

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: P1057683

Luminaire Tested: **GAP-SA2B-740-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057683
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA2B-740-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 800mA 2xLight Square PACKAGE 70CRI
4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7786.1 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 72.2
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

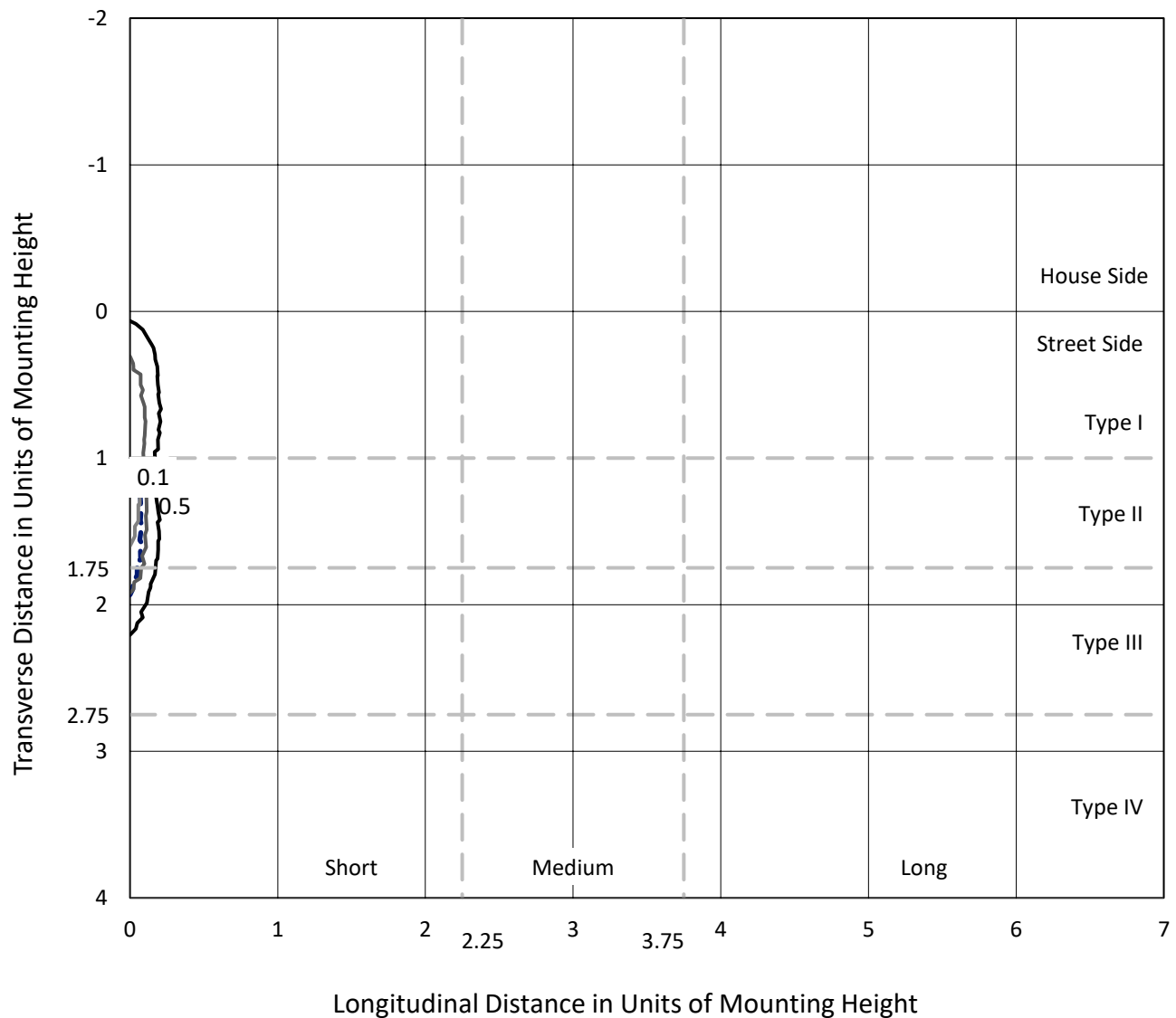


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

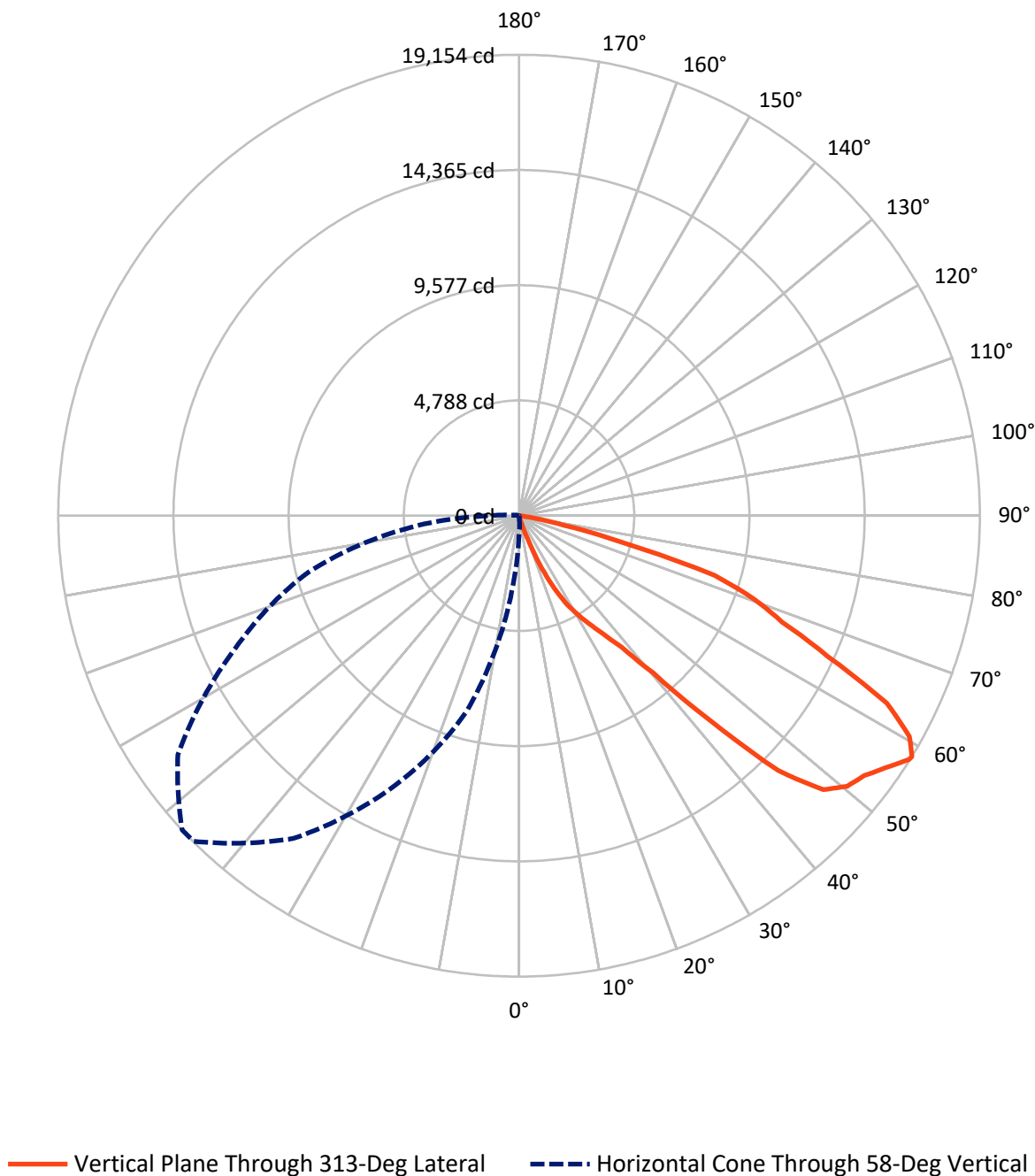


Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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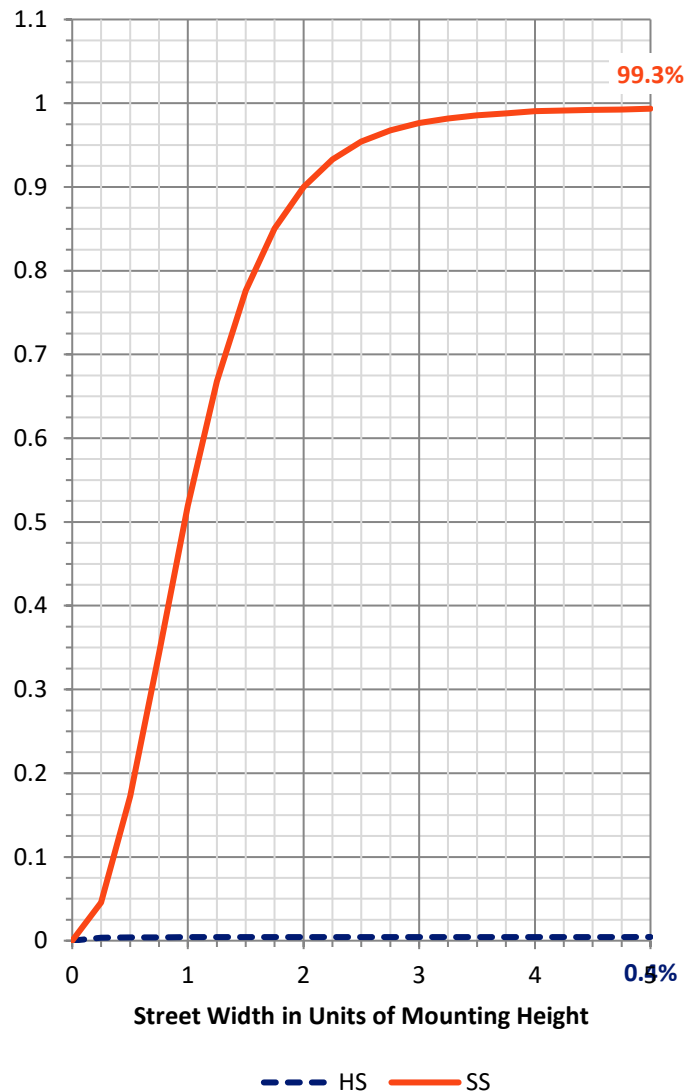
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34.8	0.0	34.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	7751.3	0.0	7751.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	7786.1	0.0	7786.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	13.5	0.2
20°-30°	196.6	2.5
30°-40°	565.3	7.3
40°-50°	1610.2	20.7
50°-60°	2532.8	32.5
60°-70°	2159.9	27.7
70°-80°	689.0	8.8
80°-90°	17.5	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°	7786.1	100.0
0°-180°	7786.1	100.0



