

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: McGRAW-EDISON

Report Number: P991266

Luminaire Tested: **GPC-SA1B-750-U-RBC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991266
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA1B-750-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 800mA 1xLight Square PACKAGE 70CRI
5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (14) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4054 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 38.1
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: 24 FT

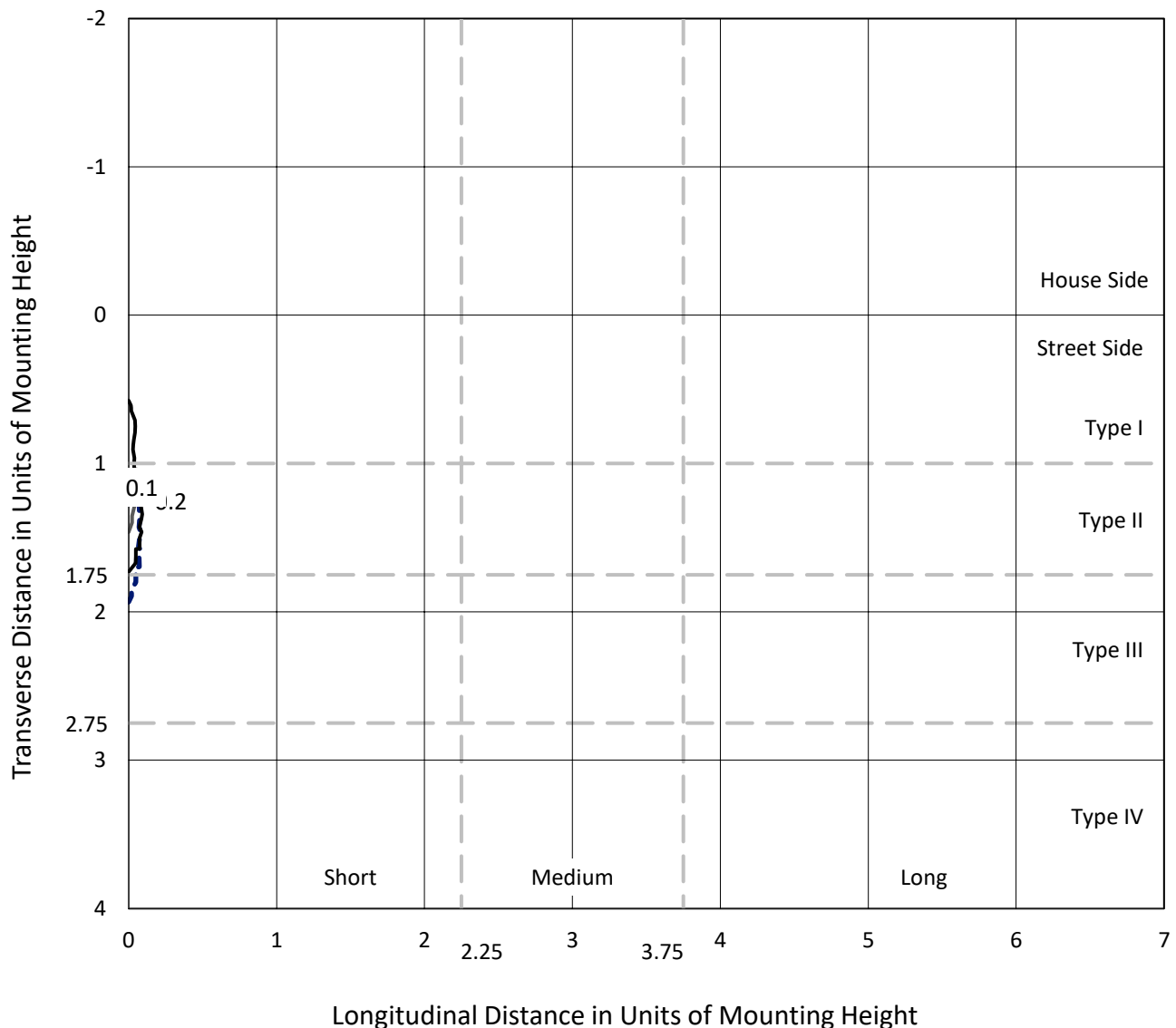


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Iso-Footcandle Lines of Horizontal Illumination

