

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: P991237

Luminaire Tested: **GPC-SA2C-727-U-RBC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991237
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA2C-727-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 1050mA 2xLight Square PACKAGE 70CRI
2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (28) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8243 lumens
Efficiency: N/A
Efficacy: 86.9 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): 94.9
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



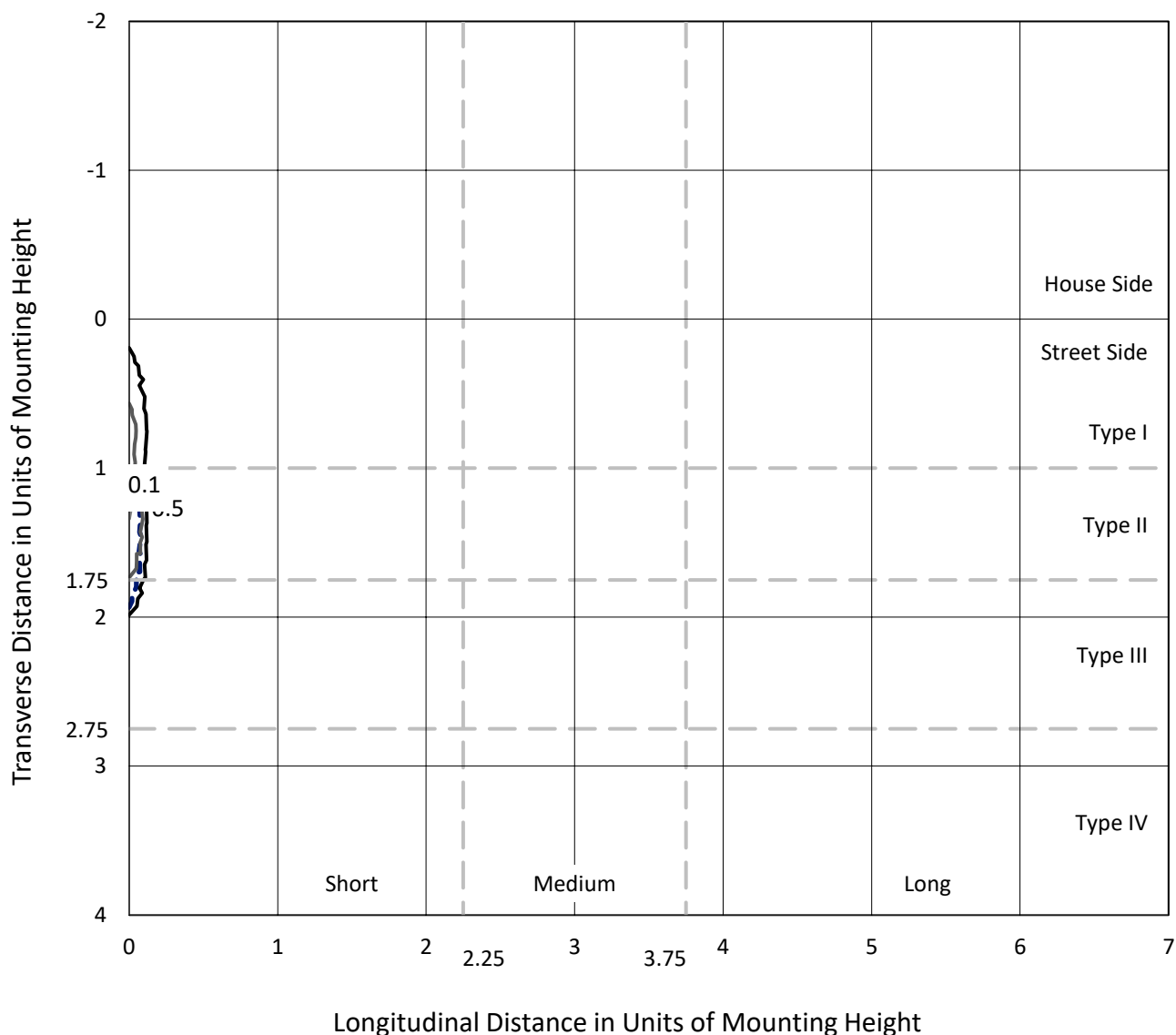
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

