

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1057678

Luminaire Tested: **GAP-SA1C-740-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057678
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA1C-740-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 1050mA 1xLight Square PACKAGE 70CRI
4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4996.1 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

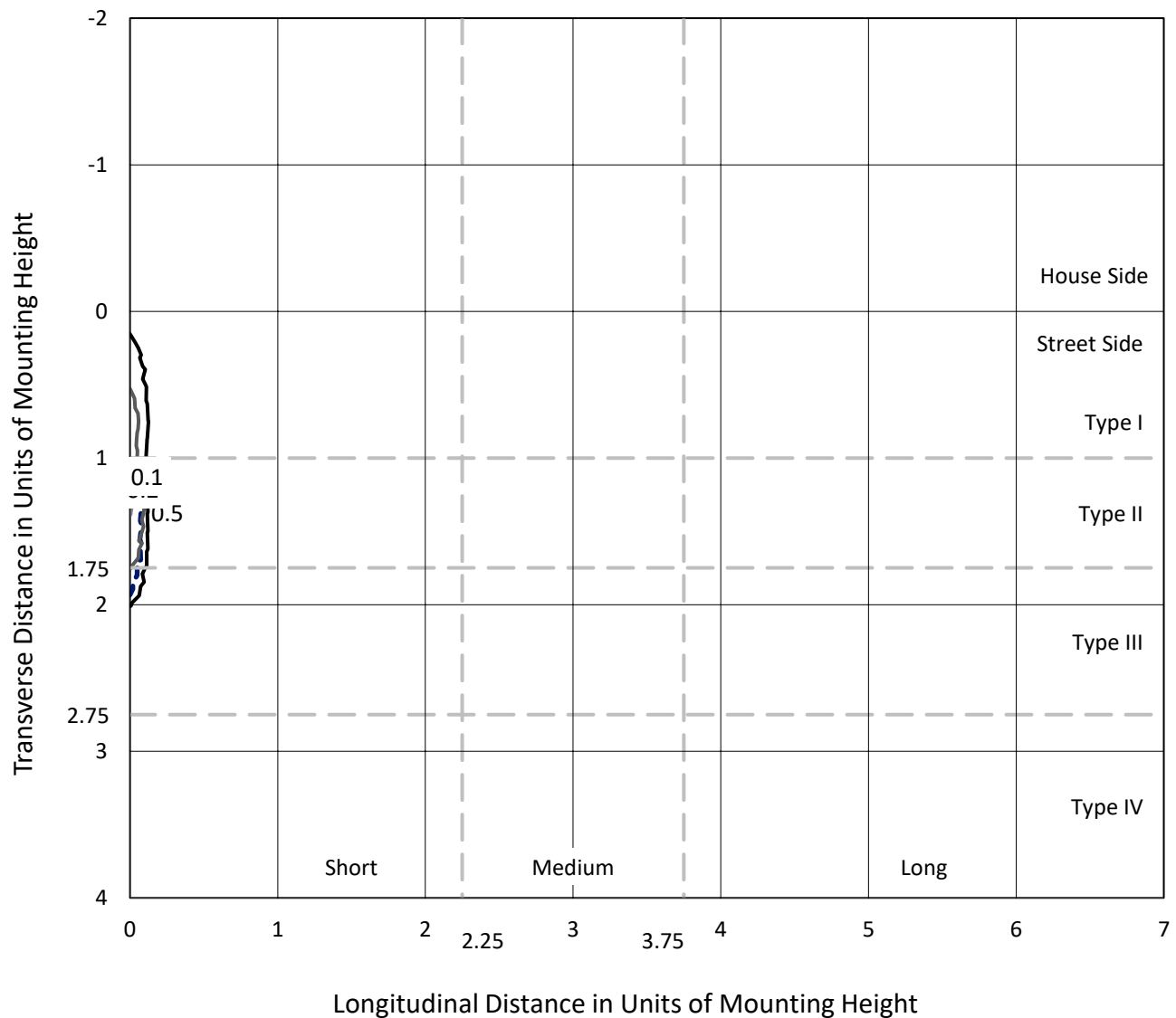


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

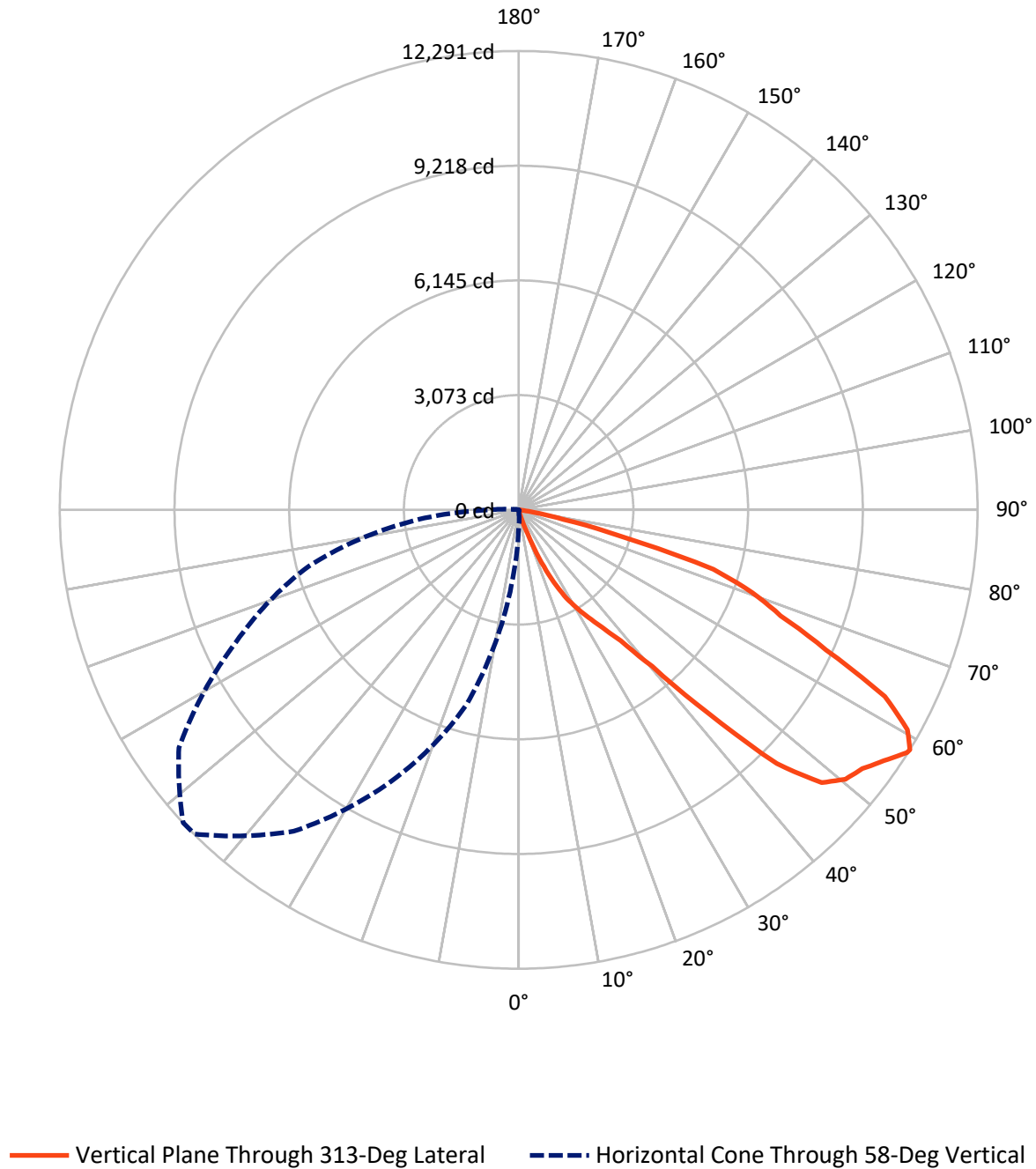


Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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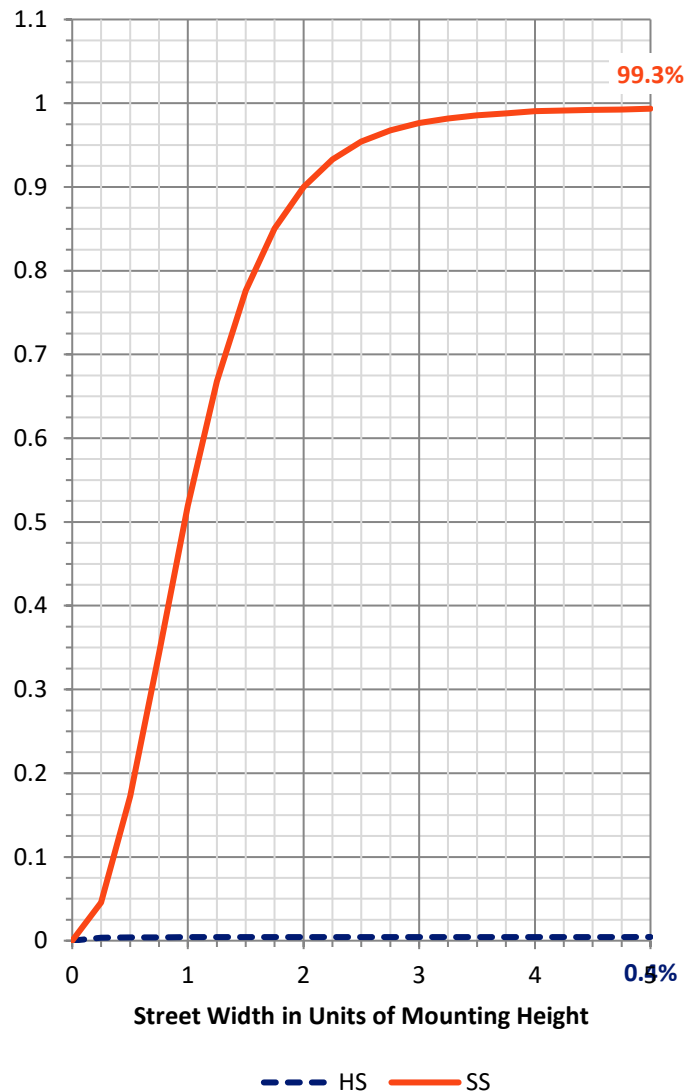
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22.3	0.0	22.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4973.8	0.0	4973.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	4996.1	0.0	4996.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	8.7	0.2
20°-30°	126.2	2.5
30°-40°	362.7	7.3
40°-50°	1033.2	20.7
50°-60°	1625.2	32.5
60°-70°	1386.0	27.7
70°-80°	442.1	8.8
80°-90°	11.3	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4996.1	100.0
0°-180°	4996.1	100.0



