mm
Luminous Length: 0 mm
Luminous Height: 0 mm

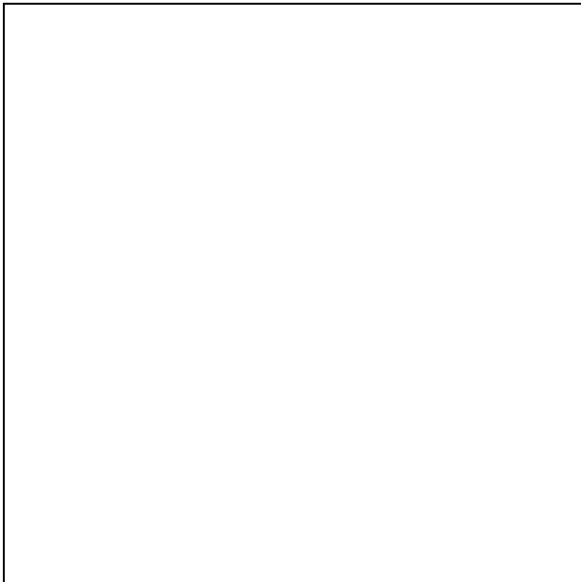
Voltage(V): 126.78 V
Current(A): 0.0880 A
Power(W): 10.53 W
Power Factor: 0.9440
Lamp Luminous Flux: 897.85

Photometric Results

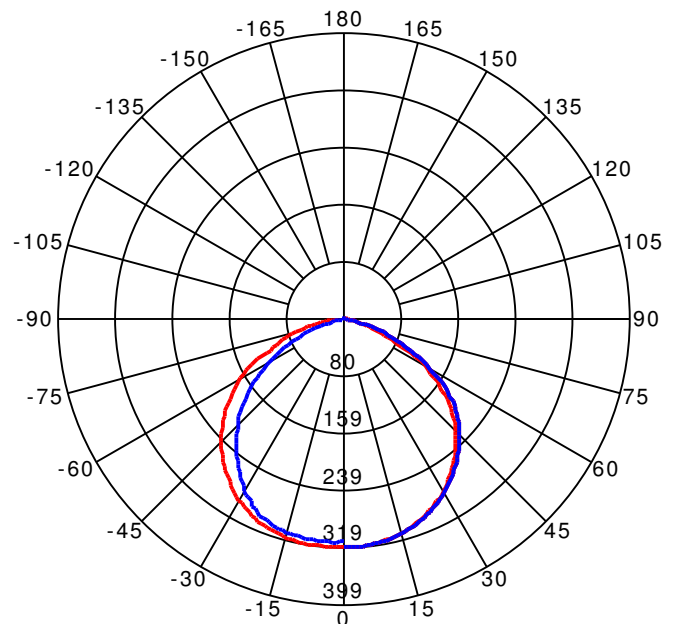
CIE Class: Direct
Luminaire Luminous Flux: 897.8547
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): 85.27 lm/W
Beam Angle(50%) C0-180,C90-270: 116.9,111.4
Field Angle(10%) C0-180,C90-270: 156.5,148.4

Max. Intensity: 318.87 cd
Max.Intensity Angle: C= 180 Gamma= 3
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 318.83 cd

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 111.4 deg

C0-180 ——— C90-270 ———

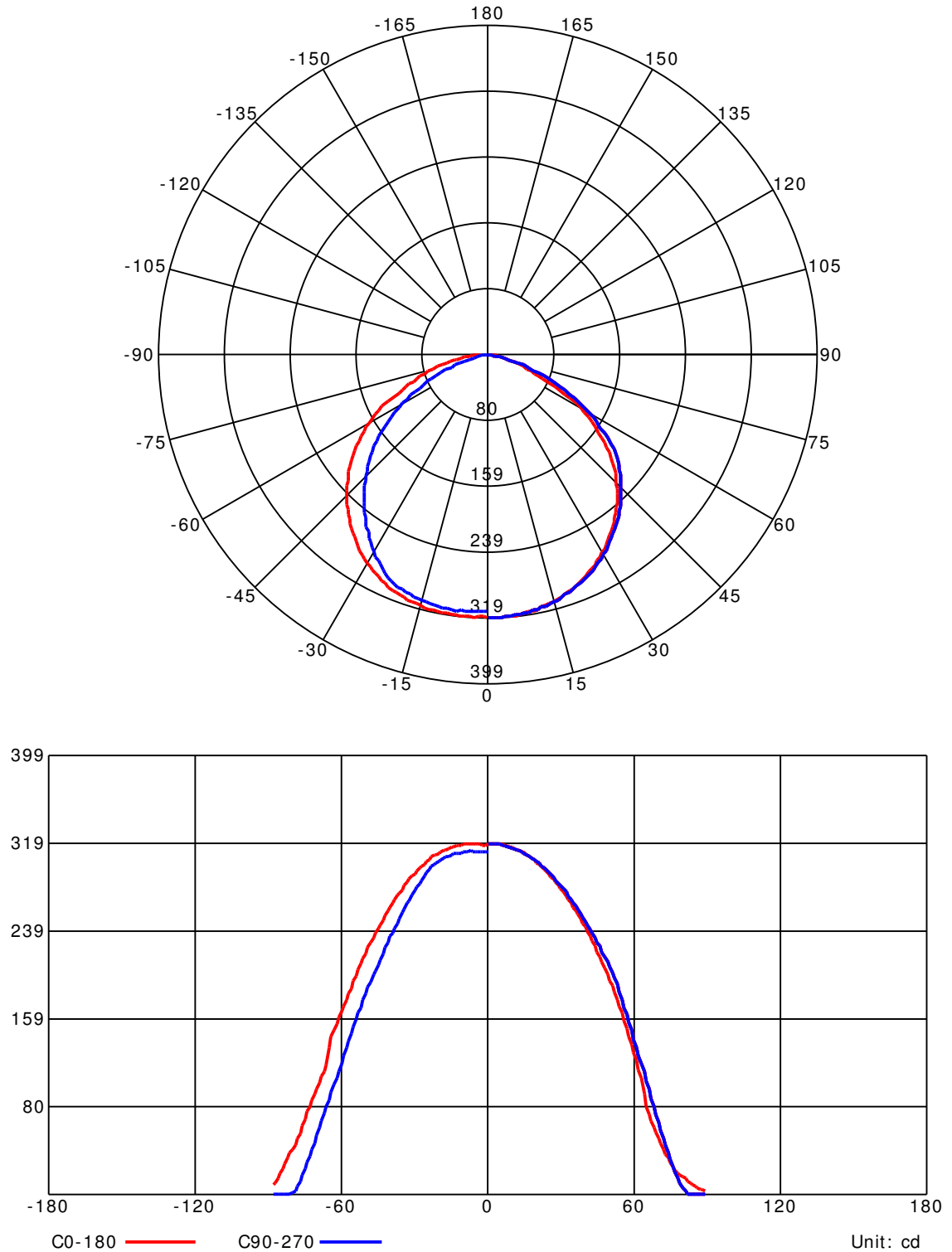
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