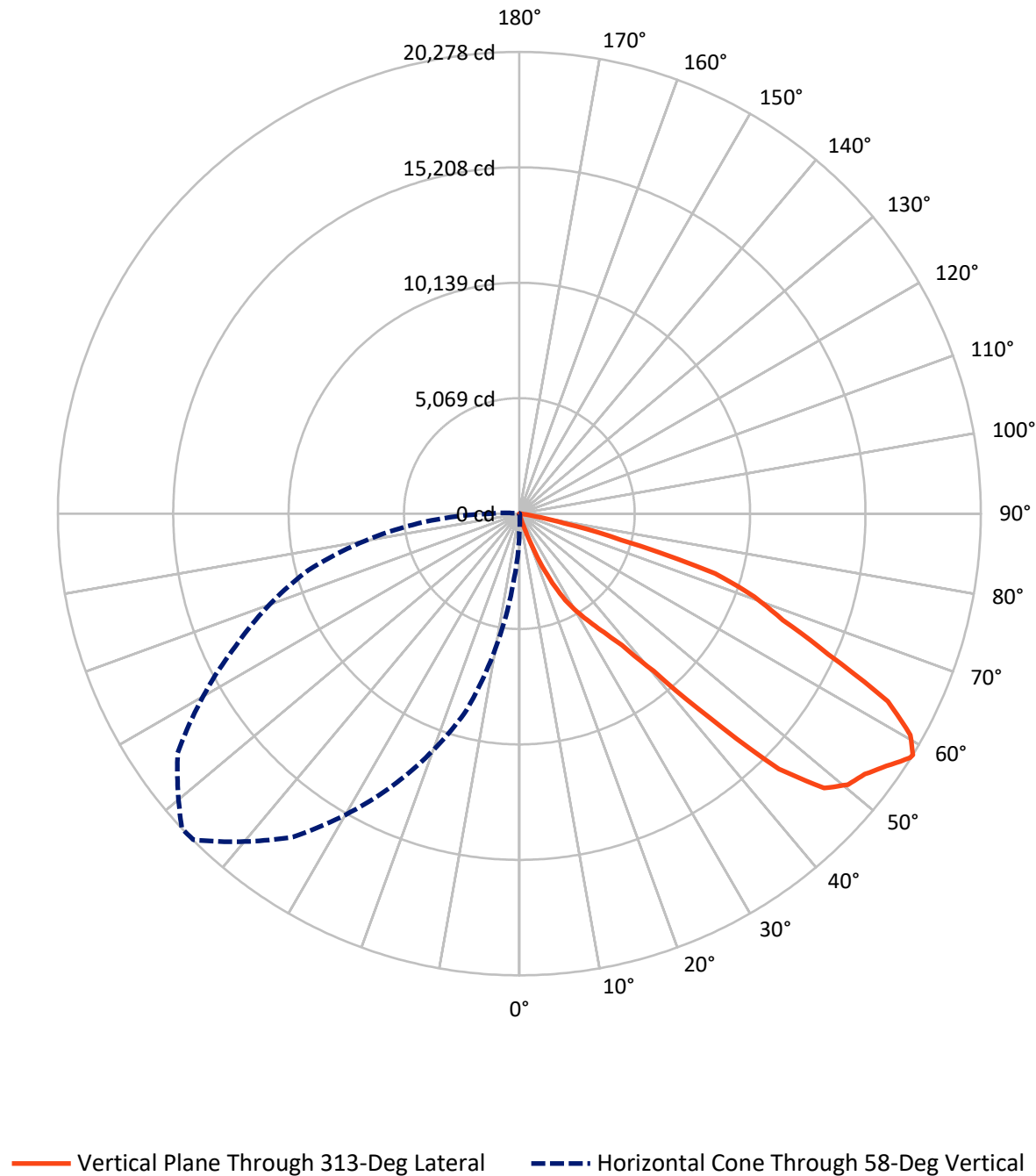


Based on 20 foot mounting height. Maximum calculated value = 0.6 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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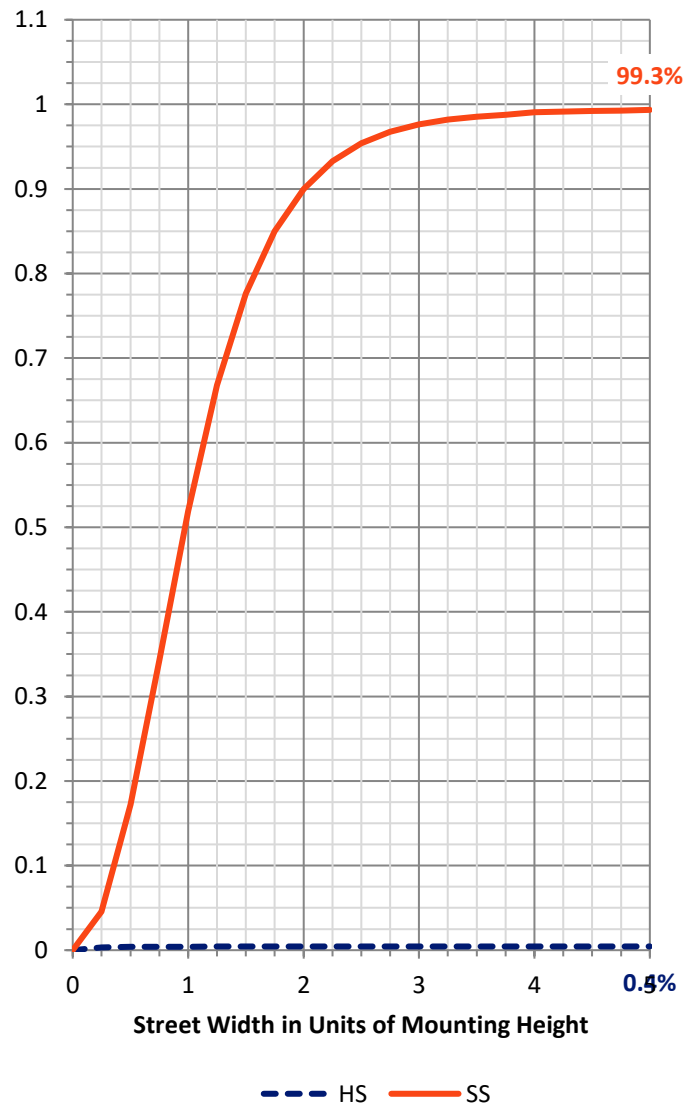
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.8	0.0	36.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	8206.1	0.0	8206.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	8243.0	0.0	8243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	14.3	0.2
20°-30°	208.2	2.5
30°-40°	598.4	7.3
40°-50°	1704.7	20.7
50°-60°	2681.5	32.5
60°-70°	2286.7	27.7
70°-80°	729.4	8.8
80°-90°	18.6	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°	8243.0	100.0
0°-180°	8243.0	100.0

Coefficient of Utilization



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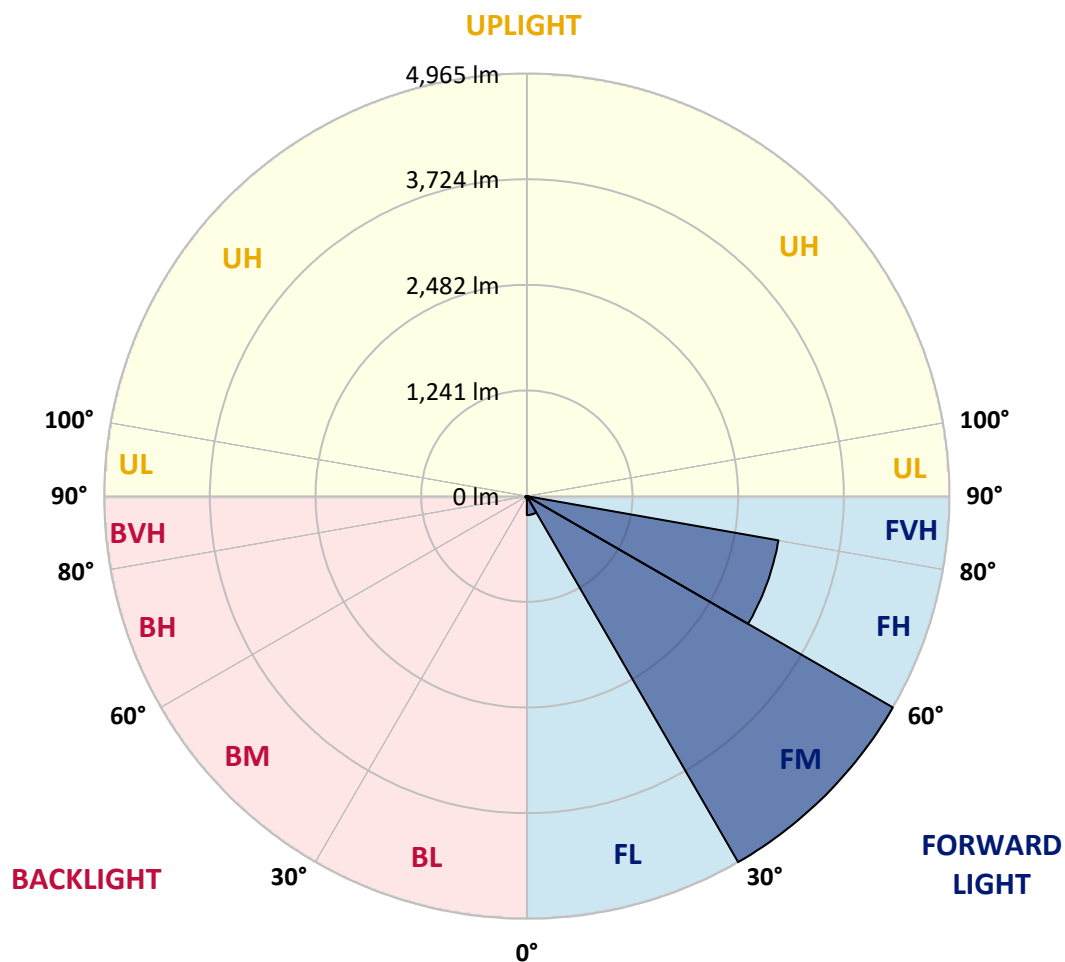
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.2	2.7			
FM	(30°-60°)	4964.9	60.2			
FH	(60°-80°)	3001.5	36.4			G2/5000
FVH	(80°-90°)	17.6	0.2			G1/100
BL	(0°-30°)	1.5	0.0	B0/110		
BM	(30°-60°)	19.7	0.2	B0/220		
BH	(60°-80°)	14.6	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°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	29.7	31.3	33.0	31.3	28.0	21.4	21.4	16.5	11.5	6.6	4.9
5°	33.0	33.0	33.0	31.3	28.0	21.4	19.8	14.8	9.9	6.6	3.3
7.5°	36.3	36.3	34.6	31.3	26.4	21.4	19.8	14.8	9.9	4.9	0.0
10°	39.6	39.6	36.3	33.0	26.4	19.8	18.1	13.2	8.2	3.3	0.0
12.5°	44.5	42.9	37.9	33.0	26.4	18.1	18.1	13.2	6.6	1.6	0.0
15°	51.1	46.2	39.6	33.0	24.7	18.1	16.5	11.5	4.9	0.0	0.0
17.5°	56.1	51.1	41.2	31.3	23.1	16.5	14.8	9.9	4.9	0.0	0.0
20°	61.0	52.8	41.2	31.3	23.1	14.8	13.2	8.2	1.6	0.0	0.0
22.5°	69.3	56.1	41.2	31.3	21.4	13.2	11.5	6.6	0.0	0.0	0.0
25°	85.8	59.4	41.2	29.7	19.8	11.5	9.9	3.3	0.0	0.0	0.0
27.5°	105.6	64.3	41.2	28.0	18.1	9.9	8.2	1.6	0.0	0.0	0.0
30°	127.0	69.3	41.2	28.0	16.5	8.2	6.6	0.0	0.0	0.0	0.0
32.5°	150.1	75.9	41.2	26.4	14.8	6.6	4.9	0.0	0.0	0.0	0.0
35°	193.0	85.8	41.2	26.4	13.2	4.9	3.3	0.0	0.0	0.0	0.0
37.5°	212.8	99.0	41.2	24.7	13.2	3.3	1.6	0.0	0.0	0.0	0.0
40°	221.1	95.7	39.6	24.7	11.5	1.6	0.0	0.0	0.0	0.0	0.0
42.5°	239.2	89.1	41.2	23.1	11.5	1.6	0.0	0.0	0.0	0.0	0.0
45°	292.0	89.1	44.5	23.1	9.9	3.3	0.0	0.0	0.0	0.0	0.0
47.5°	506.5	92.4	42.9	23.1	9.9	3.3	0.0	0.0	0.0	0.0	0.0
50°	833.1	108.9	41.2	24.7	11.5	1.6	0.0	0.0	0.0	0.0	0.0
52.5°	966.7	132.0	41.2	26.4	14.8	0.0	0.0	0.0	0.0	0.0	0.0
55°	927.1	161.7	41.2	28.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	843.0	153.4	44.5	33.0	23.1	0.0	0.0	0.0	0.0	0.0	0.0
58°	811.6	153.4	44.5	33.0	23.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	636.8	156.7	51.1	36.3	24.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	473.5	160.0	57.7	41.2	24.7	1.6	0.0	0.0	0.0	0.0	0.0
65°	351.4	166.6	61.0	47.8	23.1	3.3	0.0	0.0	0.0	0.0	0.0
67.5°	280.4	171.6	66.0	52.8	26.4	6.6	1.6	0.0	0.0	0.0	0.0
70°	240.9	165.0	70.9	54.4	24.7	9.9	4.9	0.0	0.0	0.0	0.0
72.5°	214.5	155.1	80.8	52.8	26.4	9.9	4.9	0.0	0.0	0.0	0.0
75°	193.0	141.9	92.4	51.1	26.4	9.9	6.6	0.0	0.0	0.0	0.0
77.5°	145.2	123.7	90.7	49.5	24.7	9.9	6.6	0.0	0.0	0.0	0.0
80°	72.6	82.5	79.2	44.5	19.8	8.2	6.6	1.6	0.0	0.0	0.0
82.5°	29.7	31.3	39.6	33.0	16.5	6.6	6.6	1.6	0.0	0.0	0.0
85°	3.3	6.6	11.5	13.2	11.5	6.6	6.6	1.6	0.0	0.0	0.0
87.5°	0.0	1.6	6.6	9.9	8.2	4.9	3.3	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°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	3.3	3.3	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°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	1.6	3.3	3.3	3.3	4.9	4.9	6.6	8.2	8.2	8.2	9.9
5°	0.0	0.0	1.6	1.6	3.3	4.9	6.6	9.9	11.5	11.5	13.2
7.5°	0.0	0.0	0.0	1.6	3.3	4.9	6.6	9.9	13.2	14.8	16.5
10°	0.0	0.0	0.0	0.0	1.6	3.3	6.6	11.5	16.5	19.8	23.1
12.5°	0.0	0.0	0.0	0.0	0.0	1.6	6.6	13.2	19.8	24.7	28.0
15°	0.0	0.0	0.0	0.0	0.0	1.6	6.6	13.2	24.7	29.7	36.3
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	14.8	28.0	36.3	49.5
20°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	14.8	31.3	44.5	74.2
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	14.8	34.6	57.7	136.9
25°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	14.8	39.6	85.8	227.7
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	16.5	47.8	120.4	333.2
30°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	16.5	59.4	163.3	465.2
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	16.5	69.3	206.2	633.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	82.5	273.8	795.1
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	102.3	301.9	932.1
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	97.3	328.3	1088.8
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	89.1	366.2	1334.6