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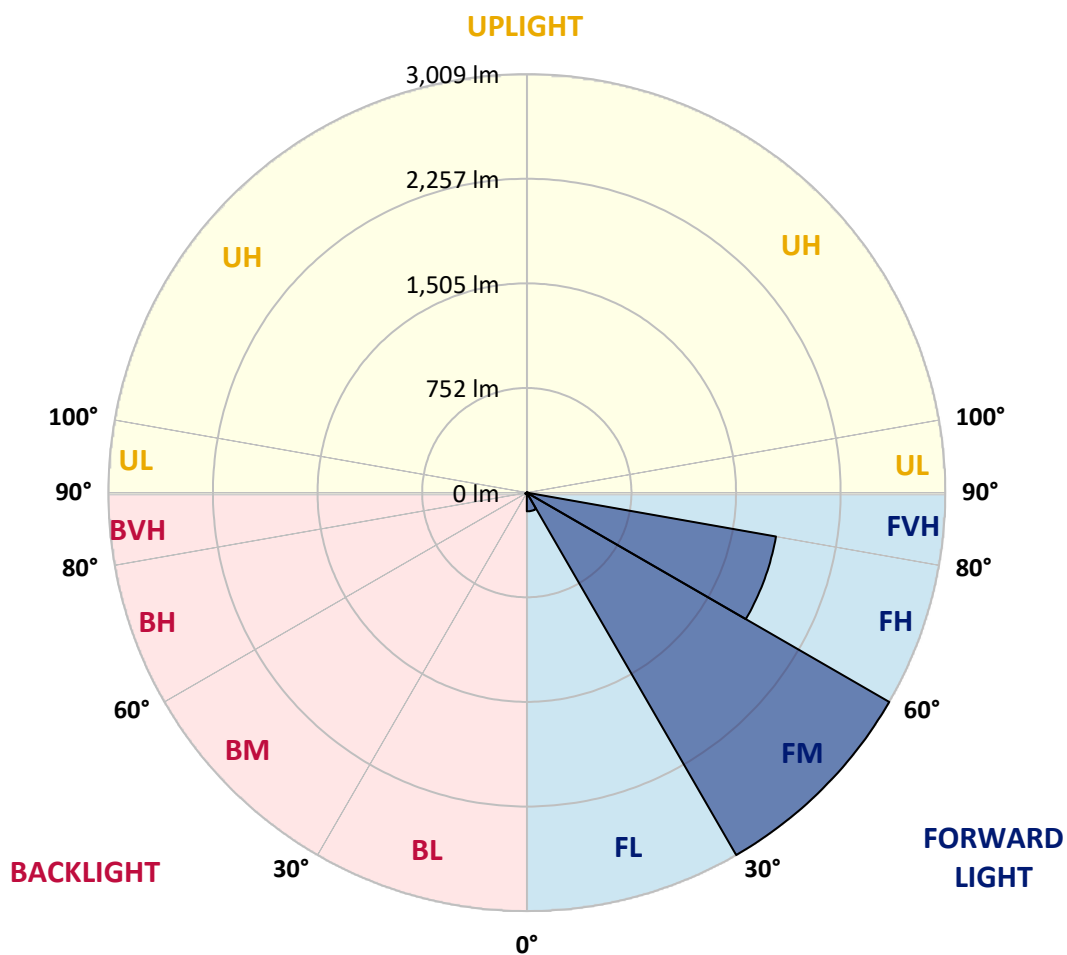
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.7	2.7			
FM	(30°-60°)	3009.3	60.2			
FH	(60°-80°)	1819.2	36.4			G2/5000
FVH	(80°-90°)	10.6	0.2			G1/100
BL	(0°-30°)	0.9	0.0	B0/110		
BM	(30°-60°)	12.0	0.2	B0/220		
BH	(60°-80°)	8.9	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	18.0	19.0	20.0	19.0	17.0	13.0	13.0	10.0	7.0	4.0	3.0
5°	20.0	20.0	20.0	19.0	17.0	13.0	12.0	9.0	6.0	4.0	2.0
7.5°	22.0	22.0	21.0	19.0	16.0	13.0	12.0	9.0	6.0	3.0	0.0
10°	24.0	24.0	22.0	20.0	16.0	12.0	11.0	8.0	5.0	2.0	0.0
12.5°	27.0	26.0	23.0	20.0	16.0	11.0	11.0	8.0	4.0	1.0	0.0
15°	31.0	28.0	24.0	20.0	15.0	11.0	10.0	7.0	3.0	0.0	0.0
17.5°	34.0	31.0	25.0	19.0	14.0	10.0	9.0	6.0	3.0	0.0	0.0
20°	37.0	32.0	25.0	19.0	14.0	9.0	8.0	5.0	1.0	0.0	0.0
22.5°	42.0	34.0	25.0	19.0	13.0	8.0	7.0	4.0	0.0	0.0	0.0
25°	52.0	36.0	25.0	18.0	12.0	7.0	6.0	2.0	0.0	0.0	0.0
27.5°	64.0	39.0	25.0	17.0	11.0	6.0	5.0	1.0	0.0	0.0	0.0
30°	77.0	42.0	25.0	17.0	10.0	5.0	4.0	0.0	0.0	0.0	0.0
32.5°	91.0	46.0	25.0	16.0	9.0	4.0	3.0	0.0	0.0	0.0	0.0
35°	117.0	52.0	25.0	16.0	8.0	3.0	2.0	0.0	0.0	0.0	0.0
37.5°	129.0	60.0	25.0	15.0	8.0	2.0	1.0	0.0	0.0	0.0	0.0
40°	134.0	58.0	24.0	15.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0
42.5°	145.0	54.0	25.0	14.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0
45°	177.0	54.0	27.0	14.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0
47.5°	307.0	56.0	26.0	14.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0
50°	504.9	66.0	25.0	15.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0
52.5°	585.9	80.0	25.0	16.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	561.9	98.0	25.0	17.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	510.9	93.0	27.0	20.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	491.9	93.0	27.0	20.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	386.0	95.0	31.0	22.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	287.0	97.0	35.0	25.0	15.0	1.0	0.0	0.0	0.0	0.0	0.0
65°	213.0	101.0	37.0	29.0	14.0	2.0	0.0	0.0	0.0	0.0	0.0
67.5°	170.0	104.0	40.0	32.0	16.0	4.0	1.0	0.0	0.0	0.0	0.0
70°	146.0	100.0	43.0	33.0	15.0	6.0	3.0	0.0	0.0	0.0	0.0
72.5°	130.0	94.0	49.0	32.0	16.0	6.0	3.0	0.0	0.0	0.0	0.0
75°	117.0	86.0	56.0	31.0	16.0	6.0	4.0	0.0	0.0	0.0	0.0
77.5°	88.0	75.0	55.0	30.0	15.0	6.0	4.0	0.0	0.0	0.0	0.0
80°	44.0	50.0	48.0	27.0	12.0	5.0	4.0	1.0	0.0	0.0	0.0
82.5°	18.0	19.0	24.0	20.0	10.0	4.0	4.0	1.0	0.0	0.0	0.0