Luminous Intensity Distribution Curve



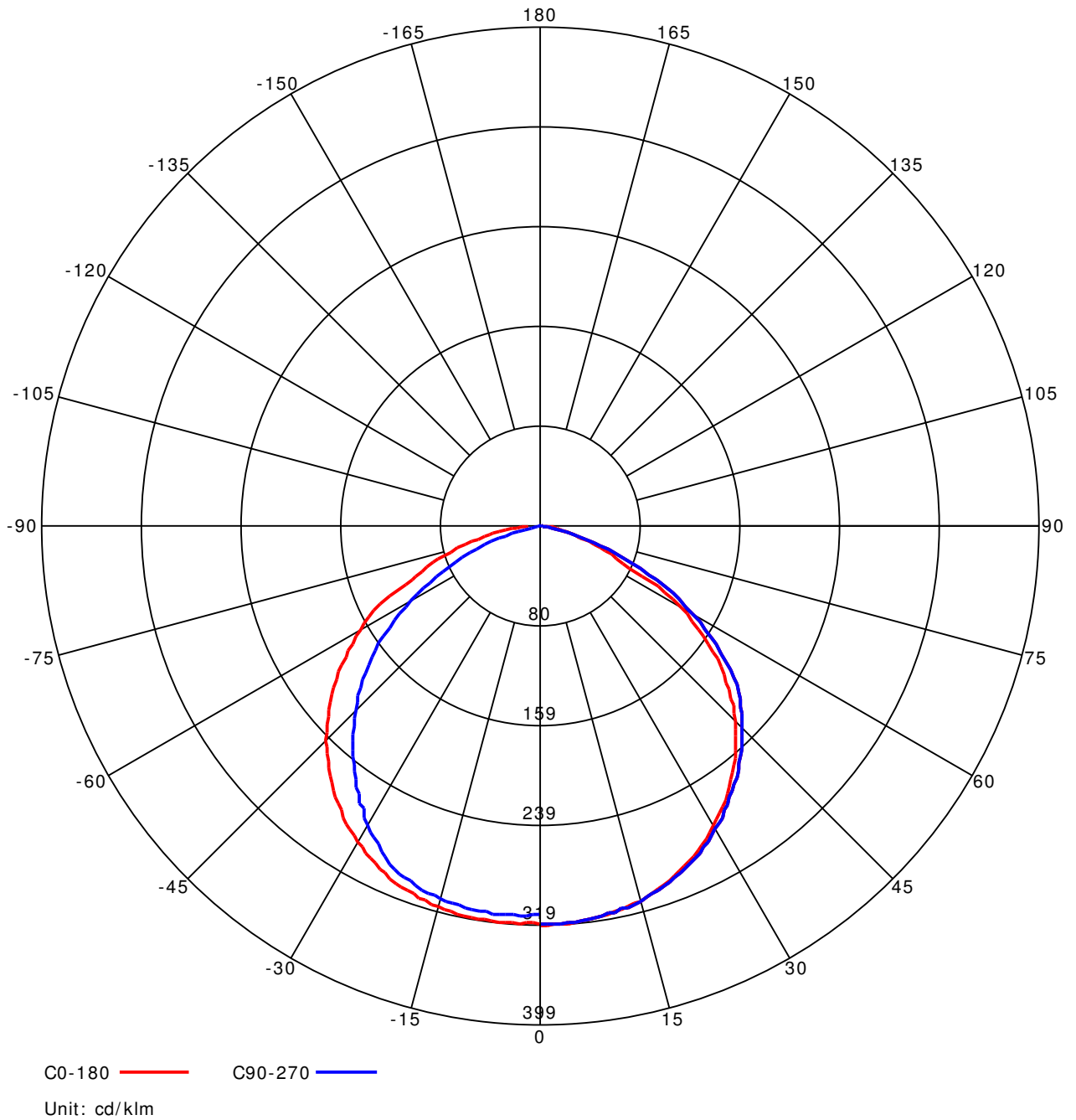
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

Luminous Intensity Distribution Curve



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.35 m
Remarks:

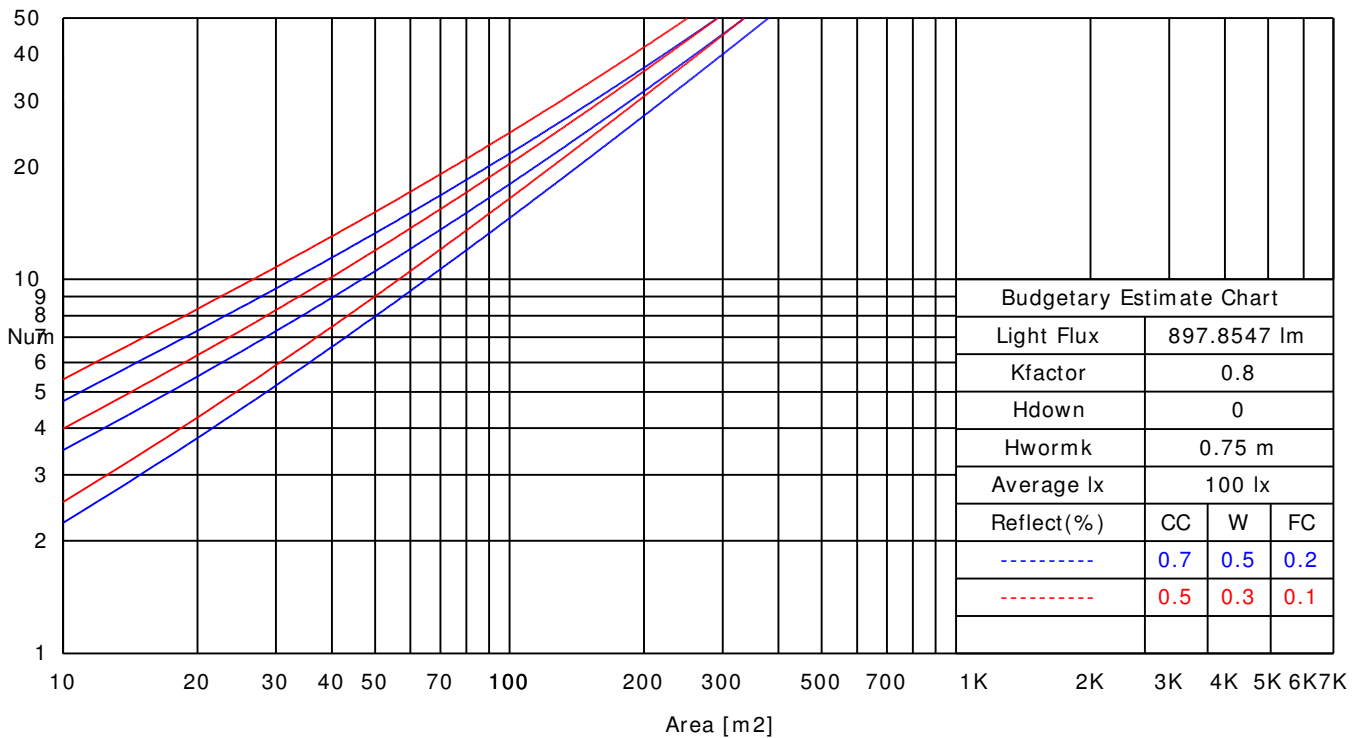
Report No.:

Test Time: 2020/3/14 10:00:00

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.08	1.06	1.05	1.06	1.04	1.03	1.02	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.87	0.82
2	0.96	0.94	0.93	0.95	0.93	0.91	0.93	0.90	0.87	0.89	0.85	0.83	0.83	0.80	0.77	0.73
3	0.86	0.84	0.83	0.86	0.83	0.81	0.84	0.80	0.77	0.81	0.77	0.74	0.77	0.73	0.69	0.65
4	0.78	0.75	0.74	0.77	0.74	0.72	0.76	0.72	0.69	0.74	0.69	0.66	0.71	0.66	0.62	0.58
5	0.70	0.68	0.67	0.70	0.67	0.65	0.69	0.65	0.62	0.68	0.63	0.59	0.66	0.60	0.56	0.52
6	0.64	0.62	0.60	0.64	0.61	0.59	0.64	0.59	0.56	0.63	0.58	0.54	0.61	0.55	0.51	0.47
7	0.59	0.56	0.55	0.59	0.56	0.54	0.59	0.55	0.52	0.58	0.53	0.49	0.57	0.51	0.46	0.43
8	0.54	0.52	0.51	0.54	0.51	0.50	0.54	0.50	0.47	0.54	0.49	0.45	0.53	0.47	0.43	0.40
9	0.50	0.48	0.47	0.50	0.48	0.46	0.51	0.47	0.44	0.50	0.45	0.42	0.50	0.44	0.40	0.37
10	0.47	0.45	0.43	0.47	0.44	0.43	0.47	0.43	0.41	0.47	0.42	0.39	0.47	0.41	0.37	0.34

LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

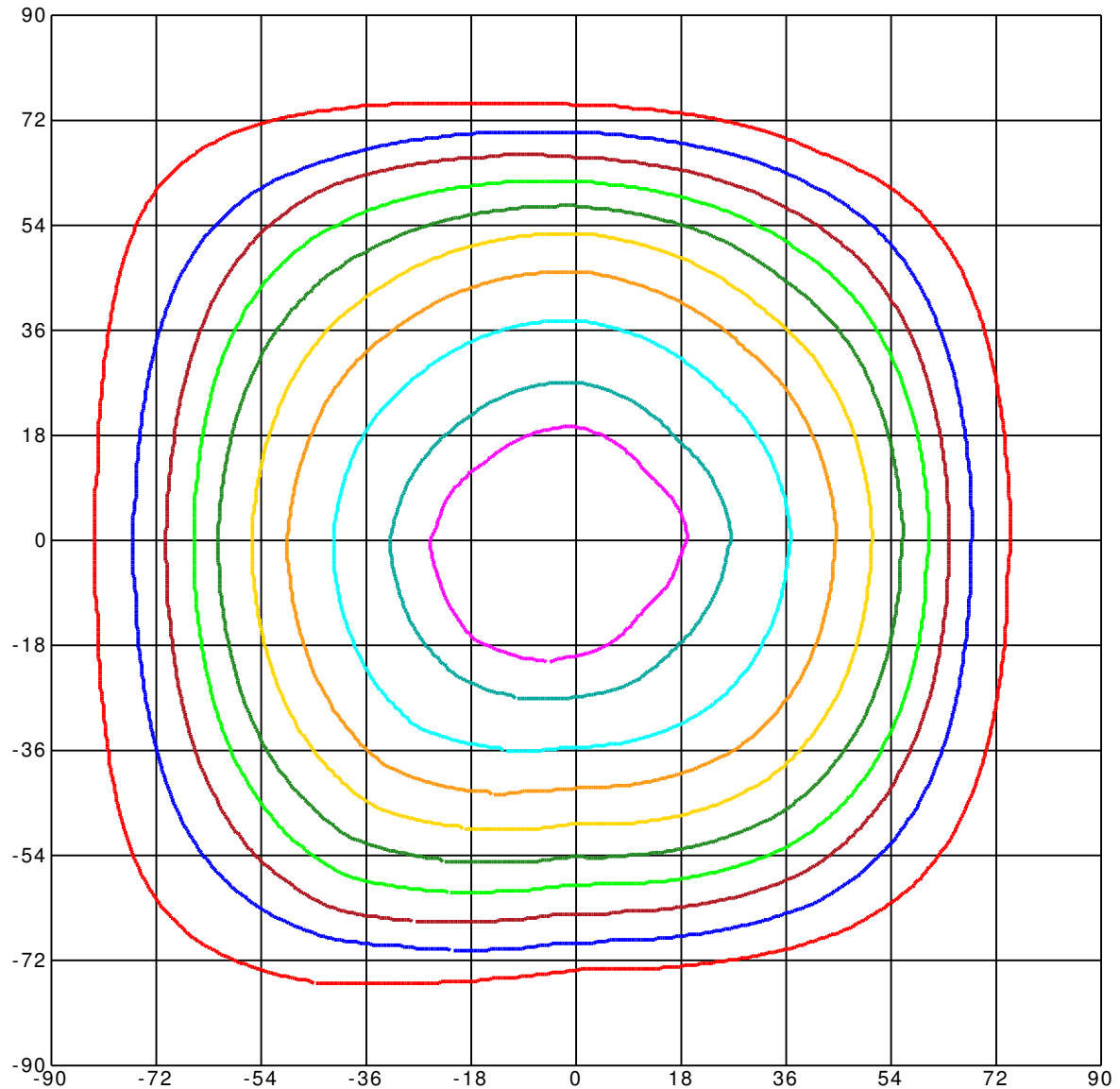
Test Distance: 6.35 m

Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

ISOCANDELA DIAGRAM (RECTANGULAR)



Unit of intensity:cd $I_{max}(100\%)$: 318.87 cd

302.927(95% I_{max})

286.983(90% I_{max})

255.096(80% I_{max})

223.209(70% I_{max})

191.322(60% I_{max})

159.435(50% I_{max})