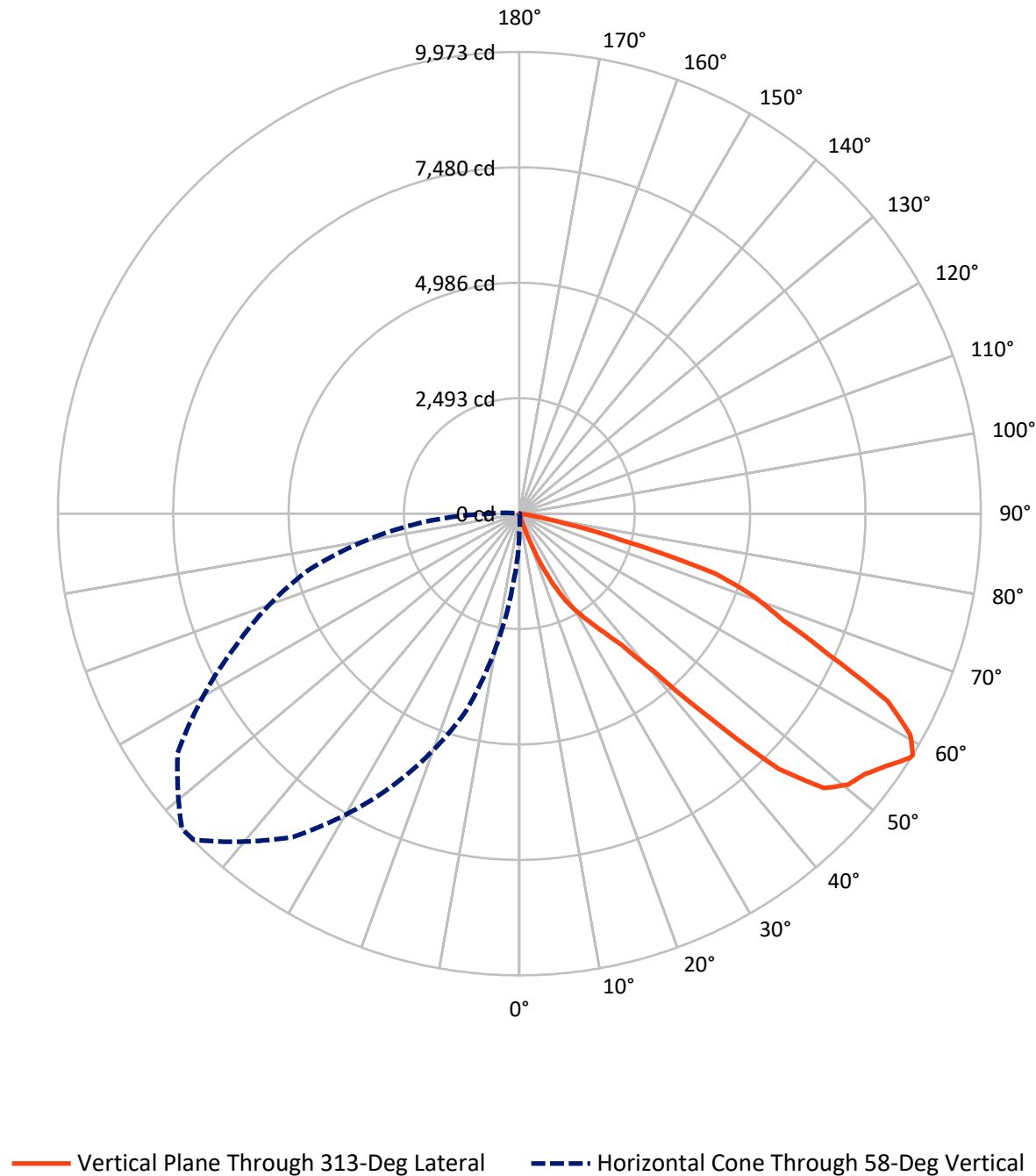
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.3 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	18.1	0.0	18.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4035.9	0.0	4035.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	4054.0	0.0	4054.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	7.0	0.2
20°-30°	102.4	2.5
30°-40°	294.3	7.3
40°-50°	838.4	20.7
50°-60°	1318.8	32.5
60°-70°	1124.6	27.7
70°-80°	358.7	8.8
80°-90°	9.1	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°	4054.0	100.0
0°-180°	4054.0	100.0