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	89.1	485.0	1879.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	108.9	755.6	2872.1
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	140.2	1159.7	4089.6
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	169.9	1427.0	4795.6
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	204.6	1428.6	4772.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	227.7	1278.5	4307.3
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	226.0	1237.3	4178.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	16.5	198.0	1073.9	3647.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	26.4	173.2	770.4	3023.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	13.2	29.7	158.4	559.2	2270.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	16.5	34.6	151.8	395.9	1578.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	19.8	39.6	140.2	283.7	1039.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	19.8	49.5	132.0	222.7	626.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	19.8	62.7	115.5	181.5	336.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	19.8	67.6	95.7	132.0	204.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	18.1	61.0	69.3	57.7	69.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.9	36.3	14.8	14.8	23.1
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°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	11.5	11.5	11.5	11.5	13.2	13.2	18.1	23.1	28.0	29.7
5°	14.8	16.5	18.1	18.1	18.1	19.8	23.1	26.4	31.3	33.0
7.5°	21.4	23.1	26.4	26.4	26.4	28.0	29.7	33.0	36.3	36.3
10°	28.0	33.0	34.6	36.3	37.9	37.9	37.9	39.6	41.2	39.6
12.5°	37.9	44.5	52.8	54.4	54.4	54.4	52.8	49.5	46.2	44.5
15°	52.8	72.6	99.0	108.9	103.9	92.4	80.8	62.7	54.4	51.1
17.5°	97.3	198.0	359.6	397.6	389.3	334.9	196.3	95.7	64.3	56.1
20°	262.3	640.1	1055.8	1156.4	1209.2	1001.4	579.0	222.7	79.2	61.0
22.5°	565.8	1329.6	2060.4	2321.1	2337.6	1880.6	1126.7	452.0	113.8	69.3
25°	910.6	2126.4	3122.8	3375.2	3380.2	2898.5	1801.4	732.5	173.2	85.8
27.5°	1395.6	2981.0	4096.2	4305.7	4302.4	3814.1	2603.2	1118.5	242.5	105.6
30°	1892.2	3647.4	4737.9	4998.5	5023.3	4439.3	3273.0	1575.4	316.7	127.0
32.5°	2383.8	4140.7	5323.5	5669.9	5648.5	4991.9	3739.8	1949.9	443.8	150.1
35°	2771.5	4561.4	5971.8	6397.5	6414.0	5599.0	4153.9	2312.8	552.6	193.0
37.5°	3103.0	5104.1	6834.6	7326.2	7347.7	6354.6	4587.8	2669.2	646.7	212.8
40°	3512.2	5994.9	8263.2	9098.0	9101.3	7763.4	5368.1	3068.4	773.7	221.1
42.5°	4431.0	7903.6	11054.5	12253.8	12357.7	10686.6	7141.5	3934.5	973.3	239.2
45°	6268.8	10419.4	14614.5	15995.3	16127.3	14324.2	10181.8	5933.9	1412.1	292.0
47.5°	8454.6	12606.8	16683.2	18012.8	18100.3	16044.8	12217.5	8246.7	2403.6	506.5
50°	9799.1	13416.8	17443.7	18712.3	18727.2	16610.6	12855.9	9447.7	3424.7	833.1
52.5°	10216.5	13520.8	17473.4	19007.6	19050.5	16544.6	12943.4	9690.2	3850.4	966.7
55°	10046.5	13459.7	17786.8	19571.8	19618.0	16813.5	12884.0	9424.6	3650.7	927.1
57.5°	9658.9	13697.3	18301.5	20241.6	20241.6	17310.1	13103.4	8979.2	3162.4	843.0
58°	9601.1	13756.7	18329.6	20277.9	20263.0	17341.4	13194.1	8914.9	3055.2	811.6
60°	9521.9	13939.8	18121.7	19741.7	19698.8	17120.4	13359.1	8857.1	2535.6	636.8
62.5°	9406.5	13527.4	16607.3	18164.6	18054.1	15571.3	12885.6	8518.9	1892.2	473.5
65°	8814.2	12004.7	13844.1	14923.0	14888.4	12809.8	11090.8	7631.4	1362.6	351.4
67.5°	7430.2	9398.2	11183.2	12483.1	12491.4	10457.3	8674.0	6098.9	927.1	280.4
70°	5226.2	6932.0	9507.1	10953.9	11019.9	8771.3	6425.5	4064.8	612.0	240.9
72.5°	3121.2	5236.1	7905.3	9003.9	8969.3	7278.4	4767.6	2423.4	372.8	214.5
75°	1512.8	3129.4	3995.5	4633.9	4607.6	3640.8	2540.5	1187.8	272.2	193.0
77.5°	410.8	961.8	1547.4	2012.6	2067.0	1458.3	833.1	318.4	169.9	145.2
80°	138.6	296.9	504.8	686.3	704.4	630.2	313.4	112.2	74.2	72.6
82.5°	52.8	72.6	92.4	82.5	82.5	85.8	67.6	47.8	34.6	29.7
85°	0.0	0.0	1.6	3.3	3.3	4.9	4.9	4.9	3.3	3.3
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

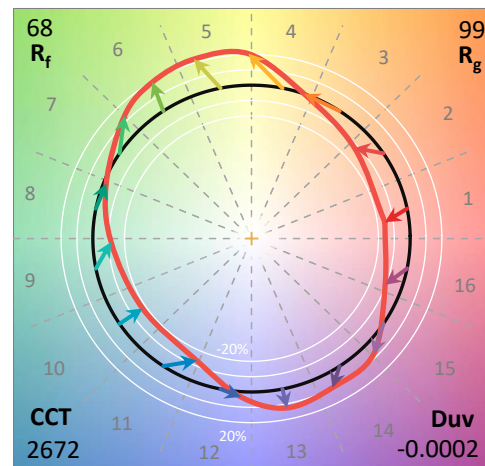
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



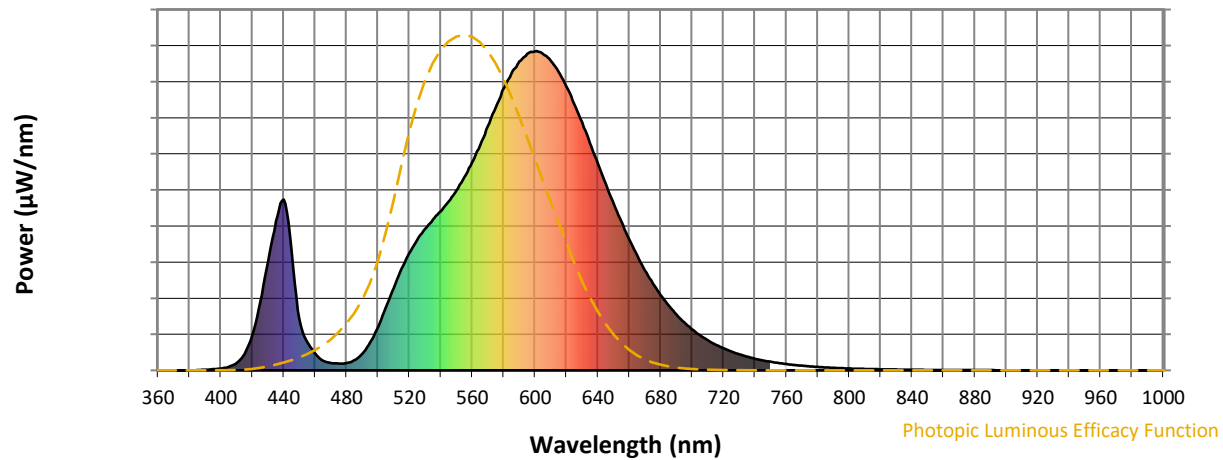
Test Conditions

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

REPORT NUMBER: SP1-2407-184-3

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

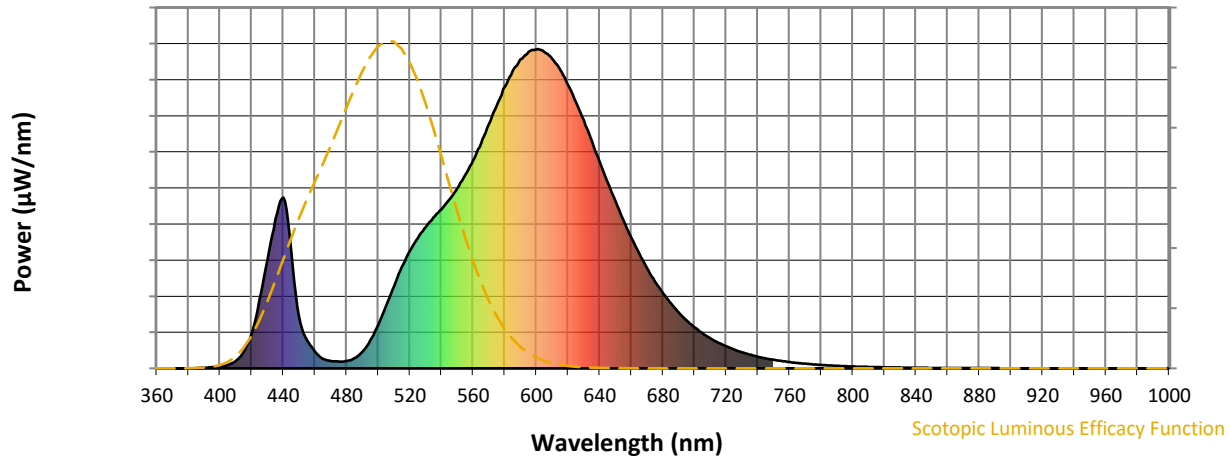
REPORT NUMBER: SP1-2407-184-3

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



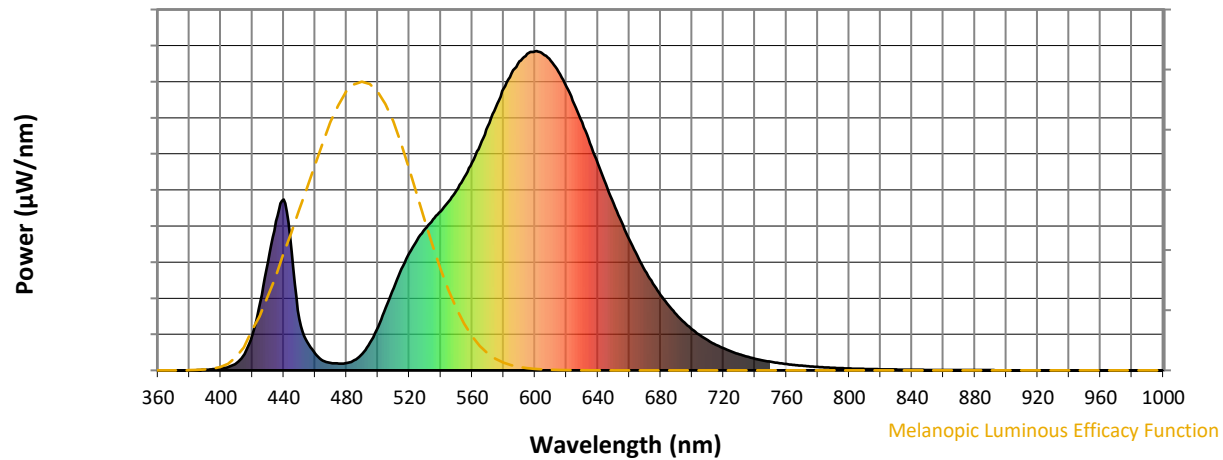
Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

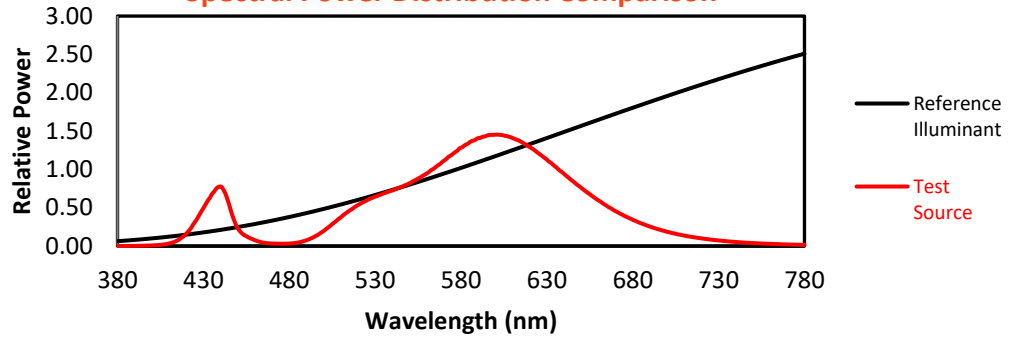
REPORT NUMBER: SP1-2407-184-3

TM-30-18

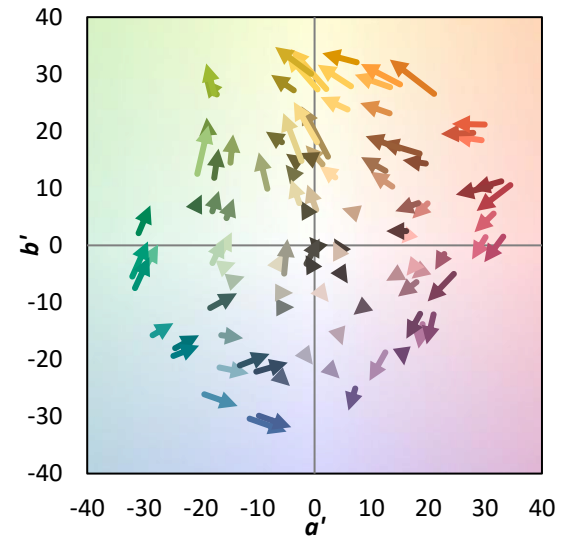
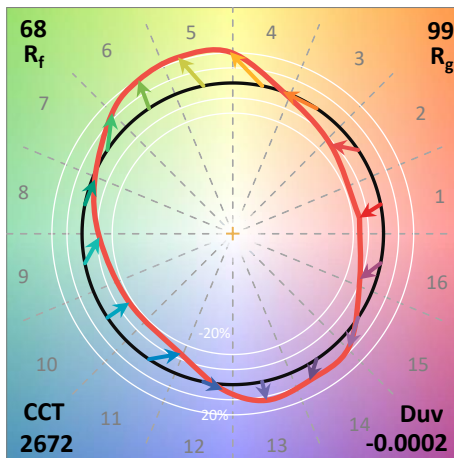
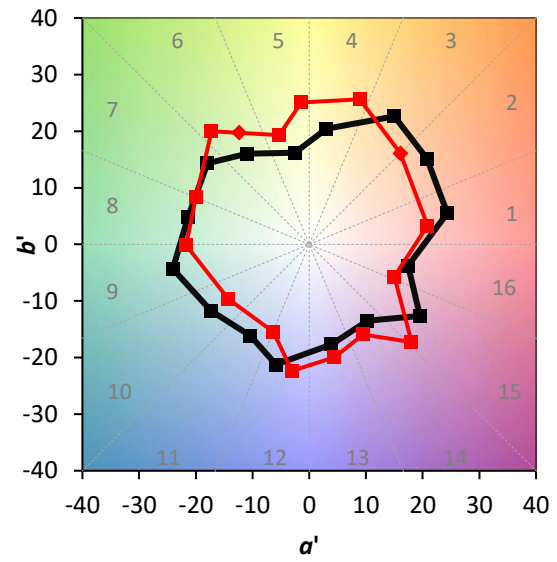
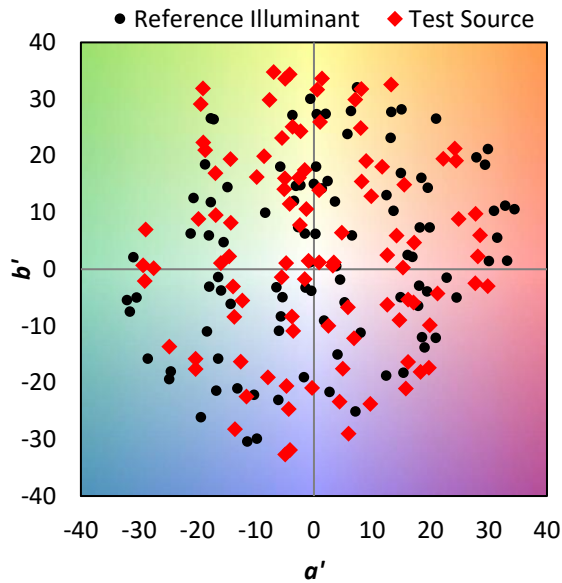
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE\ R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

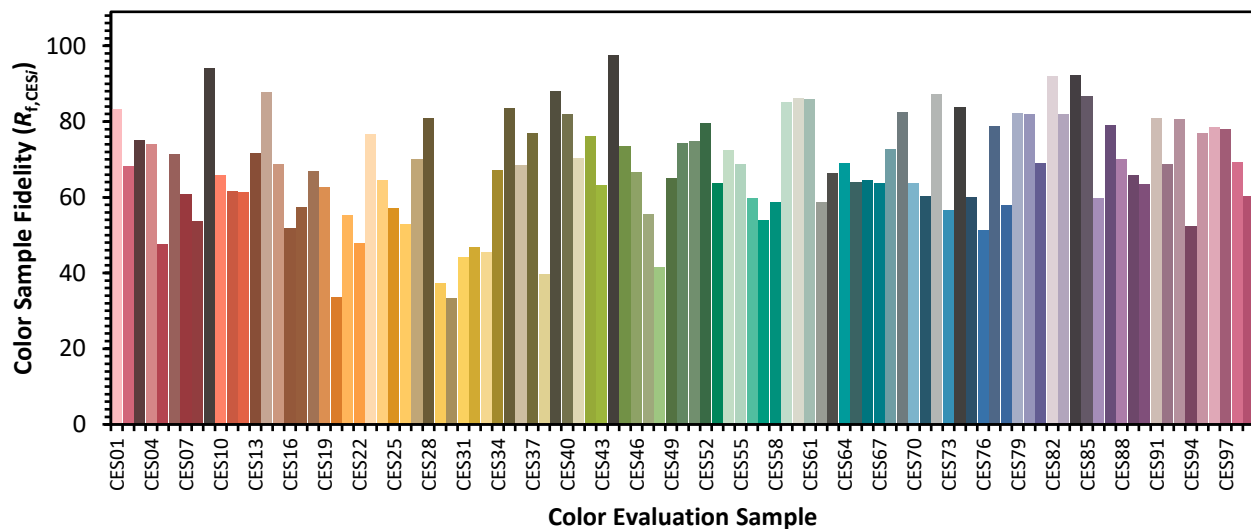


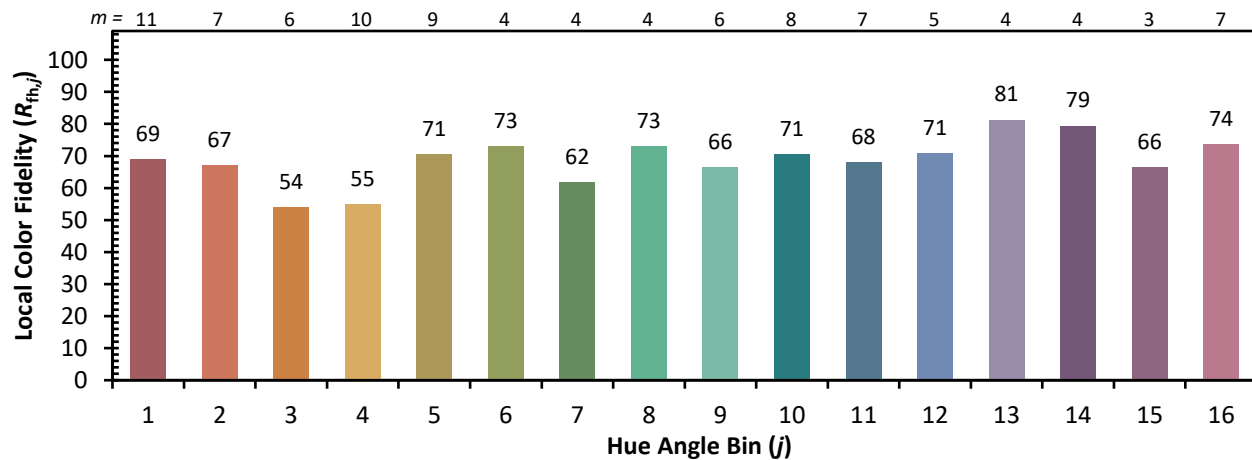
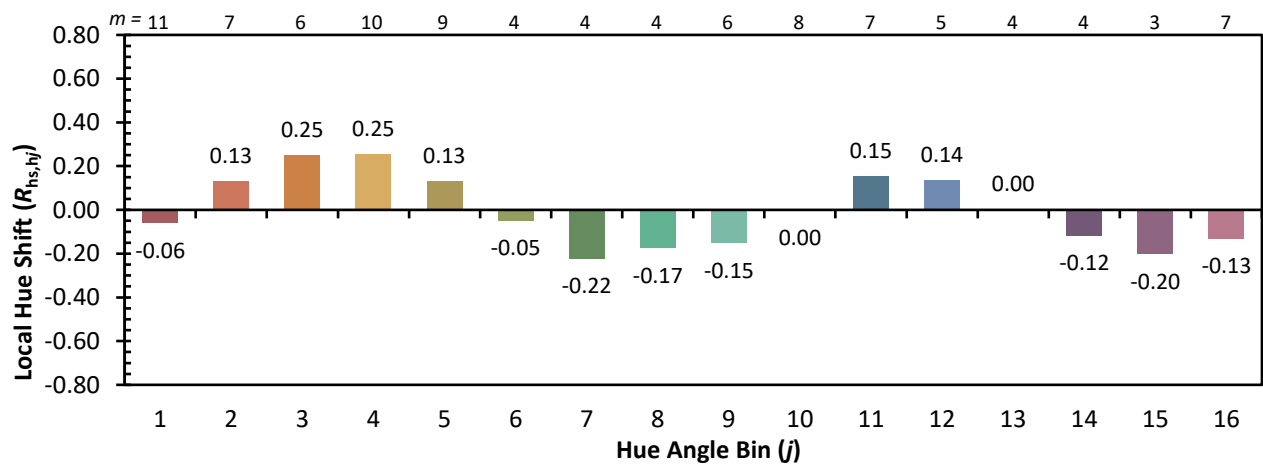
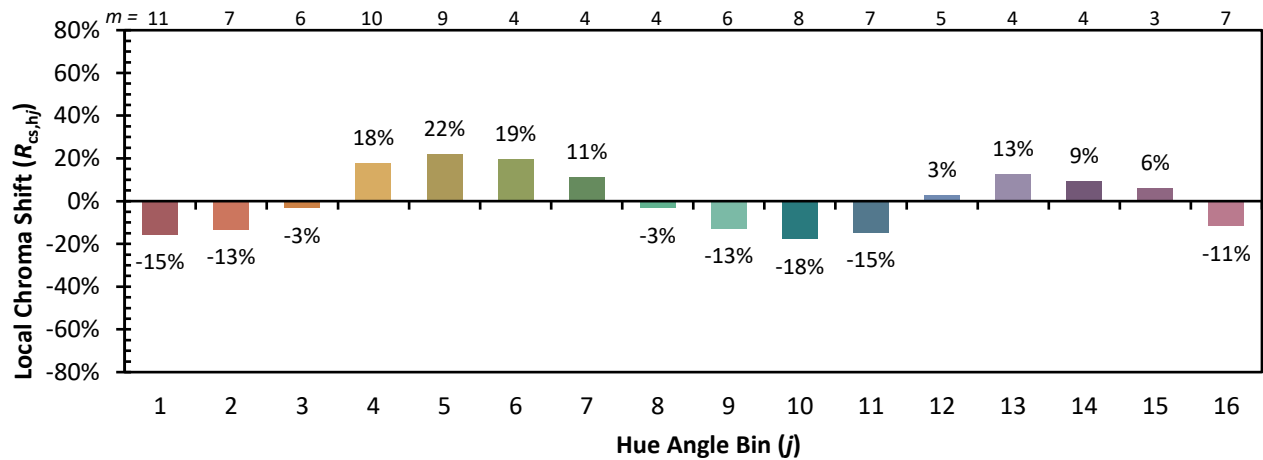
Color Vector Graphics



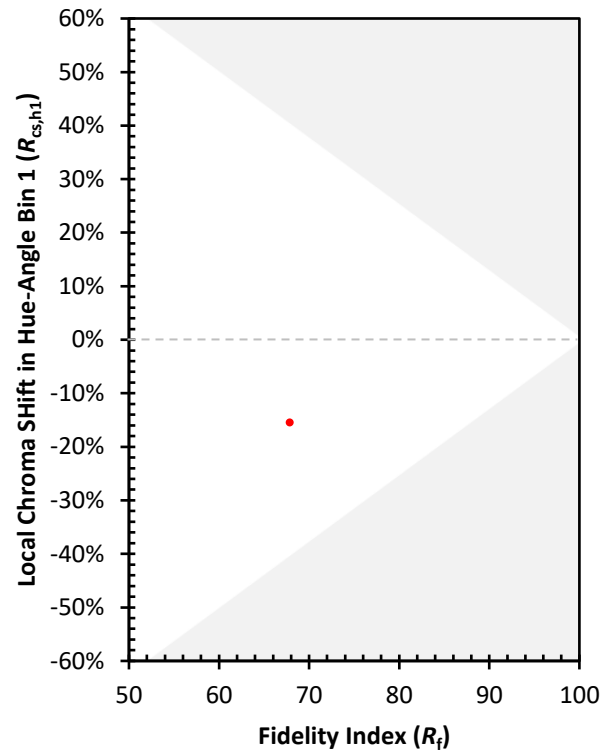
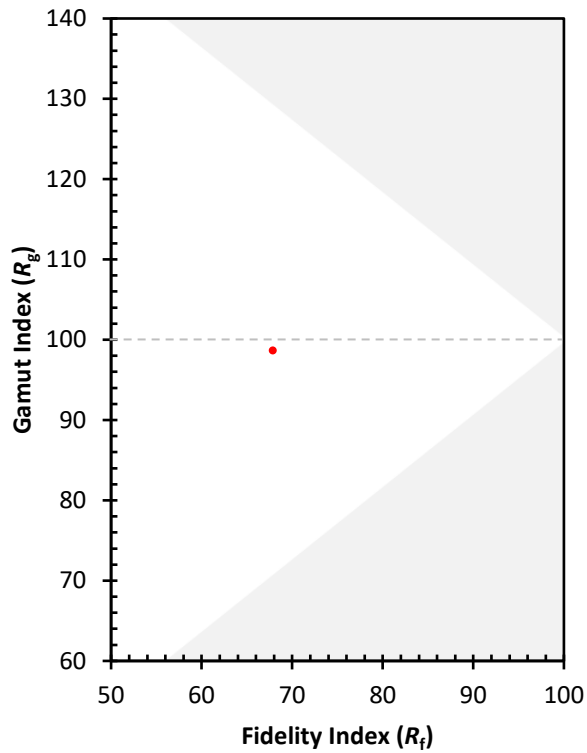
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)