127.548(40% I_{max})

95.661(30% I_{max})

63.774(20% I_{max})

31.887(10% I_{max})

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

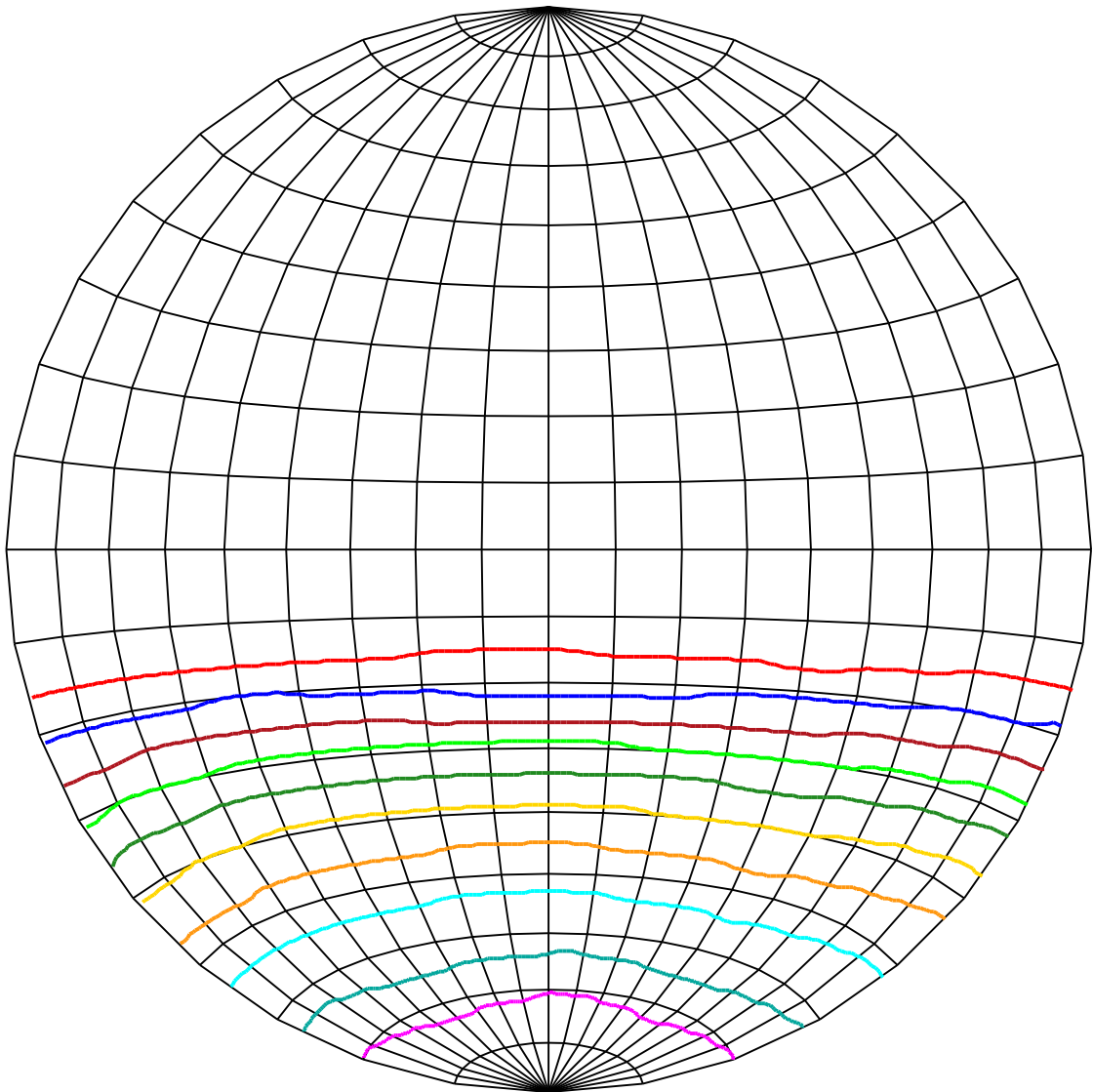
Test Distance: 6.35 m

Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

I SOCANDELA DI AGRAM (SPHERE)



Unit of intensity:cd $I_{max}(100\%)$: 318.87 cd

302.927(95% I_{max})
286.983(90% I_{max})
255.096(80% I_{max})
223.209(70% I_{max})
191.322(60% I_{max})

159.435(50% I_{max})
127.548(40% I_{max})
95.661(30% I_{max})
63.774(20% I_{max})
31.887(10% I_{max})