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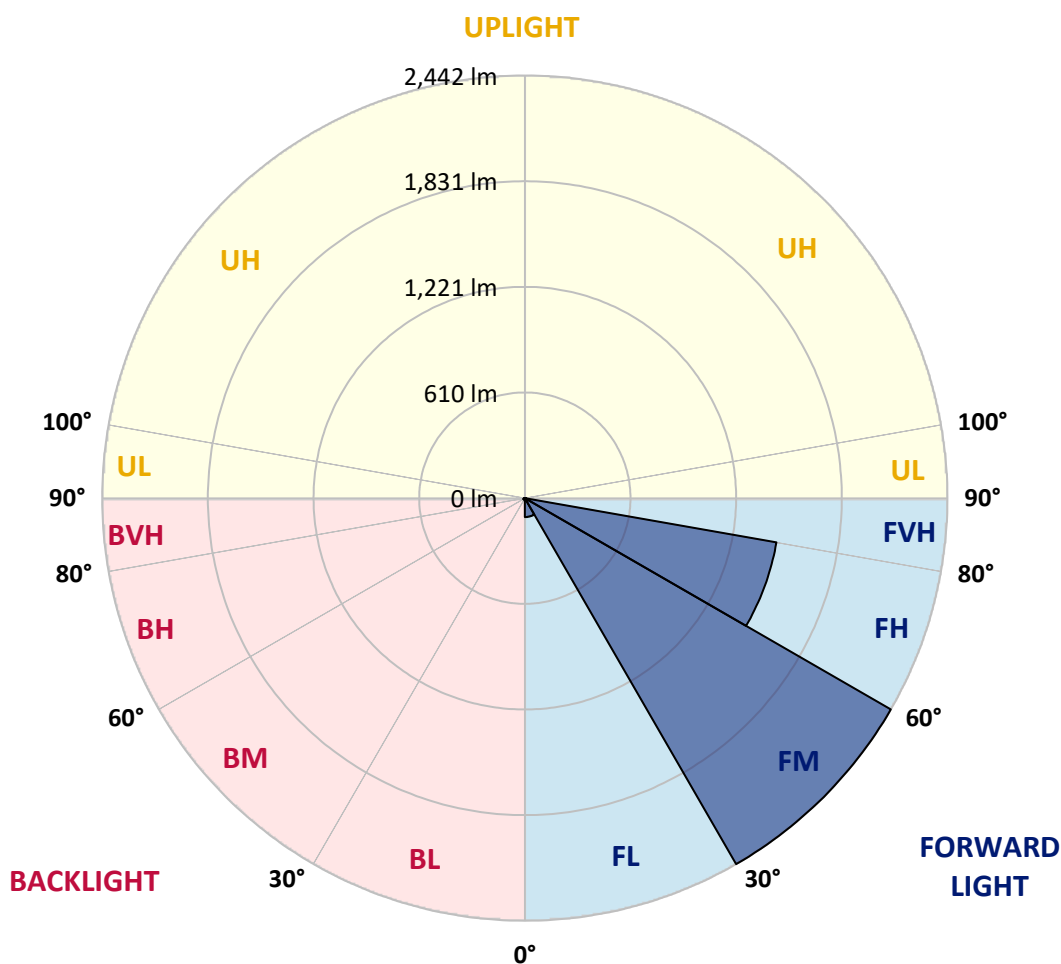
CATALOG NUMBER: GPC-SA1B-750-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.3	2.7			
FM	(30°-60°)	2441.8	60.2			
FH	(60°-80°)	1476.2	36.4			G1/1800
FVH	(80°-90°)	8.6	0.2			G0/10
BL	(0°-30°)	0.7	0.0	B0/110		
BM	(30°-60°)	9.7	0.2	B0/220		
BH	(60°-80°)	7.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	14.6	15.4	16.2	15.4	13.8	10.5	10.5	8.1	5.7	3.2	2.4
5°	16.2	16.2	16.2	15.4	13.8	10.5	9.7	7.3	4.9	3.2	1.6
7.5°	17.8	17.8	17.0	15.4	13.0	10.5	9.7	7.3	4.9	2.4	0.0
10°	19.5	19.5	17.8	16.2	13.0	9.7	8.9	6.5	4.1	1.6	0.0
12.5°	21.9	21.1	18.7	16.2	13.0	8.9	8.9	6.5	3.2	0.8	0.0
15°	25.2	22.7	19.5	16.2	12.2	8.9	8.1	5.7	2.4	0.0	0.0
17.5°	27.6	25.2	20.3	15.4	11.4	8.1	7.3	4.9	2.4	0.0	0.0
20°	30.0	26.0	20.3	15.4	11.4	7.3	6.5	4.1	0.8	0.0	0.0
22.5°	34.1	27.6	20.3	15.4	10.5	6.5	5.7	3.2	0.0	0.0	0.0
25°	42.2	29.2	20.3	14.6	9.7	5.7	4.9	1.6	0.0	0.0	0.0
27.5°	51.9	31.6	20.3	13.8	8.9	4.9	4.1	0.8	0.0	0.0	0.0
30°	62.5	34.1	20.3	13.8	8.1	4.1	3.2	0.0	0.0	0.0	0.0
32.5°	73.8	37.3	20.3	13.0	7.3	3.2	2.4	0.0	0.0	0.0	0.0
35°	94.9	42.2	20.3	13.0	6.5	2.4	1.6	0.0	0.0	0.0	0.0
37.5°	104.7	48.7	20.3	12.2	6.5	1.6	0.8	0.0	0.0	0.0	0.0
40°	108.7	47.1	19.5	12.2	5.7	0.8	0.0	0.0	0.0	0.0	0.0
42.5°	117.6	43.8	20.3	11.4	5.7	0.8	0.0	0.0	0.0	0.0	0.0
45°	143.6	43.8	21.9	11.4	4.9	1.6	0.0	0.0	0.0	0.0	0.0
47.5°	249.1	45.4	21.1	11.4	4.9	1.6	0.0	0.0	0.0	0.0	0.0
50°	409.7	53.5	20.3	12.2	5.7	0.8	0.0	0.0	0.0	0.0	0.0
52.5°	475.4	64.9	20.3	13.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0
55°	456.0	79.5	20.3	13.8	8.9	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	414.6	75.5	21.9	16.2	11.4	0.0	0.0	0.0	0.0	0.0	0.0
58°	399.2	75.5	21.9	16.2	11.4	0.0	0.0	0.0	0.0	0.0	0.0
60°	313.2	77.1	25.2	17.8	12.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	232.9	78.7	28.4	20.3	12.2	0.8	0.0	0.0	0.0	0.0	0.0
65°	172.8	81.9	30.0	23.5	11.4	1.6	0.0	0.0	0.0	0.0	0.0
67.5°	137.9	84.4	32.5	26.0	13.0	3.2	0.8	0.0	0.0	0.0	0.0
70°	118.5	81.1	34.9	26.8	12.2	4.9	2.4	0.0	0.0	0.0	0.0
72.5°	105.5	76.3	39.8	26.0	13.0	4.9	2.4	0.0	0.0	0.0	0.0
75°	94.9	69.8	45.4	25.2	13.0	4.9	3.2	0.0	0.0	0.0	0.0
77.5°	71.4	60.8	44.6	24.3	12.2	4.9	3.2	0.0	0.0	0.0	0.0
80°	35.7	40.6	38.9	21.9	9.7	4.1	3.2	0.8	0.0	0.0	0.0
82.5°	14.6	15.4	19.5	16.2	8.1	3.2	3.2	0.8	0.0	0.0	0.0
85°	1.6	3.2	5.7	6.5	5.7	3.2	3.2	0.8	0.0	0.0	0.0
87.5°	0.0	0.8	3.2	4.9	4.1	2.4	1.6	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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.8	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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CATALOG NUMBER: GPC-SA1B-750-U-RBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	0.8	1.6	1.6	1.6	2.4	2.4	3.2	4.1	4.1	4.1	4.9
5°	0.0	0.0	0.8	0.8	1.6	2.4	3.2	4.9	5.7	5.7	6.5
7.5°	0.0	0.0	0.0	0.8	1.6	2.4	3.2	4.9	6.5	7.3	8.1
10°	0.0	0.0	0.0	0.0	0.8	1.6	3.2	5.7	8.1	9.7	11.4
12.5°	0.0	0.0	0.0	0.0	0.0	0.8	3.2	6.5	9.7	12.2	13.8
15°	0.0	0.0	0.0	0.0	0.0	0.8	3.2	6.5	12.2	14.6	17.8
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.3	13.8	17.8	24.3
20°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.3	15.4	21.9	36.5
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.3	17.0	28.4	67.3
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.3	19.5	42.2	112.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.1	23.5	59.2	163.9
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.1	29.2	80.3	228.8
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.1	34.1	101.4	311.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	40.6	134.7	391.1
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	50.3	148.5	458.4
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	47.9	161.5	535.5
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	43.8	180.1	656.4