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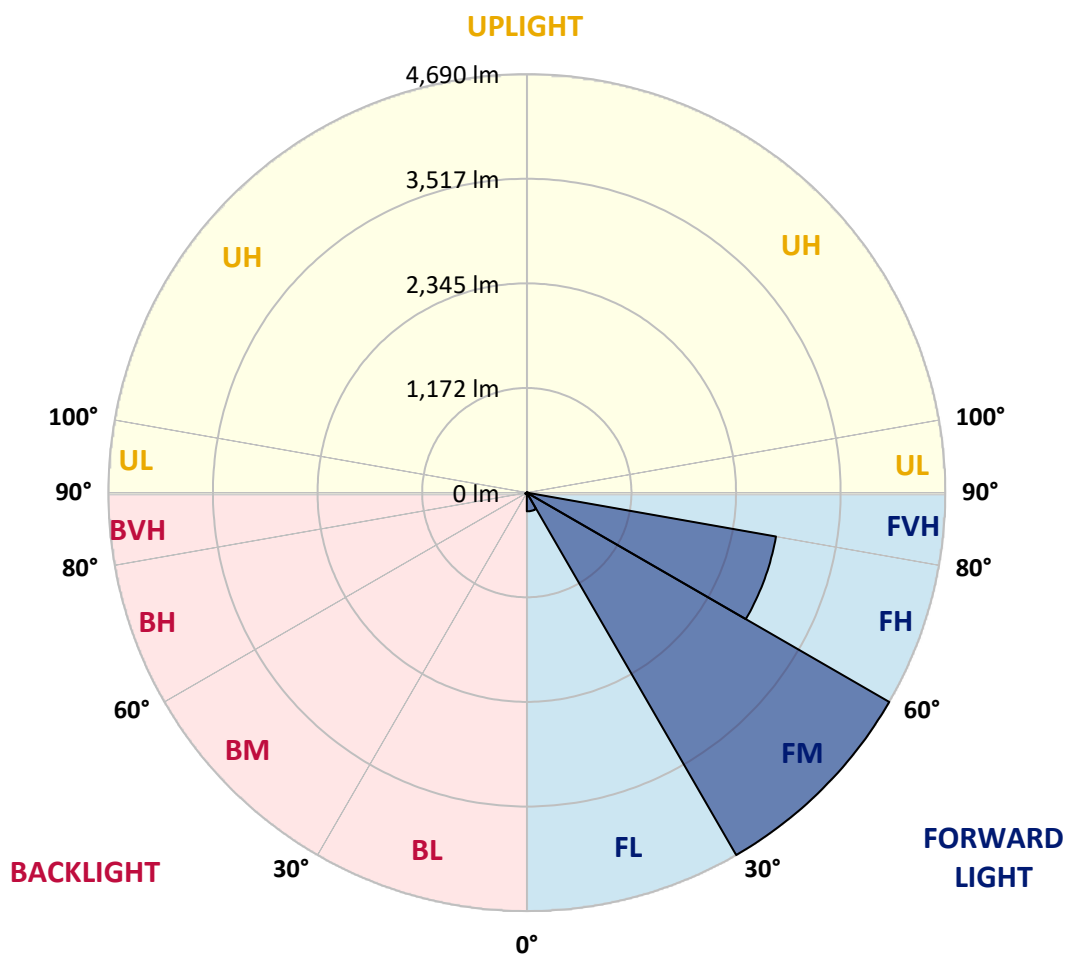
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.9	2.7			
FM	(30°-60°)	4689.7	60.2			
FH	(60°-80°)	2835.1	36.4			G2/5000
FVH	(80°-90°)	16.6	0.2			G1/100
BL	(0°-30°)	1.4	0.0	B0/110		
BM	(30°-60°)	18.6	0.2	B0/220		
BH	(60°-80°)	13.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	28.0	29.6	31.2	29.6	26.5	20.3	20.3	15.6	10.9	6.2	4.7
5°	31.2	31.2	31.2	29.6	26.5	20.3	18.7	14.0	9.3	6.2	3.1
7.5°	34.3	34.3	32.7	29.6	24.9	20.3	18.7	14.0	9.3	4.7	0.0
10°	37.4	37.4	34.3	31.2	24.9	18.7	17.1	12.5	7.8	3.1	0.0
12.5°	42.1	40.5	35.8	31.2	24.9	17.1	17.1	12.5	6.2	1.6	0.0
15°	48.3	43.6	37.4	31.2	23.4	17.1	15.6	10.9	4.7	0.0	0.0
17.5°	53.0	48.3	39.0	29.6	21.8	15.6	14.0	9.3	4.7	0.0	0.0
20°	57.7	49.9	39.0	29.6	21.8	14.0	12.5	7.8	1.6	0.0	0.0
22.5°	65.4	53.0	39.0	29.6	20.3	12.5	10.9	6.2	0.0	0.0	0.0
25°	81.0	56.1	39.0	28.0	18.7	10.9	9.3	3.1	0.0	0.0	0.0
27.5°	99.7	60.8	39.0	26.5	17.1	9.3	7.8	1.6	0.0	0.0	0.0
30°	120.0	65.4	39.0	26.5	15.6	7.8	6.2	0.0	0.0	0.0	0.0
32.5°	141.8	71.7	39.0	24.9	14.0	6.2	4.7	0.0	0.0	0.0	0.0
35°	182.3	81.0	39.0	24.9	12.5	4.7	3.1	0.0	0.0	0.0	0.0
37.5°	201.0	93.5	39.0	23.4	12.5	3.1	1.6	0.0	0.0	0.0	0.0
40°	208.8	90.4	37.4	23.4	10.9	1.6	0.0	0.0	0.0	0.0	0.0
42.5°	225.9	84.1	39.0	21.8	10.9	1.6	0.0	0.0	0.0	0.0	0.0
45°	275.8	84.1	42.1	21.8	9.3	3.1	0.0	0.0	0.0	0.0	0.0
47.5°	478.4	87.3	40.5	21.8	9.3	3.1	0.0	0.0	0.0	0.0	0.0
50°	786.9	102.8	39.0	23.4	10.9	1.6	0.0	0.0	0.0	0.0	0.0
52.5°	913.1	124.7	39.0	24.9	14.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	875.7	152.7	39.0	26.5	17.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	796.3	144.9	42.1	31.2	21.8	0.0	0.0	0.0	0.0	0.0	0.0
58°	766.7	144.9	42.1	31.2	21.8	0.0	0.0	0.0	0.0	0.0	0.0
60°	601.5	148.0	48.3	34.3	23.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	447.2	151.1	54.5	39.0	23.4	1.6	0.0	0.0	0.0	0.0	0.0
65°	331.9	157.4	57.7	45.2	21.8	3.1	0.0	0.0	0.0	0.0	0.0
67.5°	264.9	162.1	62.3	49.9	24.9	6.2	1.6	0.0	0.0	0.0	0.0
70°	227.5	155.8	67.0	51.4	23.4	9.3	4.7	0.0	0.0	0.0	0.0
72.5°	202.6	146.5	76.4	49.9	24.9	9.3	4.7	0.0	0.0	0.0	0.0
75°	182.3	134.0	87.3	48.3	24.9	9.3	6.2	0.0	0.0	0.0	0.0
77.5°	137.1	116.9	85.7	46.7	23.4	9.3	6.2	0.0	0.0	0.0	0.0
80°	68.6	77.9	74.8	42.1	18.7	7.8	6.2	1.6	0.0	0.0	0.0
82.5°	28.0	29.6	37.4	31.2	15.6	6.2	6.2	1.6	0.0	0.0	0.0
85°	3.1	6.2	10.9	12.5	10.9	6.2	6.2	1.6	0.0	0.0	0.0
87.5°	0.0	1.6	6.2	9.3	7.8	4.7	3.1	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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	1.6	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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	1.6	3.1	3.1	3.1	4.7	4.7	6.2	7.8	7.8	7.8	9.3
5°	0.0	0.0	1.6	1.6	3.1	4.7	6.2	9.3	10.9	10.9	12.5
7.5°	0.0	0.0	0.0	1.6	3.1	4.7	6.2	9.3	12.5	14.0	15.6
10°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	10.9	15.6	18.7	21.8
12.5°	0.0	0.0	0.0	0.0	0.0	1.6	6.2	12.5	18.7	23.4	26.5
15°	0.0	0.0	0.0	0.0	0.0	1.6	6.2	12.5	23.4	28.0	34.3
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.2	14.0	26.5	34.3	46.7
20°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	14.0	29.6	42.1	70.1
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	14.0	32.7	54.5	129.3
25°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	14.0	37.4	81.0	215.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	15.6	45.2	113.8	314.8
30°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	15.6	56.1	154.3	439.4
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	15.6	65.4	194.8	598.4
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	77.9	258.7	751.1
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	96.6	285.2	880.4
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	91.9	310.1	1028.4
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	84.1	345.9	1260.6
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	84.1	458.1	1774.8
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	102.8	713.7	2712.9
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	132.4	1095.4	3862.9
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	160.5	1347.9	4529.8
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	193.2	1349.4	4508.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	215.0	1207.6	4068.6
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	213.5	1168.7	3947.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	15.6	187.0	1014.4	3445.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.2	24.9	163.6	727.7	2856.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	12.5	28.0	149.6	528.2	2144.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	15.6	32.7	143.4	374.0	1491.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	37.4	132.4	268.0	981.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	46.7	124.7	210.4	592.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	59.2	109.1	171.4	317.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	63.9	90.4	124.7	193.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	17.1	57.7	65.4	54.5	65.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.3	34.3	14.0	14.0	21.8
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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
2.5°	10.9	10.9	10.9	10.9	12.5	12.5	17.1	21.8	26.5	28.0
5°	14.0	15.6	17.1	17.1	17.1	18.7	21.8	24.9	29.6	31.2
7.5°	20.3	21.8	24.9	24.9	24.9	26.5	28.0	31.2	34.3	34.3
10°	26.5	31.2	32.7	34.3	35.8	35.8	35.8	37.4	39.0	37.4
12.5°	35.8	42.1	49.9	51.4	51.4	51.4	49.9	46.7	43.6	42.1
15°	49.9	68.6	93.5	102.8	98.2	87.3	76.4	59.2	51.4	48.3
17.5°	91.9	187.0	339.7	375.5	367.7	316.3	185.4	90.4	60.8	53.0
20°	247.8	604.6	997.3	1092.3	1142.2	945.8	546.9	210.4	74.8	57.7
22.5°	534.5	1255.9	1946.2	2192.4	2208.0	1776.4	1064.3	427.0	107.5	65.4
25°	860.1	2008.6	2949.7	3188.1	3192.8	2737.8	1701.6	691.9	163.6	81.0
27.5°	1318.3	2815.7	3869.1	4067.0	4063.9	3602.6	2458.9	1056.5	229.1	99.7
30°	1787.3	3445.3	4475.3	4721.5	4744.8	4193.2	3091.5	1488.1	299.2	120.0
32.5°	2251.6	3911.2	5028.4	5355.7	5335.4	4715.2	3532.5	1841.8	419.2	141.8
35°	2617.8	4308.5	5640.8	6042.8	6058.4	5288.6	3923.6	2184.6	522.0	182.3
37.5°	2931.0	4821.2	6455.8	6920.1	6940.4	6002.3	4333.5	2521.2	610.8	201.0
40°	3317.5	5662.6	7805.2	8593.7	8596.8	7333.1	5070.5	2898.3	730.8	208.8
42.5°	4185.4	7465.5	10441.7	11574.6	11672.7	10094.2	6745.6	3716.4	919.4	225.9
45°	5921.3	9841.8	13804.4	15108.6	15233.3	13530.2	9617.4	5605.0	1333.8	275.8
47.5°	7986.0	11908.0	15758.4	17014.4	17097.0	15155.4	11540.3	7789.6	2270.3	478.4
50°	9255.9	12673.1	16476.8	17675.1	17689.1	15689.9	12143.3	8924.0	3234.9	786.9
52.5°	9650.1	12771.3	16504.8	17954.0	17994.5	15627.5	12225.9	9153.1	3636.9	913.1
55°	9489.7	12713.6	16800.9	18486.9	18530.5	15881.5	12169.8	8902.2	3448.4	875.7
57.5°	9123.5	12938.0	17287.1	19119.5	19119.5	16350.6	12377.1	8481.5	2987.1	796.3
58°	9068.9	12994.1	17313.5	19153.8	19139.8	16380.2	12462.8	8420.7	2885.9	766.7
60°	8994.1	13167.1	17117.2	18647.4	18606.9	16171.4	12618.6	8366.2	2395.0	601.5
62.5°	8885.1	12777.5	15686.8	17157.7	17053.3	14708.2	12171.4	8046.7	1787.3	447.2
65°	8325.6	11339.3	13076.7	14095.8	14063.1	12099.7	10476.0	7208.4	1287.1	331.9
67.5°	7018.3	8877.3	10563.3	11791.2	11799.0	9877.7	8193.2	5760.8	875.7	264.9
70°	4936.5	6547.7	8980.1	10346.7	10409.0	8285.1	6069.3	3839.5	578.1	227.5
72.5°	2948.2	4945.8	7467.1	8504.8	8472.1	6874.9	4503.3	2289.0	352.2	202.6
75°	1428.9	2956.0	3774.0	4377.1	4352.2	3439.0	2399.7	1121.9	257.1	182.3
77.5°	388.0	908.5	1461.6	1901.0	1952.5	1377.5	786.9	300.7	160.5	137.1
80°	130.9	280.5	476.8	648.2	665.4	595.2	296.1	106.0	70.1	68.6
82.5°	49.9	68.6	87.3	77.9	77.9	81.0	63.9	45.2	32.7	28.0
85°	0.0	0.0	1.6	3.1	3.1	4.7	4.7	4.7	3.1	3.1
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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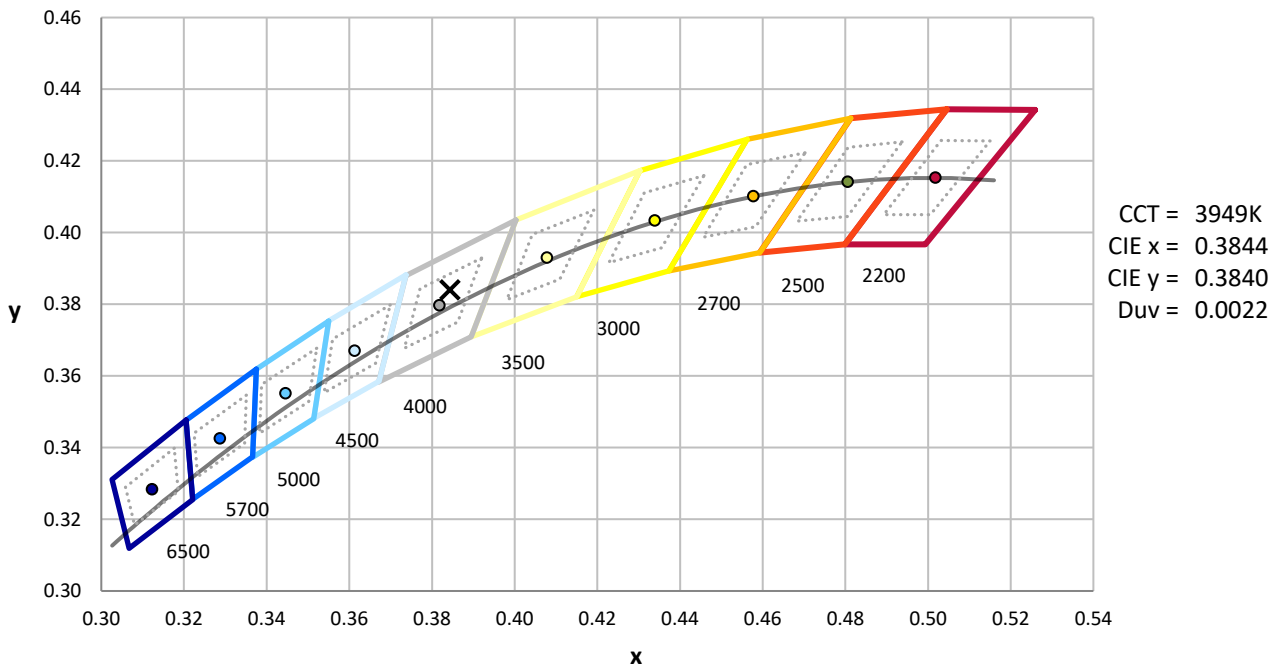
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



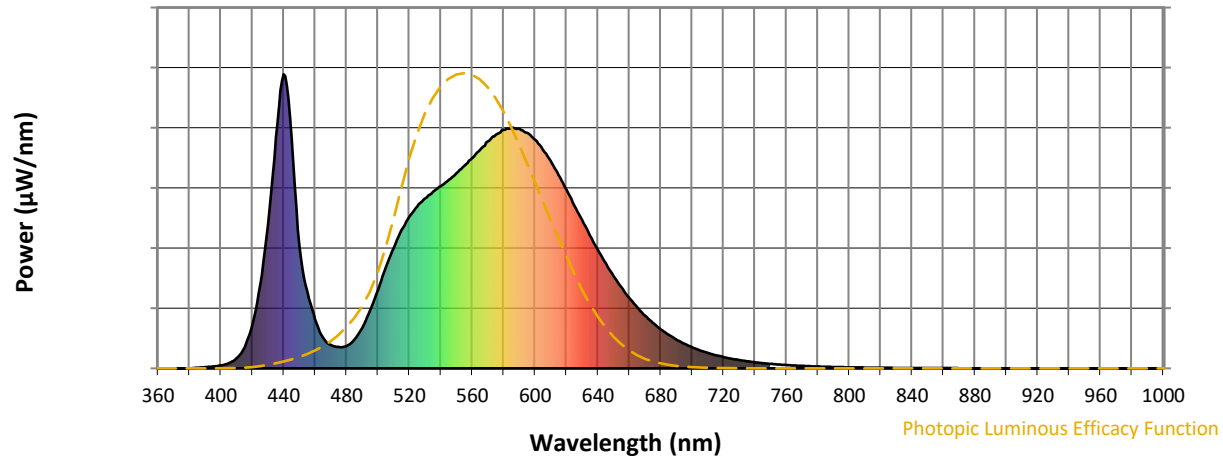
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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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			

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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			

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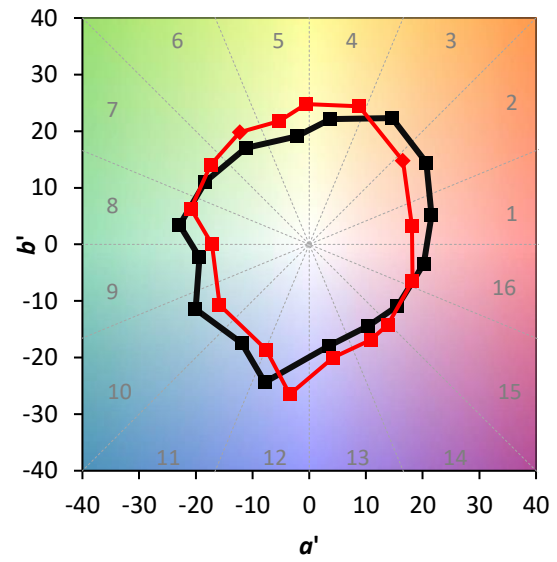
TM-30-18

Summary

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



Color Vector Graphics

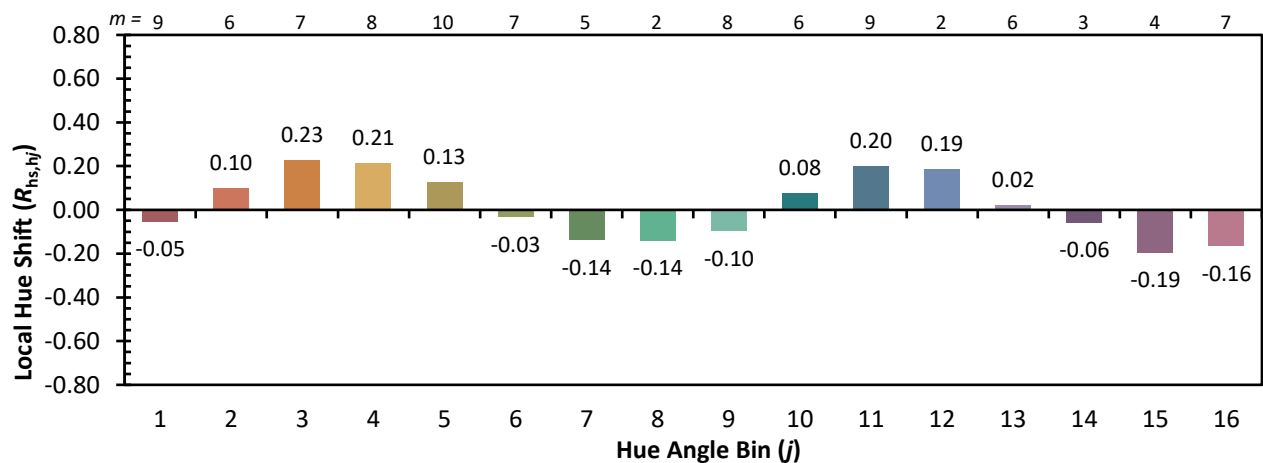


Individual Sample Fidelity Index ($R_{f,i}$)

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)