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

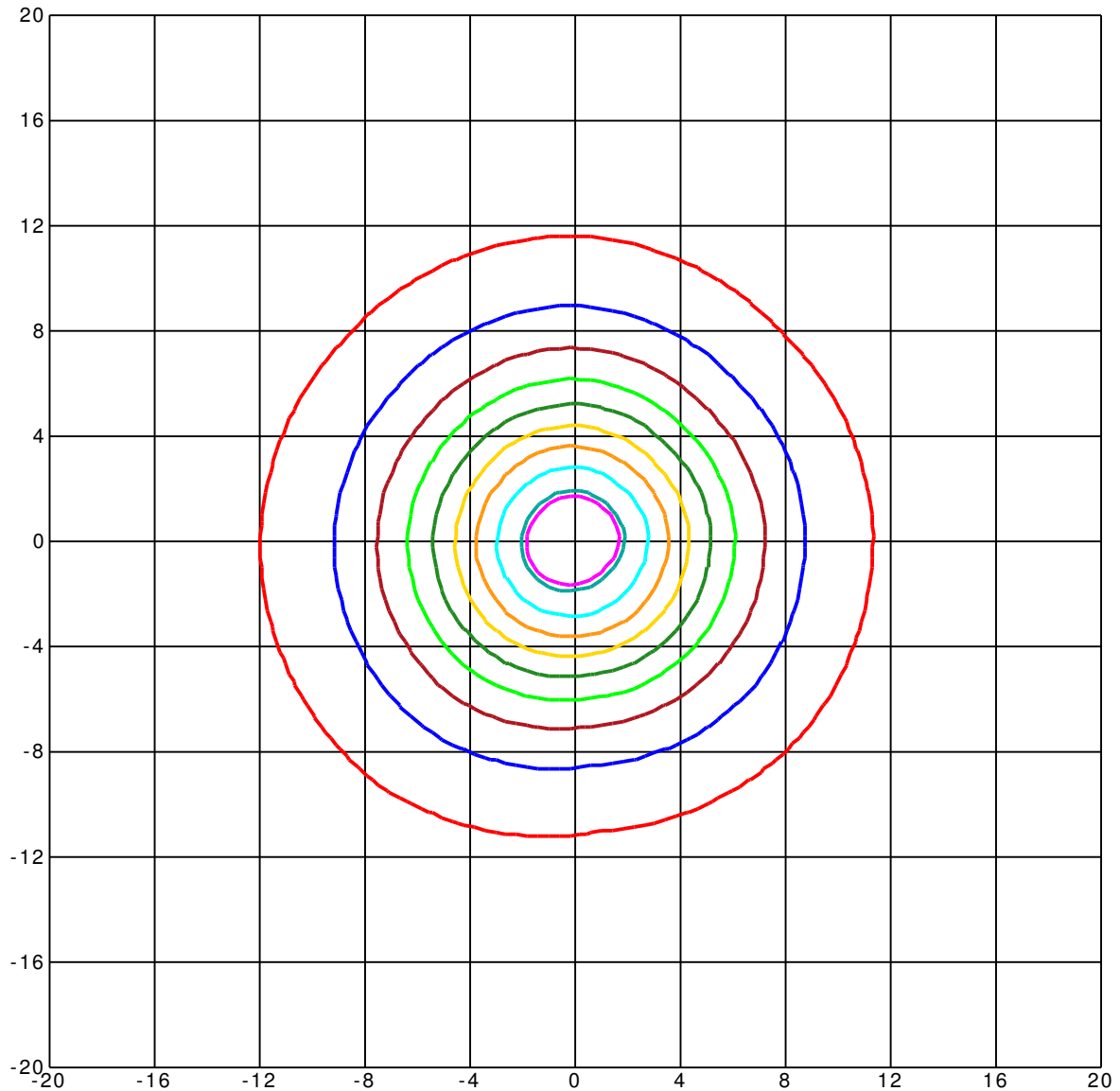
Test Distance: 6.35 m

Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

I SOLX DI AGRAM



Unit of illumination: lx

Height of plane: 8.0(m)/26.25(ft)

4.583(1% Emax)

4.484(1% Emax)

3.985(1% Emax)

3.487(1% Emax)

2.989(1% Emax)

2.491(1% Emax)

1.993(1% Emax)

1.495(0% Emax)

0.996(0% Emax)

0.498(0% Emax)

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

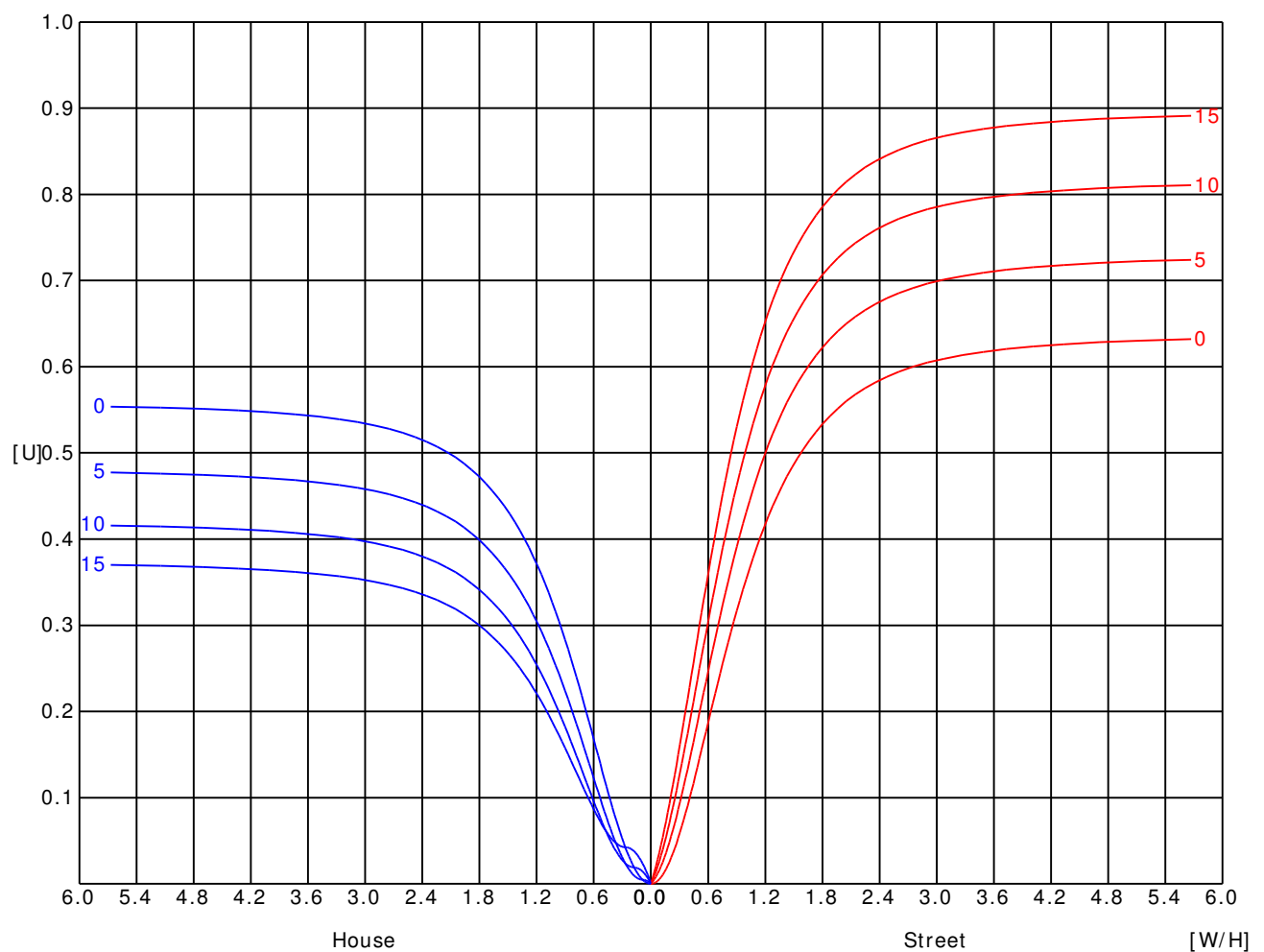
Test Distance: 6.35 m

Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

UTILIZATION FACTOR DIAGRAM (ROAD)