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	43.8	238.5	924.1
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	53.5	371.6	1412.5
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	69.0	570.4	2011.3
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	83.6	701.8	2358.5
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	100.6	702.6	2347.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	112.0	628.8	2118.4
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	111.2	608.5	2055.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.1	97.4	528.2	1793.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	13.0	85.2	378.9	1487.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	14.6	77.9	275.0	1116.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.1	17.0	74.6	194.7	776.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	9.7	19.5	69.0	139.5	511.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.7	24.3	64.9	109.5	308.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	9.7	30.8	56.8	89.2	165.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.7	33.3	47.1	64.9	100.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	8.9	30.0	34.1	28.4	34.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	17.8	7.3	7.3	11.4
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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CATALOG NUMBER: GPC-SA1B-750-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	5.7	5.7	5.7	5.7	6.5	6.5	8.9	11.4	13.8	14.6
5°	7.3	8.1	8.9	8.9	8.9	9.7	11.4	13.0	15.4	16.2
7.5°	10.5	11.4	13.0	13.0	13.0	13.8	14.6	16.2	17.8	17.8
10°	13.8	16.2	17.0	17.8	18.7	18.7	18.7	19.5	20.3	19.5
12.5°	18.7	21.9	26.0	26.8	26.8	26.8	26.0	24.3	22.7	21.9
15°	26.0	35.7	48.7	53.5	51.1	45.4	39.8	30.8	26.8	25.2
17.5°	47.9	97.4	176.9	195.5	191.5	164.7	96.5	47.1	31.6	27.6
20°	129.0	314.8	519.2	568.7	594.7	492.5	284.8	109.5	38.9	30.0
22.5°	278.3	653.9	1013.3	1141.5	1149.7	924.9	554.1	222.3	56.0	34.1
25°	447.9	1045.8	1535.8	1660.0	1662.4	1425.5	886.0	360.2	85.2	42.2
27.5°	686.4	1466.1	2014.5	2117.6	2115.9	1875.8	1280.3	550.1	119.3	51.9
30°	930.6	1793.8	2330.1	2458.3	2470.5	2183.3	1609.7	774.8	155.8	62.5
32.5°	1172.4	2036.4	2618.2	2788.5	2778.0	2455.1	1839.3	959.0	218.2	73.8
35°	1363.0	2243.3	2937.0	3146.3	3154.4	2753.6	2042.9	1137.5	271.8	94.9
37.5°	1526.1	2510.2	3361.3	3603.1	3613.6	3125.2	2256.3	1312.7	318.0	104.7
40°	1727.3	2948.4	4063.9	4474.5	4476.1	3818.1	2640.1	1509.1	380.5	108.7
42.5°	2179.2	3887.1	5436.7	6026.5	6077.6	5255.8	3512.2	1935.0	478.7	117.6
45°	3083.0	5124.3	7187.5	7866.6	7931.5	7044.8	5007.5	2918.3	694.5	143.6
47.5°	4158.0	6200.2	8204.9	8858.9	8901.9	7891.0	6008.7	4055.8	1182.1	249.1
50°	4819.3	6598.5	8579.0	9202.9	9210.2	8169.2	6322.7	4646.5	1684.3	409.7
52.5°	5024.5	6649.6	8593.6	9348.1	9369.2	8136.8	6365.7	4765.7	1893.6	475.4
55°	4941.0	6619.6	8747.7	9625.6	9648.3	8269.0	6336.5	4635.1	1795.5	456.0
57.5°	4750.3	6736.4	9000.9	9955.0	9955.0	8513.3	6444.4	4416.1	1555.3	414.6
58°	4721.9	6765.7	9014.7	9972.8	9965.5	8528.7	6489.0	4384.4	1502.6	399.2
60°	4683.0	6855.7	8912.4	9709.1	9688.1	8419.9	6570.1	4356.0	1247.0	313.2
62.5°	4626.2	6652.9	8167.6	8933.5	8879.2	7658.1	6337.3	4189.7	930.6	232.9
65°	4334.9	5904.0	6808.7	7339.3	7322.2	6300.0	5454.6	3753.2	670.2	172.8
67.5°	3654.2	4622.1	5500.0	6139.3	6143.4	5143.0	4266.0	2999.5	456.0	137.9
70°	2570.3	3409.2	4675.7	5387.2	5419.7	4313.8	3160.1	1999.1	301.0	118.5
72.5°	1535.0	2575.2	3887.9	4428.2	4411.2	3579.6	2344.7	1191.8	183.4	105.5
75°	744.0	1539.1	1965.0	2279.0	2266.0	1790.6	1249.4	584.2	133.9	94.9
77.5°	202.0	473.0	761.0	989.8	1016.6	717.2	409.7	156.6	83.6	71.4
80°	68.2	146.0	248.3	337.5	346.4	309.9	154.2	55.2	36.5	35.7
82.5°	26.0	35.7	45.4	40.6	40.6	42.2	33.3	23.5	17.0	14.6
85°	0.0	0.0	0.8	1.6	1.6	2.4	2.4	2.4	1.6	1.6
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

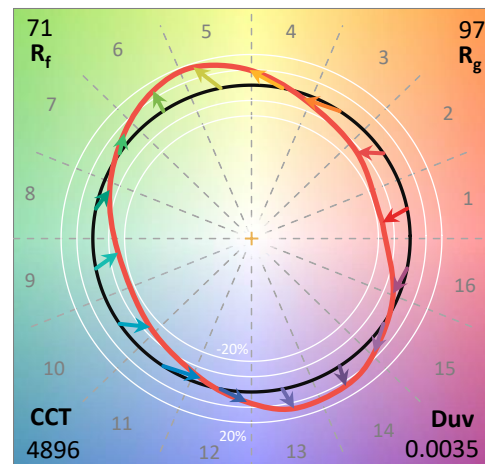
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

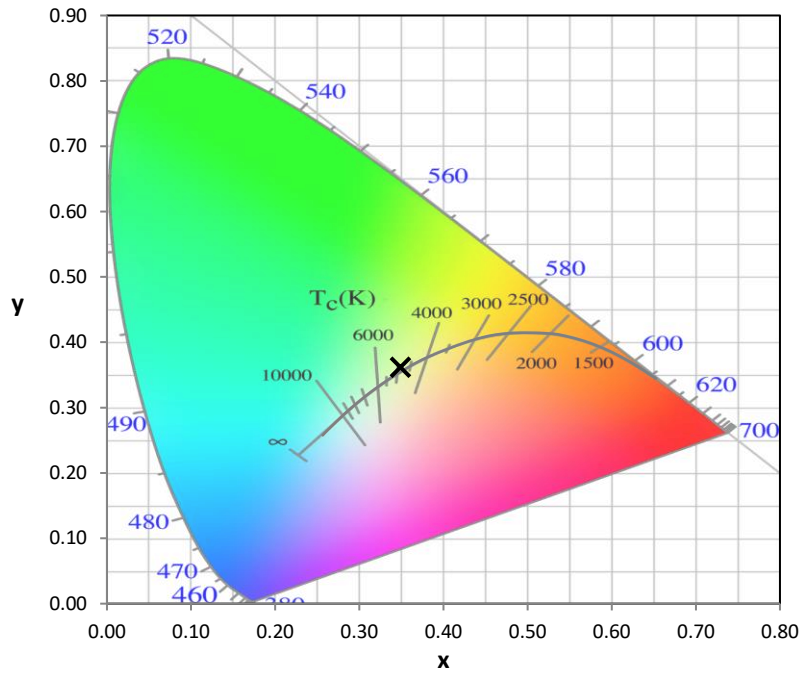
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

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



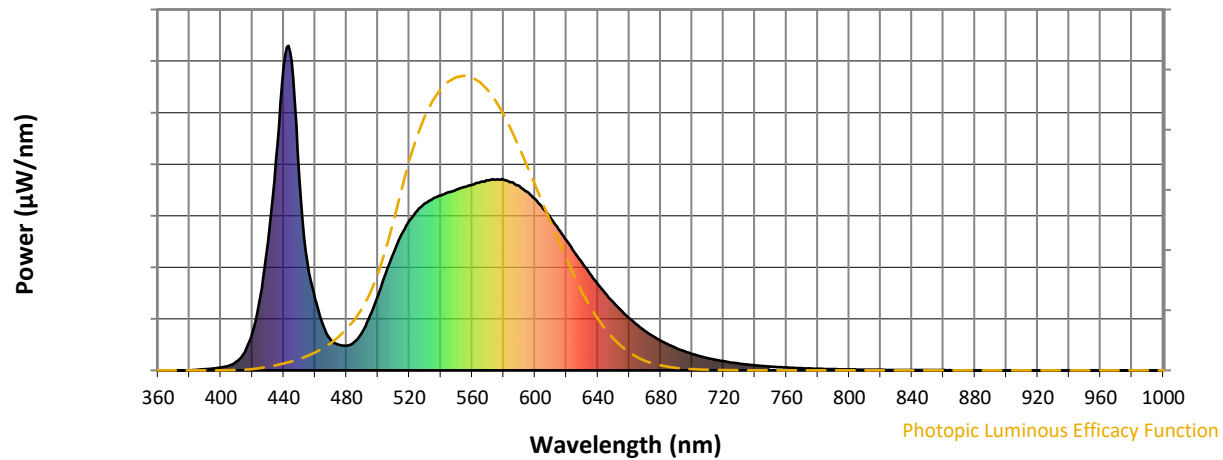
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



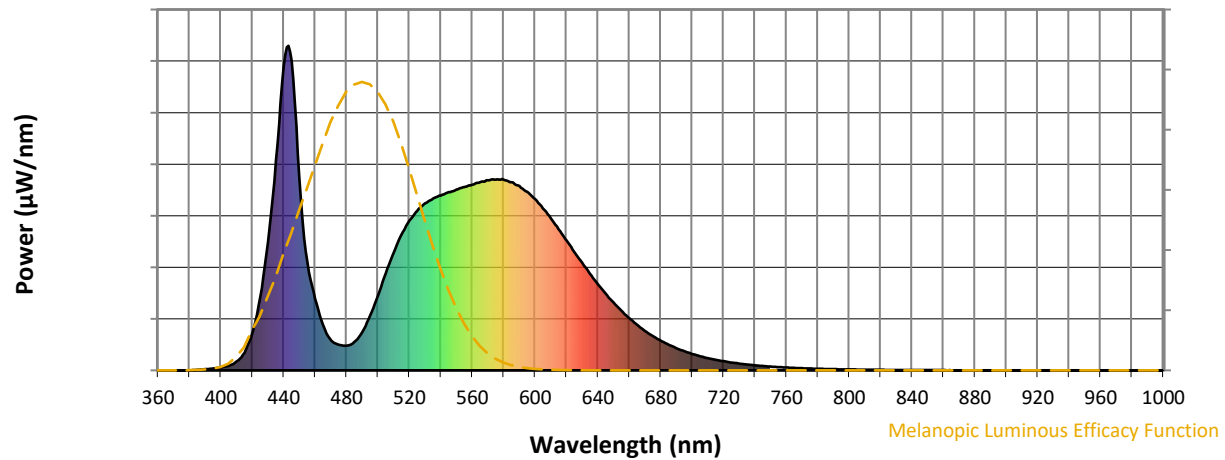
Scotopic Lumens: NR

S/P: 1.7

λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

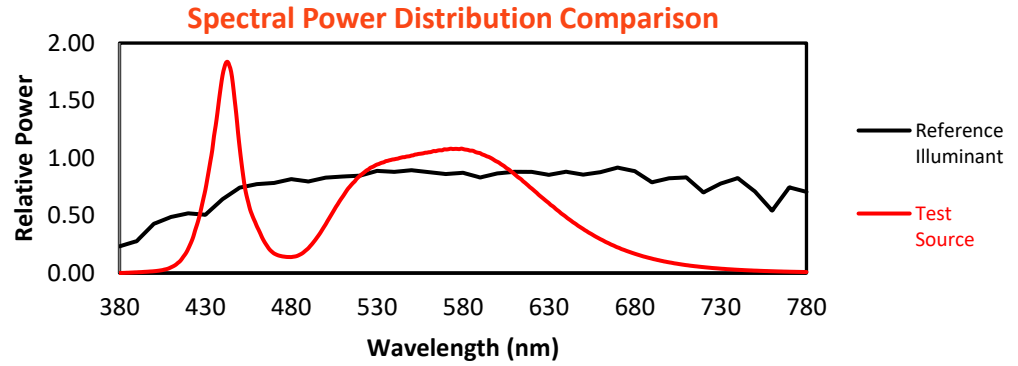
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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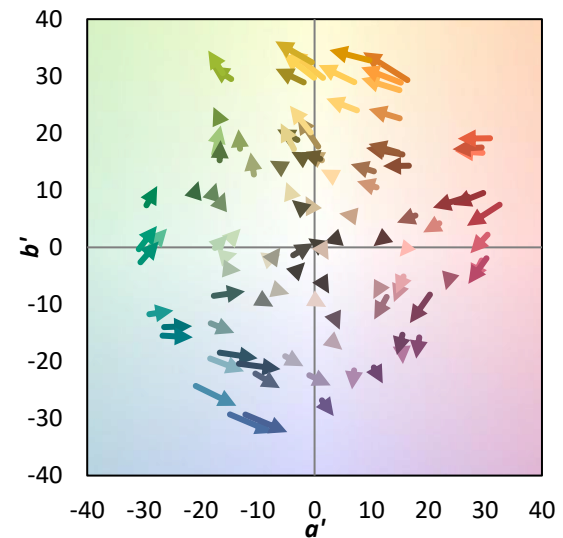
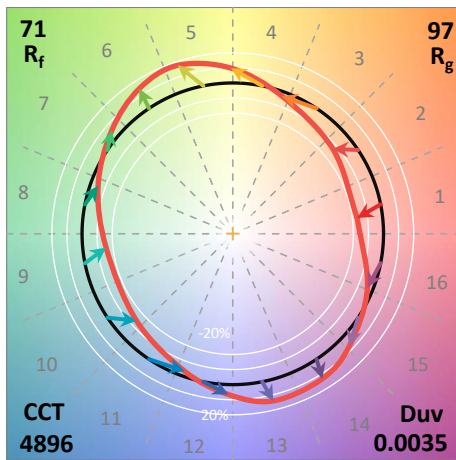
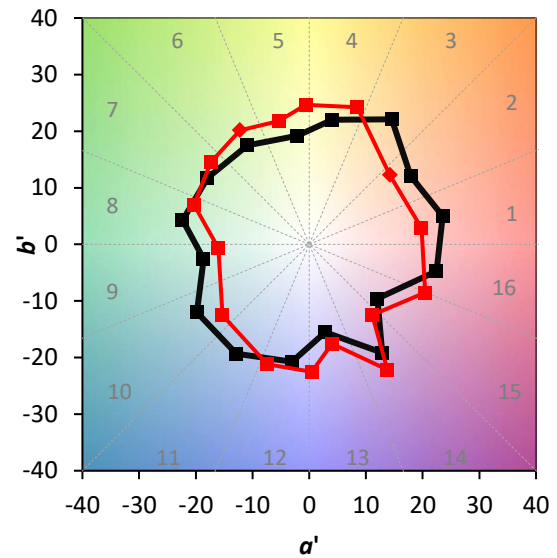
TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 $CIE R_a = 70.2$
 $R_g = -35.1$



Color Vector Graphics

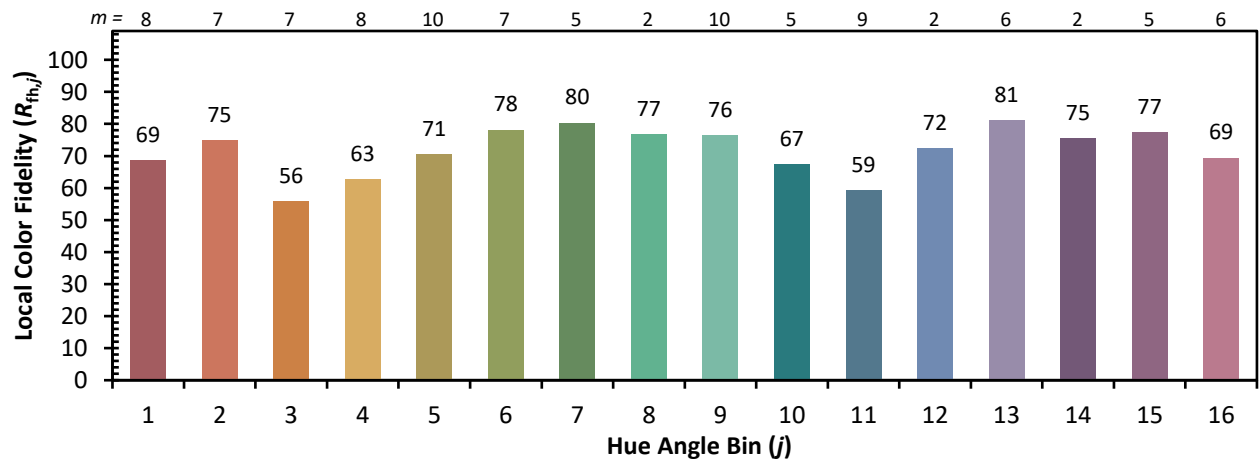
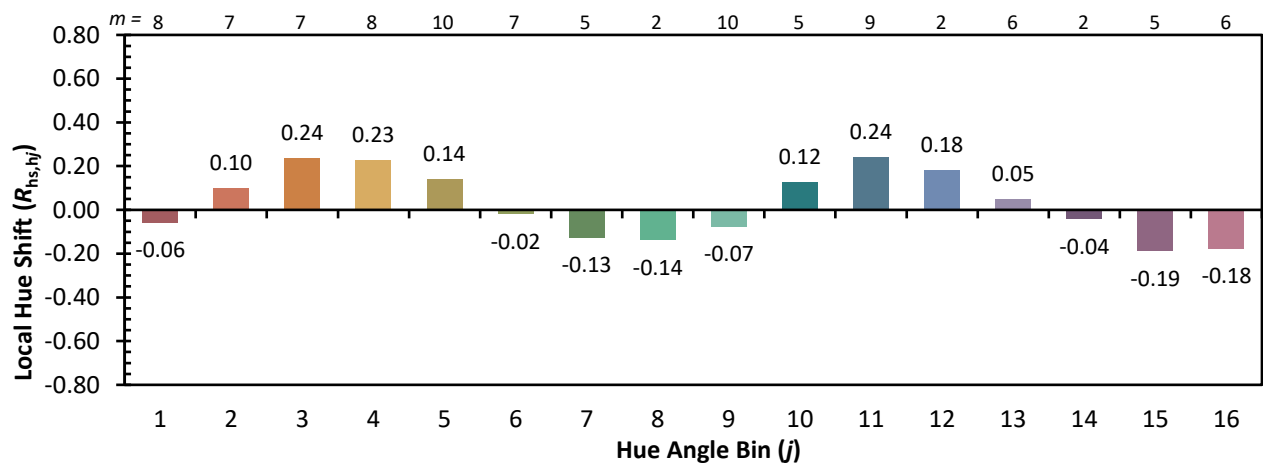
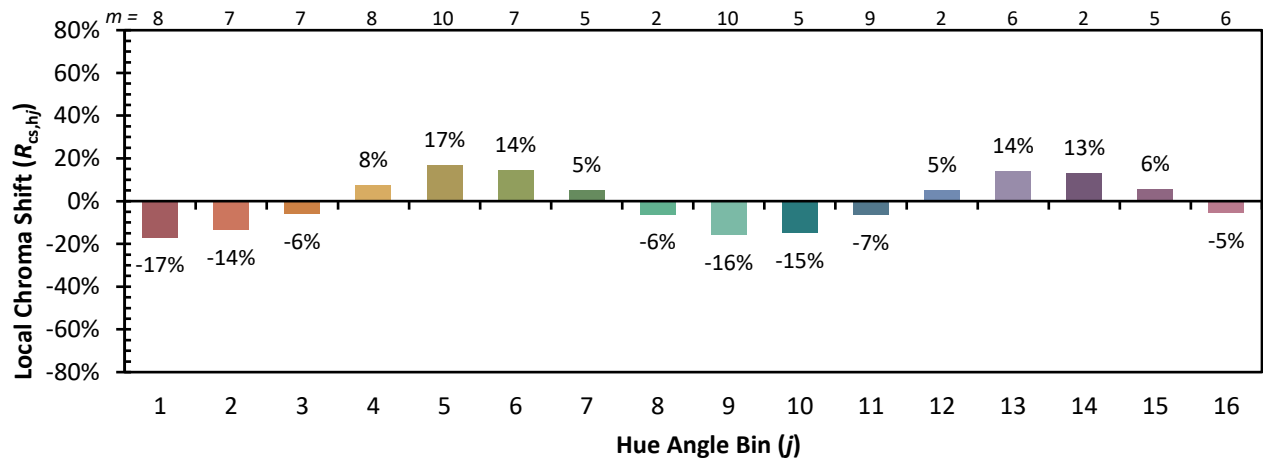


Individual Sample Fidelity Index ($R_{f,i}$)

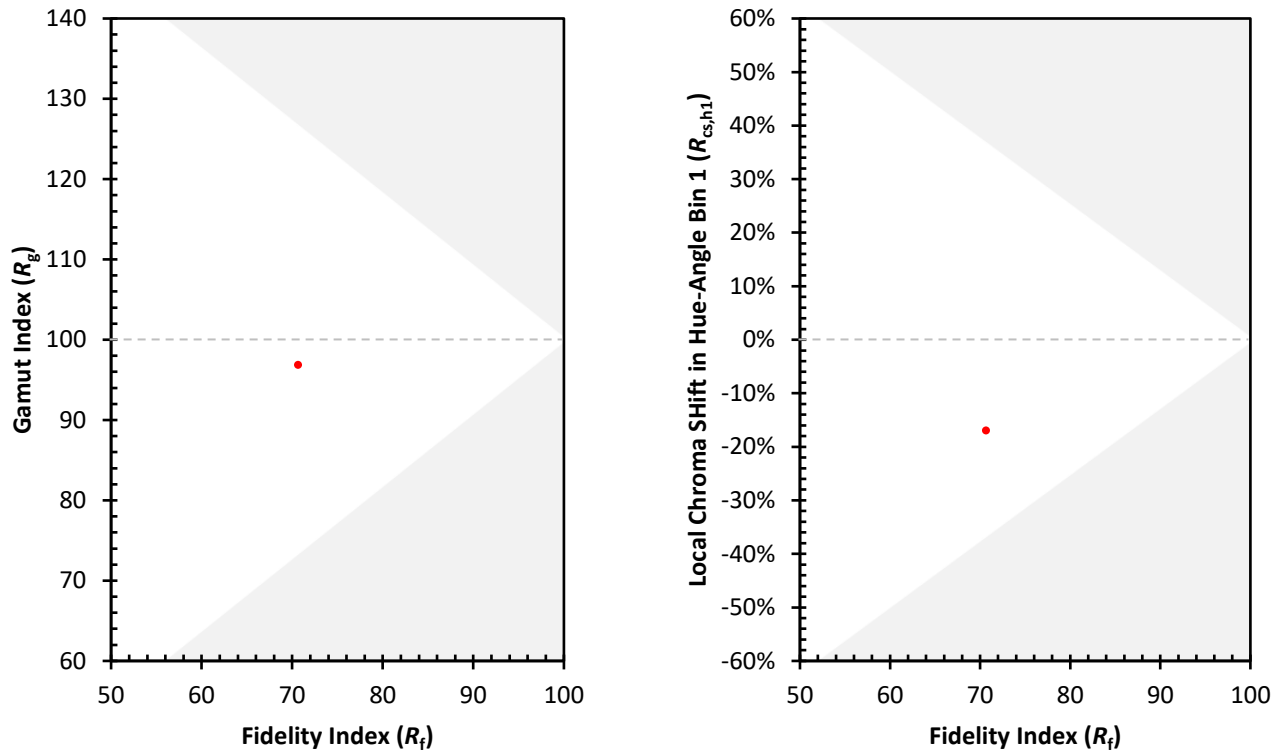
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)