85°	2.0	4.0	7.0	8.0	7.0	4.0	4.0	1.0	0.0	0.0	0.0
87.5°	0.0	1.0	4.0	6.0	5.0	3.0	2.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	1.0	2.0	2.0	2.0	3.0	3.0	4.0	5.0	5.0	5.0	6.0
5°	0.0	0.0	1.0	1.0	2.0	3.0	4.0	6.0	7.0	7.0	8.0
7.5°	0.0	0.0	0.0	1.0	2.0	3.0	4.0	6.0	8.0	9.0	10.0
10°	0.0	0.0	0.0	0.0	1.0	2.0	4.0	7.0	10.0	12.0	14.0
12.5°	0.0	0.0	0.0	0.0	0.0	1.0	4.0	8.0	12.0	15.0	17.0
15°	0.0	0.0	0.0	0.0	0.0	1.0	4.0	8.0	15.0	18.0	22.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.0	17.0	22.0	30.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	9.0	19.0	27.0	45.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	9.0	21.0	35.0	83.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	9.0	24.0	52.0	138.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	29.0	73.0	202.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	36.0	99.0	282.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0	42.0	125.0	384.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	50.0	166.0	481.9
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	62.0	183.0	564.9
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	59.0	199.0	659.9
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	54.0	222.0	808.9
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	54.0	294.0	1138.9
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	66.0	457.9	1740.8
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	85.0	702.9	2478.7
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	103.0	864.9	2906.7
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	124.0	865.9	2892.7
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	138.0	774.9	2610.7
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	137.0	749.9	2532.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0	120.0	650.9	2210.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.0	16.0	105.0	466.9	1832.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	8.0	18.0	96.0	339.0	1375.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.0	21.0	92.0	240.0	956.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	12.0	24.0	85.0	172.0	629.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.0	30.0	80.0	135.0	380.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	12.0	38.0	70.0	110.0	204.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.0	41.0	58.0	80.0	124.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	11.0	37.0	42.0	35.0	42.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	22.0	9.0	9.0	14.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	7.0	7.0	7.0	7.0	8.0	8.0	11.0	14.0	17.0	18.0
5°	9.0	10.0	11.0	11.0	11.0	12.0	14.0	16.0	19.0	20.0
7.5°	13.0	14.0	16.0	16.0	16.0	17.0	18.0	20.0	22.0	22.0
10°	17.0	20.0	21.0	22.0	23.0	23.0	23.0	24.0	25.0	24.0
12.5°	23.0	27.0	32.0	33.0	33.0	33.0	32.0	30.0	28.0	27.0
15°	32.0	44.0	60.0	66.0	63.0	56.0	49.0	38.0	33.0	31.0
17.5°	59.0	120.0	218.0	241.0	236.0	203.0	119.0	58.0	39.0	34.0
20°	159.0	388.0	639.9	700.9	732.9	606.9	351.0	135.0	48.0	37.0
22.5°	343.0	805.9	1248.9	1406.8	1416.8	1139.9	682.9	274.0	69.0	42.0
25°	551.9	1288.8	1892.8	2045.8	2048.8	1756.8	1091.9	443.9	105.0	52.0
27.5°	845.9	1806.8	2482.7	2609.7	2607.7	2311.7	1577.8	677.9	147.0	64.0
30°	1146.9	2210.7	2871.7	3029.6	3044.6	2690.7	1983.8	954.9	192.0	77.0
32.5°	1444.8	2509.7	3226.6	3436.6	3423.6	3025.6	2266.7	1181.9	269.0	91.0
35°	1679.8	2764.7	3619.6	3877.5	3887.5	3393.6	2517.7	1401.8	335.0	117.0
37.5°	1880.8	3093.6	4142.5	4440.5	4453.5	3851.5	2780.7	1617.8	392.0	129.0
40°	2128.7	3633.6	5008.4	5514.3	5516.3	4705.4	3253.6	1859.8	468.9	134.0
42.5°	2685.7	4790.4	6700.2	7427.1	7490.1	6477.2	4328.5	2384.7	589.9	145.0
45°	3799.6	6315.3	8858.0	9694.9	9774.8	8682.0	6171.3	3596.6	855.9	177.0
47.5°	5124.4	7641.1	10111.8	10917.7	10970.7	9724.9	7405.1	4998.4	1456.8	307.0
50°	5939.3	8132.0	10572.8	11341.7	11350.7	10067.8	7792.1	5726.3	2075.8	504.9
52.5°	6192.3	8195.0	10590.7	11520.6	11546.6	10027.8	7845.1	5873.3	2333.7	585.9
55°	6089.3	8158.0	10780.7	11862.6	11890.6	10190.8	7809.1	5712.3	2212.7	561.9
57.5°	5854.3	8302.0	11092.7	12268.6	12268.6	10491.8	7942.1	5442.4	1916.8	510.9
58°	5819.3	8338.0	11109.7	12290.5	12281.5	10510.8	7997.1	5403.4	1851.8	491.9
60°	5771.3	8449.0	10983.7	11965.6	11939.6	10376.8	8097.0	5368.4	1536.8	386.0
62.5°	5701.3	8199.0	10065.8	11009.7	10942.7	9437.9	7810.1	5163.4	1146.9	287.0
65°	5342.4	7276.1	8391.0	9044.9	9023.9	7764.1	6722.2	4625.5	825.9	213.0
67.5°	4503.5	5696.3	6778.2	7566.1	7571.1	6338.3	5257.4	3696.6	561.9	170.0
70°	3167.6	4201.5	5762.3	6639.2	6679.2	5316.4	3894.5	2463.7	371.0	146.0
72.5°	1891.8	3173.6	4791.4	5457.4	5436.4	4411.5	2889.7	1468.8	226.0	130.0
75°	916.9	1896.8	2421.7	2808.7	2792.7	2206.7	1539.8	719.9	165.0	117.0
77.5°	249.0	582.9	937.9	1219.9	1252.9	883.9	504.9	193.0	103.0	88.0
80°	84.0	180.0	306.0	416.0	426.9	382.0	190.0	68.0	45.0	44.0
82.5°	32.0	44.0	56.0	50.0	50.0	52.0	41.0	29.0	21.0	18.0
85°	0.0	0.0	1.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

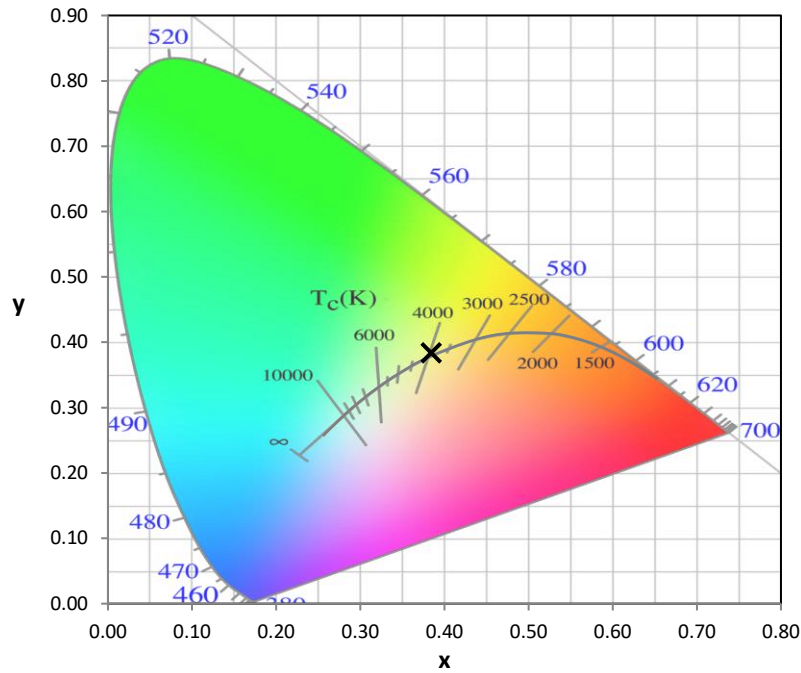
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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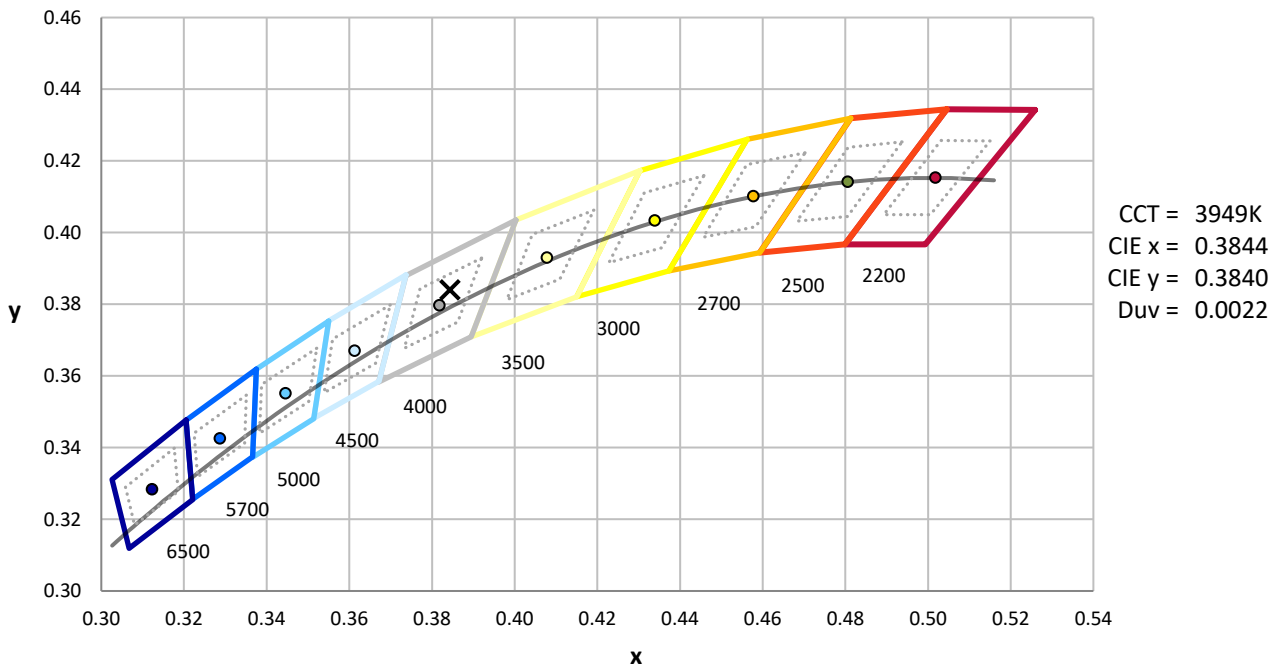
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram

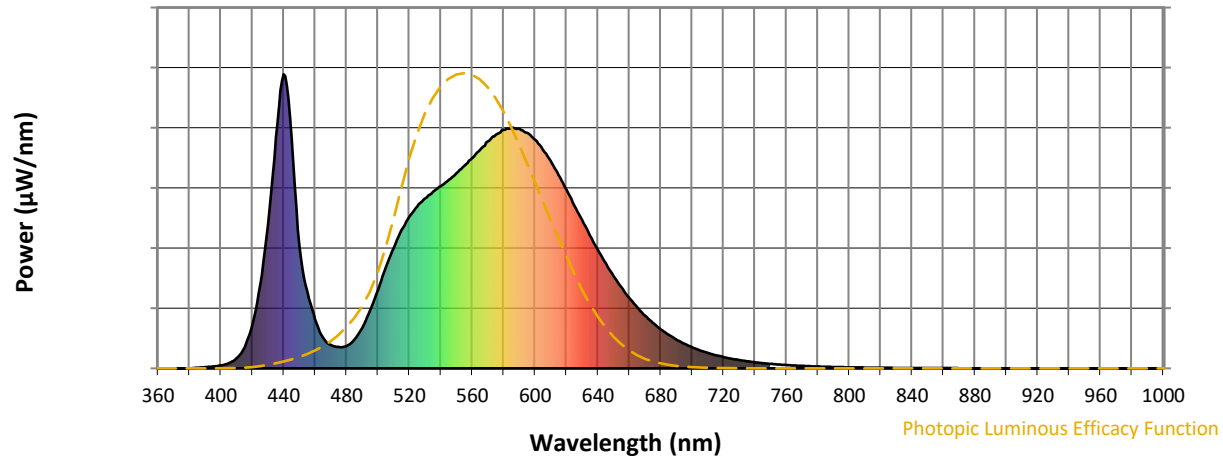


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.47

λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

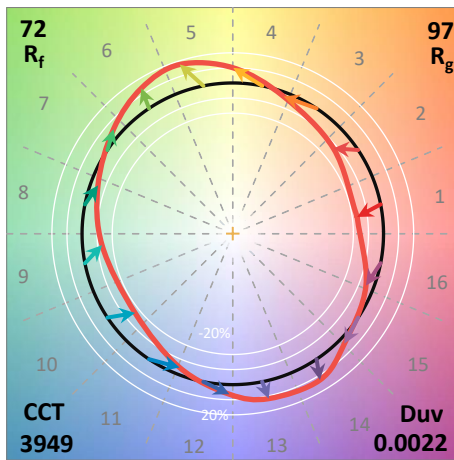
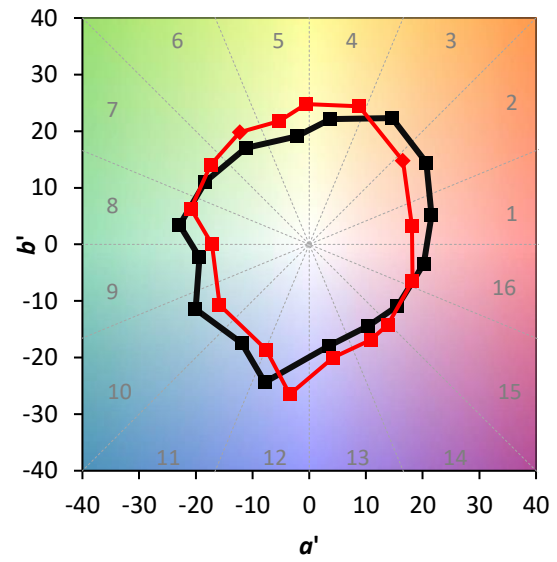
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 CIE $R_a = 70.7$
 $R_g = -36.7$



Color Vector Graphics

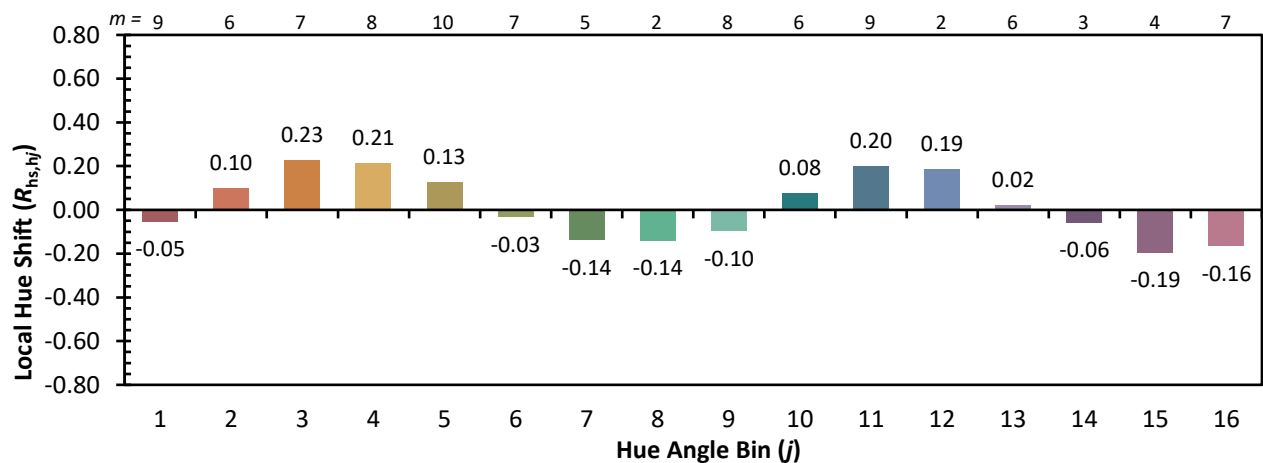


Individual Sample Fidelity Index ($R_{f,i}$)

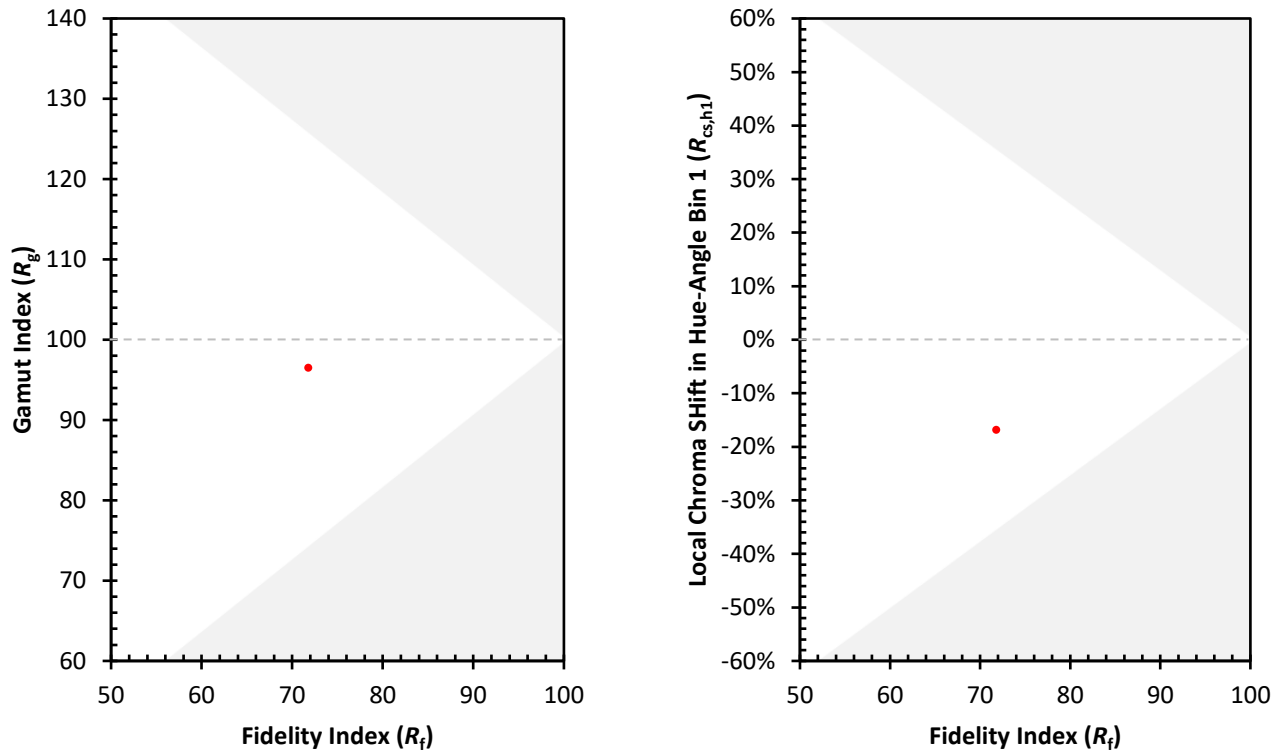
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)