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2020/3/14 10:00:00

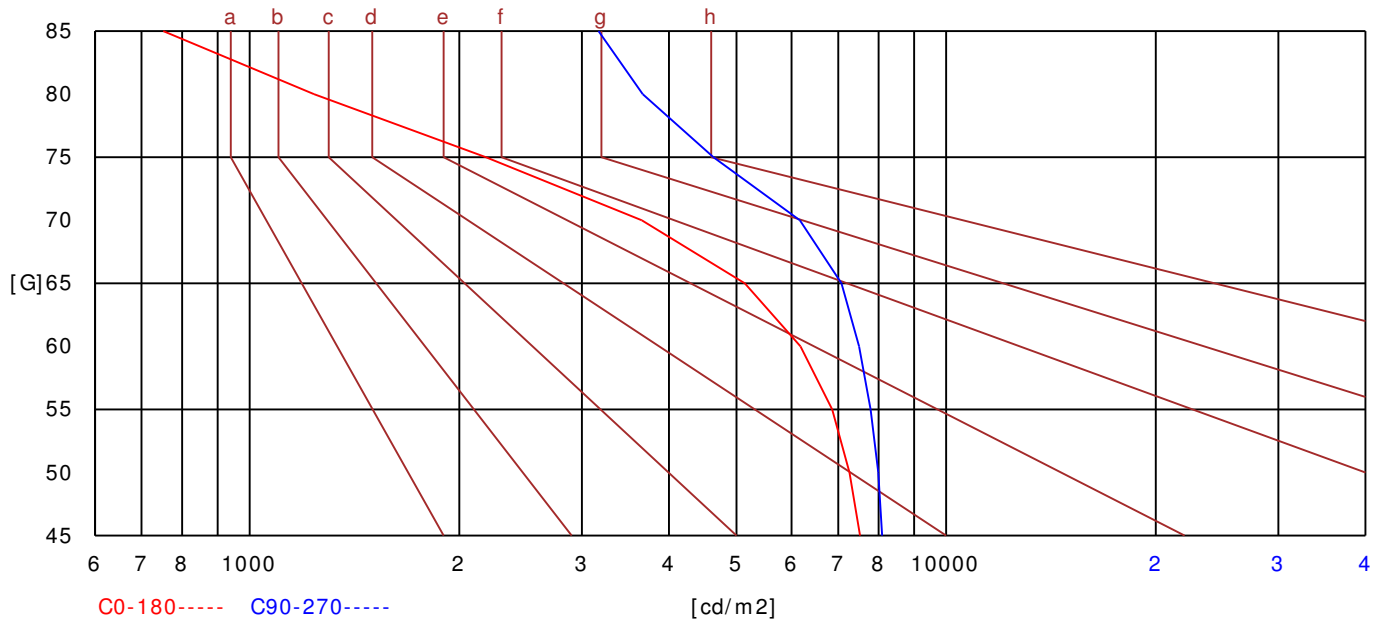
G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

BRIGHT LIMIT DIAGRAM

C/G	45	50	55	60	65	70	75	80	85
C0	7522	7266	6863	6177	5140	3655	2185	1237	752
C90	8092	7993	7787	7500	7075	6169	4635	3669	3169
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



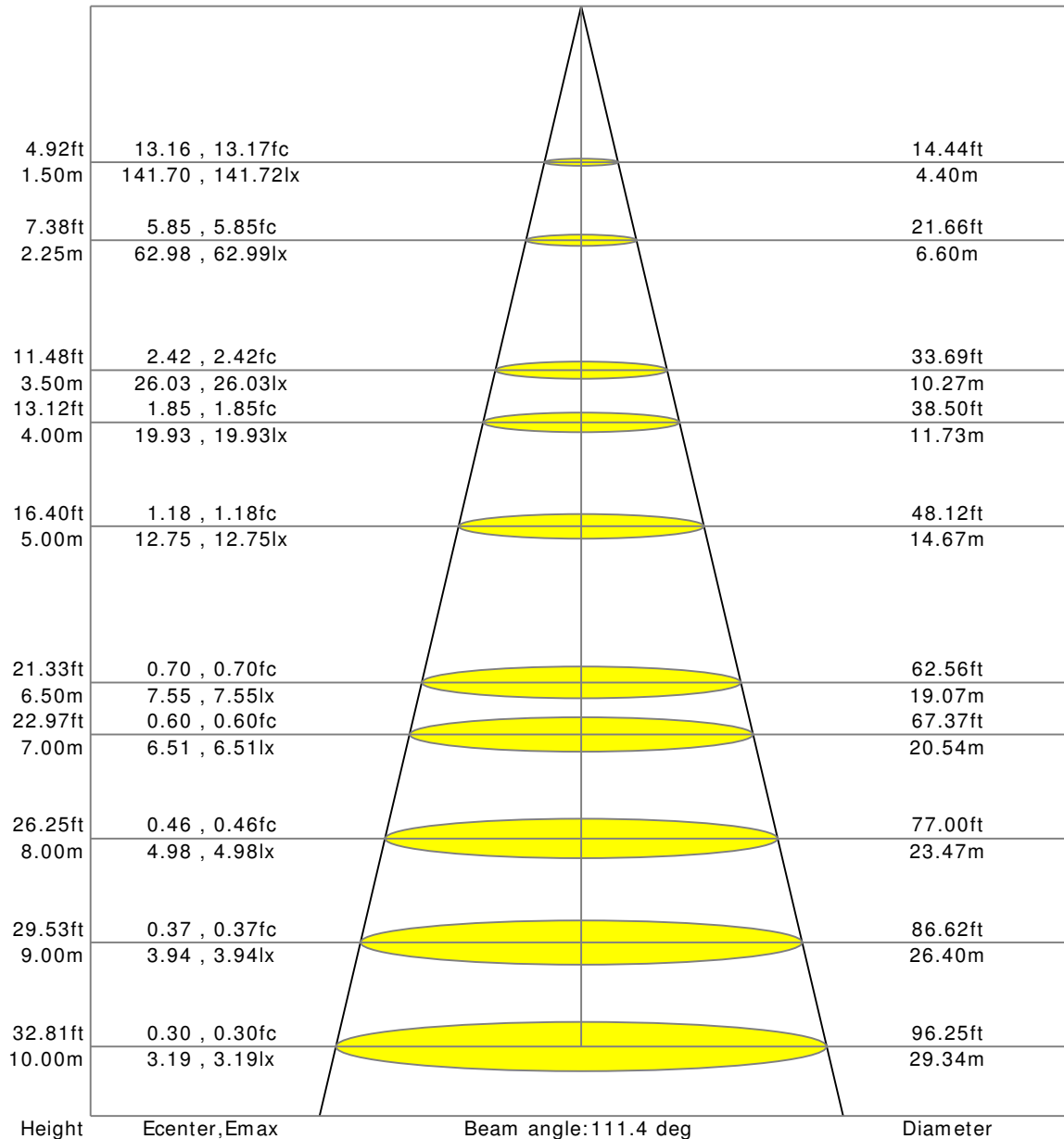
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

LX-DI STANCE DI AGRAM



C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

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	18.52	18.60	18.72	18.78	19.03	18.73	18.80	18.93	18.99	19.23
3H	18.56	18.64	18.77	18.83	19.08	18.75	18.82	18.96	19.02	19.26
4H	18.55	18.62	18.76	18.82	19.07	18.73	18.80	18.94	19.00	19.25
6H	18.52	18.59	18.74	18.79	19.04	18.71	18.77	18.92	18.97	19.23
8H	18.50	18.57	18.72	18.78	19.03	18.69	18.76	18.91	18.96	19.21
12H	18.49	18.55	18.71	18.76	19.02	18.67	18.74	18.90	18.95	19.20
4H 2H	19.72	19.79	19.93	19.99	20.24	20.18	20.26	20.40	20.45	20.70
3H	19.80	19.86	20.02	20.07	20.33	20.24	20.31	20.46	20.51	20.77
4H	19.79	19.85	20.02	20.06	20.32	20.23	20.29	20.46	20.50	20.76
6H	19.76	19.82	20.00	20.04	20.30	20.20	20.25	20.43	20.48	20.74
8H	19.74	19.79	19.98	20.02	20.29	20.18	20.23	20.42	20.46	20.73
12H	19.72	19.77	19.97	20.00	20.27	20.16	20.21	20.41	20.44	20.71
8H 4H	19.87	19.94	20.09	20.14	20.40	20.22	20.28	20.44	20.49	20.74
6H	19.96	20.01	20.22	20.25	20.52	20.24	20.29	20.49	20.53	20.80
8H	19.94	19.99	20.21	20.23	20.51	20.22	20.27	20.48	20.51	20.79
12H	19.92	19.96	20.19	20.22	20.50	20.20	20.24	20.47	20.49	20.78
12H 4H	20.03	20.08	20.28	20.31	20.58	20.25	20.30	20.50	20.53	20.80
6H	20.01	20.06	20.27	20.30	20.58	20.22	20.26	20.48	20.51	20.79

C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

ZONAL LUMINOUS FLUX TABLE

[illegible]

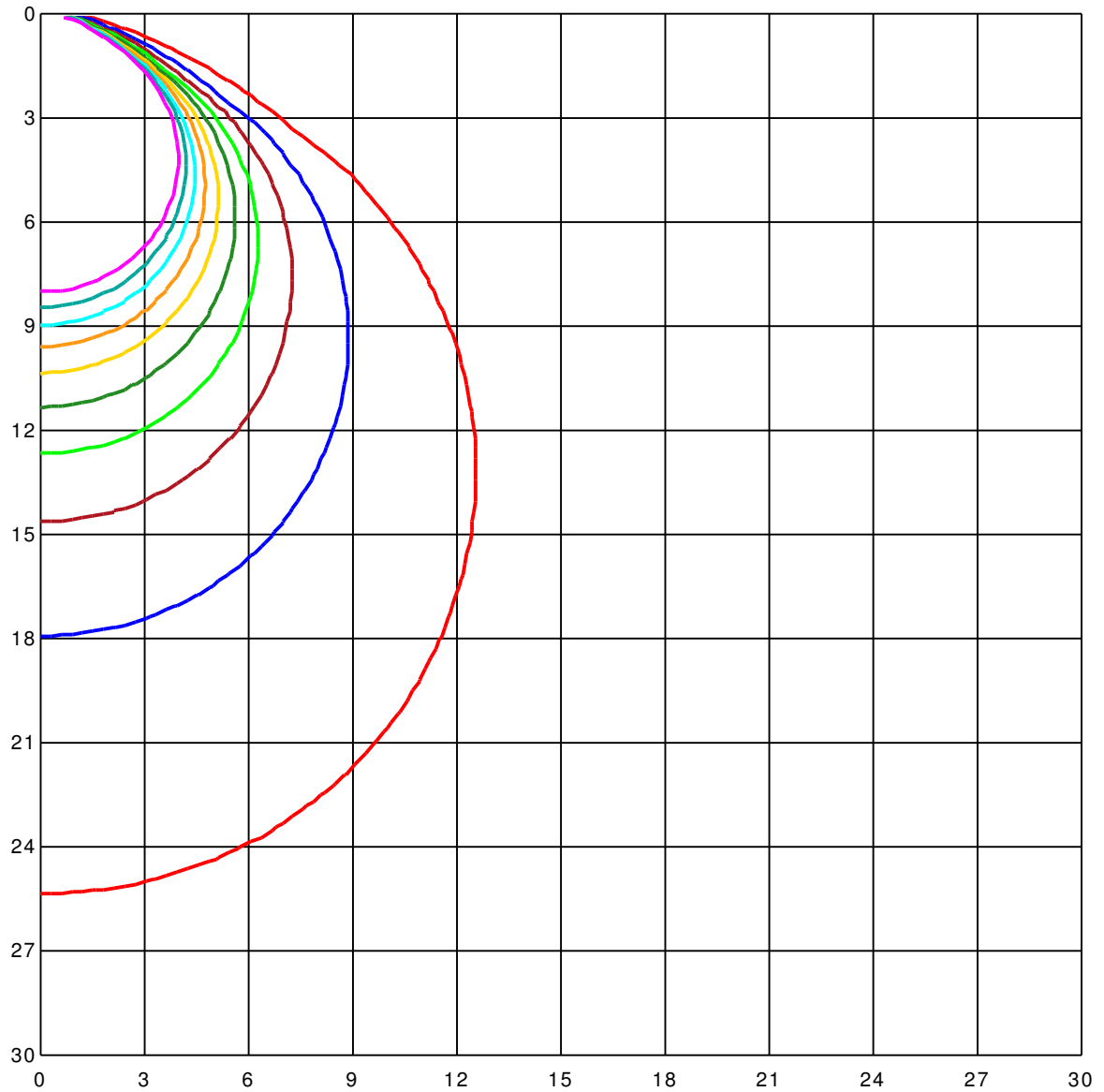
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.35 m
Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

SPACE I SOLX DI AGRAM



Unit of illumination: lx

4.964
4.467
3.971
3.475
2.978

2.482
1.986
1.489
0.993
0.496

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

Test Distance: 6.35 m

Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\ C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	318.83	318.63	318.1	317.94	318.06	317.5	310.48	314.11	317.62	
G1	318.83	318.47	318.1	318.06	317.26	317.62	310.85	314.43	317.62	
G2	318.79	318.31	318.1	318.06	317.5	317.78	311.37	314.52	317.58	
G3	318.67	317.94	318.75	318.1	318.87	317.86	311.49	313.23	317.34	
G4	318.39	317.54	317.9	317.94	317.86	317.9	311.61	314.11	317.18	
G5	318.06	317.06	317.78	317.82	318.02	317.86	311.65	313.79	316.65	
G6	317.66	316.45	317.42	317.42	318.02	317.82	311.61	312.02	316.33	
G7	317.1	315.64	317.1	317.1	317.98	317.7	312.7	312.46	315.68	
G8	316.53	314.88	315.93	316.65	317.86	317.5	311.29	311.61	315.04	
G9	315.68	313.87	316.05	316.09	317.82	317.34	311.17	310.56	315.28	
G10	314.96	313.67	314.31	315.52	317.62	316.77	311.65	309.76	313.43	
G11	314.11	312.62	314.68	314.64	317.22	316.77	310.32	308.67	312.58	
G12	313.06	311.37	312.58	313.83	316.85	316.25	309.72	307.74	311.41	
G13	312.06	308.63	312.62	312.7	316.41	315.81	309.07	306.53	310.32	
G14	310.64	307.22	311.45	312.46	315.77	315.12	309.07	305.48	309.07	
G15	310.48	305.56	310.2	310.48	315.0	314.39	308.51	304.52	307.78	
G16	308.02	303.95	308.79	309.03	314.27	313.47	306.65	303.27	306.33	
G17	306.45	302.22	307.3	308.87	312.5	312.46	306.77	301.98	304.8	
G18	305.0	300.4	305.68	306.29	312.18	311.29	305.56	300.56	303.35	
G19	303.31	298.59	304.15	304.72	310.81	310.0	304.31	299.03	301.25	
G20	301.61	296.57	302.34	303.14	309.68	308.63	301.98	297.34	299.84	
G21	299.72	294.43	300.52	301.45	308.83	307.02	301.29	295.4	297.06	
G22	297.74	292.3	298.67	299.68	307.86	305.24	299.56	293.14	295.97	
G23	295.6	289.96	296.69	297.78	306.33	303.59	297.82	290.81	293.83	
G24	293.35	287.46	294.64	295.81	303.59	302.82	295.52	288.87	291.61	
G25	291.05	284.88	292.5	293.63	303.02	299.76	292.02	285.68	289.23	
G26	288.51	282.18	290.32	291.45	299.92	297.62	289.88	284.11	286.73	
G27	285.93	279.48	287.78	289.03	297.94	295.48	284.76	281.77	284.03	
G28	283.02	276.49	285.4	286.61	295.89	293.31	282.34	278.31	281.17	
G29	280.36	273.51	282.34	283.91	293.67	291.53	279.72	276.98	278.55	
G30	277.46	270.36	280.08	281.29	291.33	288.47	275.73	274.43	275.68	
G31	274.35	267.26	277.34	277.78	288.83	285.97	272.22	271.09	272.62	
G32	271.25	263.91	274.39	275.56	286.25	283.39	266.57	268.63	270.28	
G33	267.94	260.56	270.4	272.5	283.55	280.73	264.43	265.2	266.29	
G34	264.56	258.1	268.35	269.52	280.68	277.3	258.43	261.81	262.82	
G35	261.09	254.48	264.39	266.13	276.57	274.03	255.48	258.67	260.36	
G36	257.58	249.96	261.85	263.43	273.51	271.98	250.93	254.48	255.93	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

Test Distance: 6.35 m

Remarks:

Report No.:

Test Time: 2020/3/14 10:00:00

LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\ C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	253.99	246.21	258.39	259.39	271.37	268.95	245.93	250.73	252.34	
G38	250.08	243.02	254.92	255.97	267.94	264.56	242.1	247.1	248.55	
G39	246.29	238.59	251.29	252.42	264.35	262.26	237.54	243.23	244.64	
G40	242.62	234.6	247.66	249.76	260.69	258.67	233.79	239.03	240.56	
G41	238.23	230.52	243.95	245.04	257.14	255.08	228.06	235.0	236.57	
G42	234.03	226.21	240.2	241.09	253.1	251.37	223.79	230.77	232.42	
G43	229.76	221.85	237.3	237.1	249.15	247.5	218.43	226.69	228.19	
G44	225.24	216.61	232.42	233.1	245.24	243.59	213.06	222.82	223.55	
G45	220.64	212.74	228.43	228.87	241.89	239.48	208.87	218.47	218.99	
G46	215.85	207.94	225.12	224.56	236.98	235.89	202.94	214.19	213.39	
G47	210.89	203.02	220.08	220.16	232.7	230.85	199.31	209.52	209.31	
G48	205.73	197.82	215.77	215.44	228.27	226.17	192.9	204.64	203.43	
G49	199.8	192.5	211.29	209.84	224.6	222.22	187.46	199.48	198.99	
G50	194.56	186.81	206.65	205.52	219.19	217.02	182.74	193.95	193.02	
G51	189.07	181.33	201.77	200.52	214.27	211.57	176.41	188.31	187.7	
G52	183.31	175.52	196.81	195.28	209.23	206.41	169.68	182.42	181.65	
G53	177.1	169.64	191.21	189.92	204.15	201.17	164.68	176.61	175.64	
G54	170.73	163.55	183.71	184.35	198.91	195.77	159.11	170.44	169.23	
G55	164.31	157.46	177.26	178.67	193.59	190.36	152.62	164.23	162.94	
G56	157.7	151.61	169.92	173.19	187.42	184.8	145.73	157.82	156.25	
G57	151.05	145.0	162.94	167.54	182.66	179.11	139.19	151.33	149.64	
G58	143.91	137.62	155.89	161.94	177.18	173.43	132.58	144.76	142.54	
G59	136.53	131.09	148.47	156.45	171.53	167.5	125.52	137.9	135.28	
G60	129.39	123.55	140.89	150.0	165.93	161.61	118.87	131.05	127.82	
G61	121.57	116.33	133.23	144.07	160.4	155.6	111.89	123.91	120.28	
G62	113.43	109.03	125.73	137.94	154.31	149.44	105.64	116.81	112.78	
G63	106.01	101.65	118.31	131.85	148.83	143.1	99.52	109.6	105.04	
G64	91.13	94.23	111.01	125.77	142.98	136.85	92.02	101.9	90.2	
G65	79.31	86.89	102.66	119.6	133.27	130.36	86.09	94.52	77.74	
G66	72.86	79.6	95.24	113.27	116.77	123.91	79.35	87.22	70.93	
G67	67.02	72.54	87.54	107.06	111.49	117.3	73.75	79.44	65.44	
G68	61.61	65.65	80.32	100.52	106.89	110.48	67.26	72.1	60.12	
G69	56.33	58.55	72.9	94.11	101.29	103.51	60.44	64.96	54.84	
G70	51.09	50.0	65.44	84.39	95.97	96.73	53.67	57.66	49.64	
G71	45.93	41.77	58.43	70.0	90.6	89.15	46.81	47.34	44.64	
G72	41.05	35.24	50.89	64.07	85.4	76.21	40.56	41.65	40.08	
G73	36.81	30.69	44.35	58.51	80.04	69.92	34.6	36.25	36.01	

C Range: 0 - 360 Deg

C Interval: 45.0 Deg

Test Speed: High

Temperature:

Operators:

Test Date: 2020/3/14 10:00:00

G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

Test Distance: 6.35 m

Remarks:

