

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: P1065534

Luminaire Tested: **GLAN-SA2B-927-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065534
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-927-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 2xLight Square PACKAGE
90CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (28) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

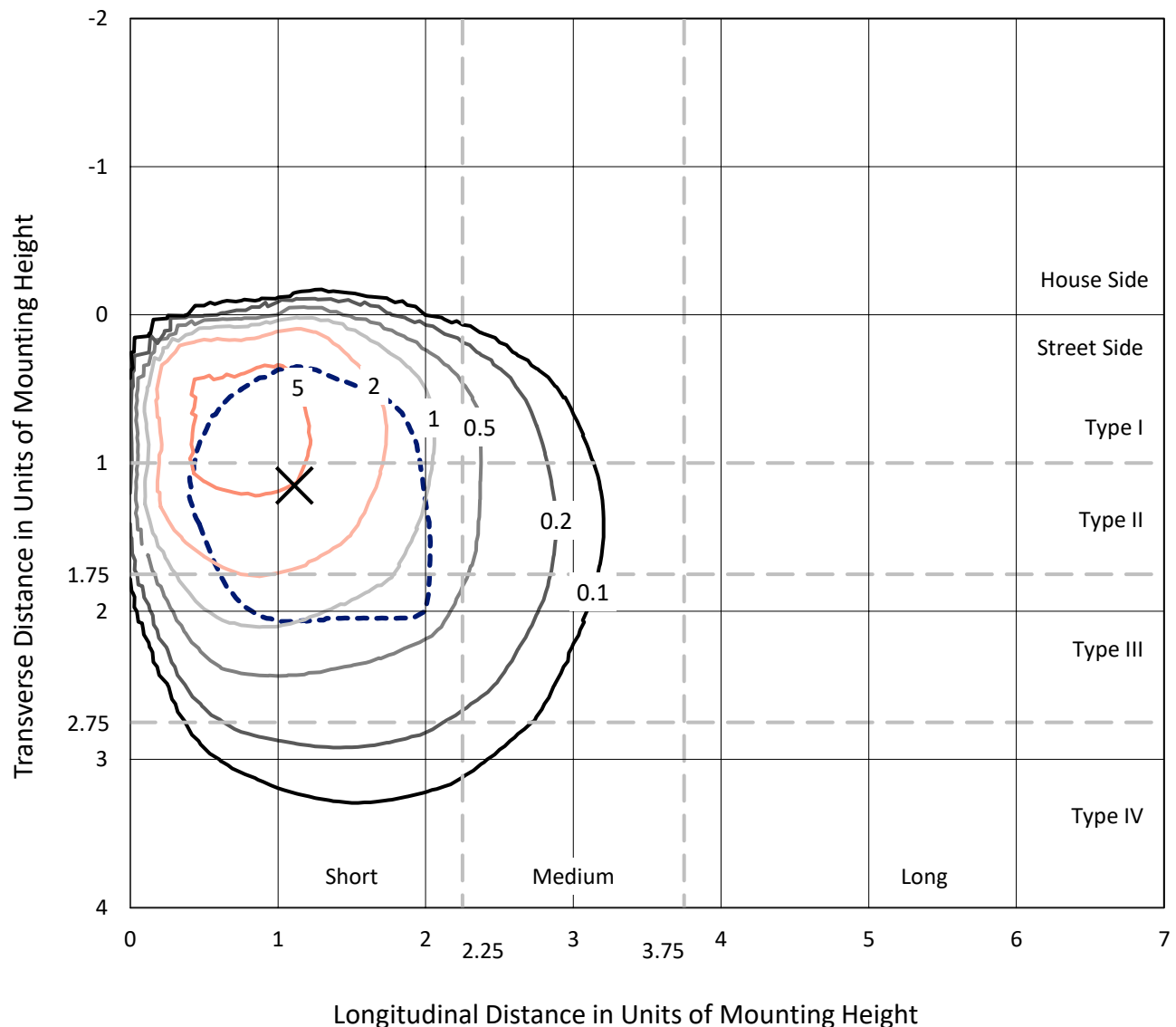
Lumens per Lamp: N/A
Luminaire Lumens: 5220.2 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
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

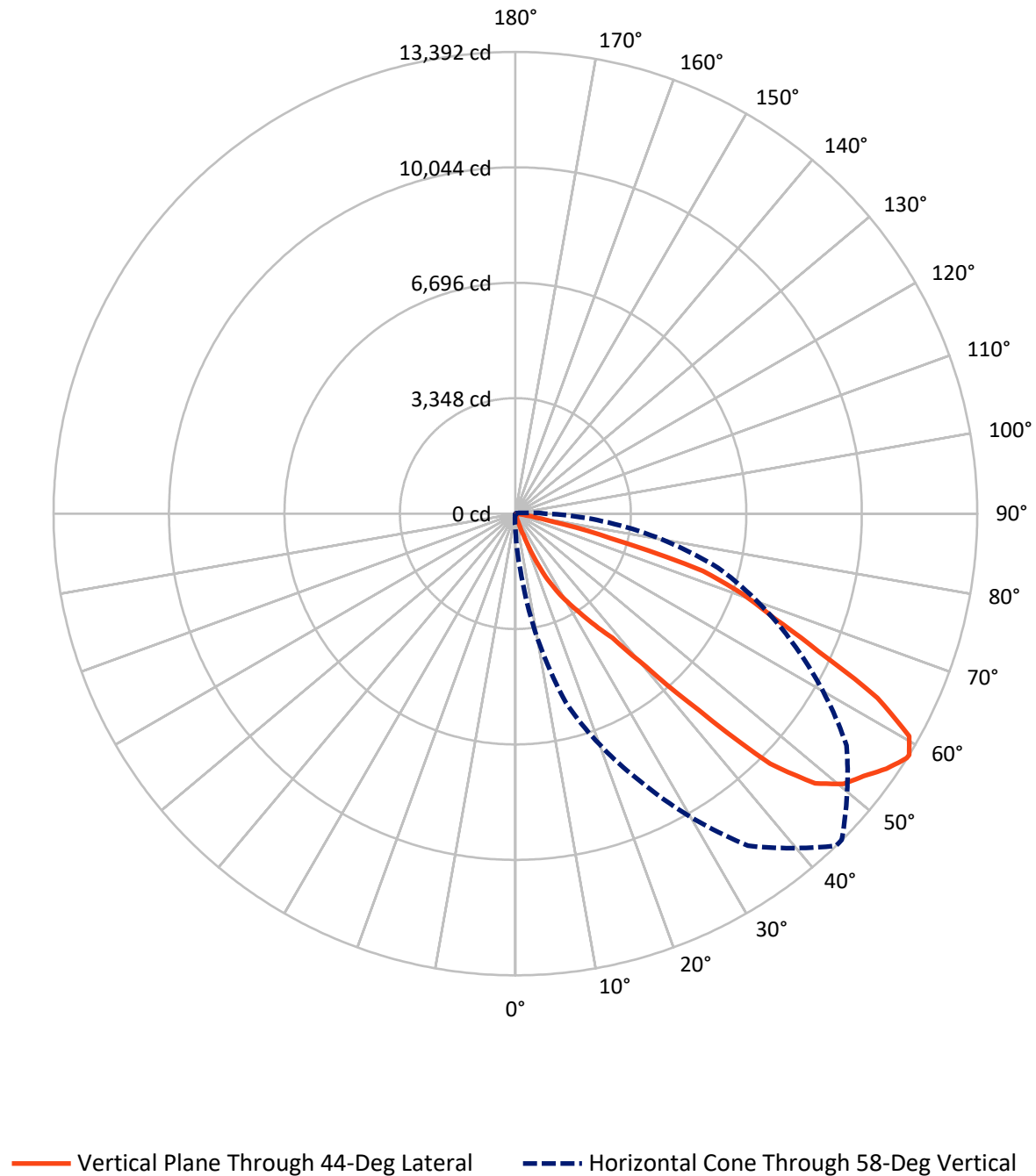
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.1 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	35.6	0.0	35.6
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	5184.6	0.0	5184.6
	% Fixture	99.3	0.0	99.3
Total	Lumens	5220.2	0.0	5220.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.0
10°-20°	11.4	0.2
20°-30°	123.7	2.4
30°-40°	365.7	7.0
40°-50°	1090.1	20.9
50°-60°	1729.7	33.1
60°-70°	1442.7	27.6
70°-80°	445.0	8.5
80°-90°	9.9	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°	5220.2	100.0
0°-180°	5220.2	100.0



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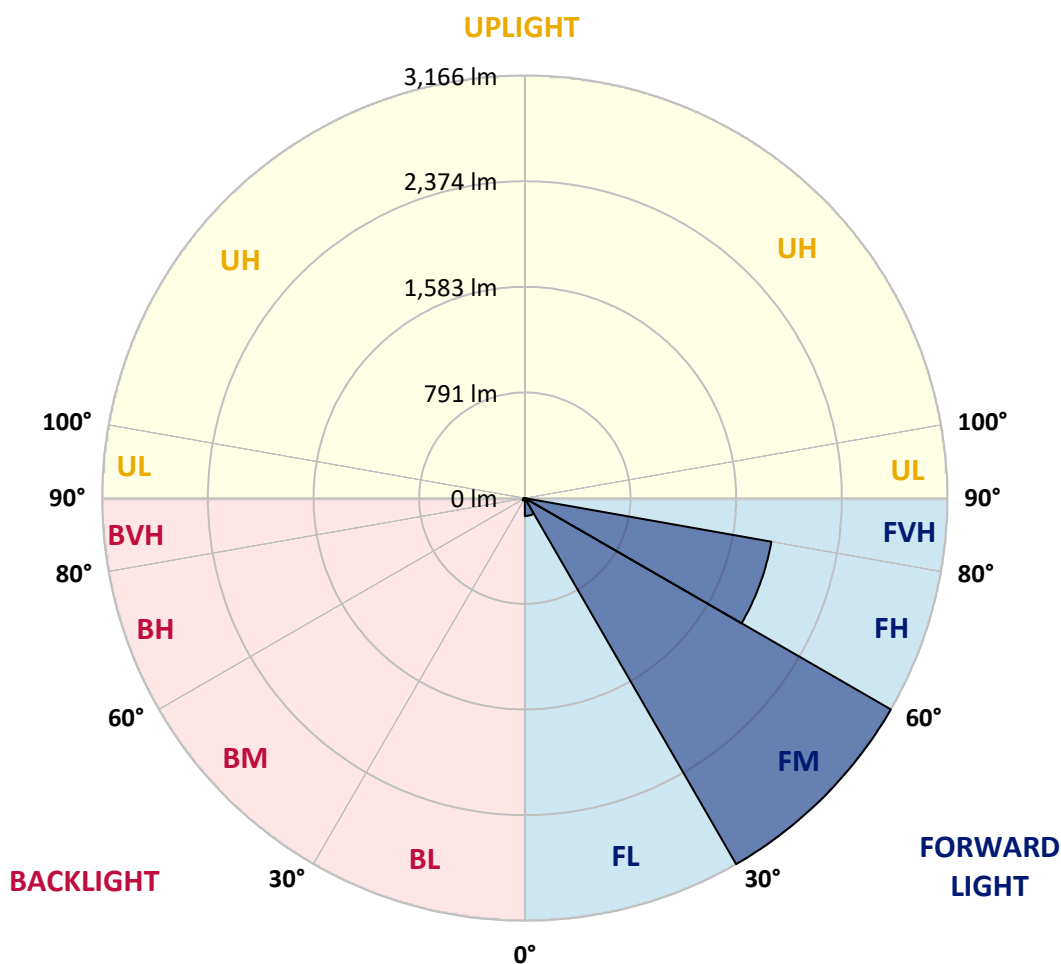
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.7	2.6			
FM	(30°-60°)	3165.9	60.6			
FH	(60°-80°)	1875.5	35.9			G2/5000
FVH	(80°-90°)	9.4	0.2			G0/10
BL	(0°-30°)	3.5	0.1	B0/110		
BM	(30°-60°)	19.5	0.4	B0/220		
BH	(60°-80°)	12.2	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	29.6	29.6	28.4	26.8	25.2	23.7	23.3	22.5	22.1	21.7
5°	30.8	30.8	30.4	29.2	27.6	26.4	26.4	25.2	24.4	23.7
7.5°	31.5	31.9	32.7	32.3	31.5	30.4	30.4	29.6	28.4	26.4
10°	32.7	33.9	35.5	36.3	36.7	36.7	36.3	35.9	33.9	31.2
12.5°	33.9	36.3	40.2	44.2	46.5	49.7	49.3	48.5	43.4	37.5
15°	36.3	39.8	48.1	59.5	77.3	88.3	92.7	88.7	71.8	50.5
17.5°	39.0	45.0	69.8	124.6	204.3	242.1	265.0	246.5	163.3	95.8
20°	41.8	54.8	129.7	323.0	530.0	653.8	688.1	634.5	407.4	182.6
22.5°	46.5	76.9	263.0	667.6	1142.0	1327.7	1362.8	1191.3	769.4	360.4
25°	56.4	111.6	453.5	1088.0	1704.3	2017.8	2003.3	1778.5	1248.1	575.7
27.5°	70.6	162.5	685.8	1545.8	2243.0	2519.4	2552.6	2274.6	1663.7	846.7
30°	91.1	225.2	935.0	1912.6	2674.8	2973.7	2979.2	2691.8	2035.6	1084.4
32.5°	110.8	284.3	1153.1	2267.1	3100.3	3428.0	3452.5	3098.7	2313.2	1332.1
35°	125.8	323.0	1373.9	2578.6	3529.4	3980.9	3979.3	3559.3	2642.1	1553.3
37.5°	127.0	361.6	1573.8	2897.2	4072.8	4578.3	4628.4	4165.4	3039.6	1827.0
40°	124.2	405.0	1827.0	3394.1	5051.9	5827.6	5871.7	5288.1	3836.9	2295.5
42.5°	127.4	480.3	2237.9	4311.7	6677.8	7791.8	7877.0	7263.4	5302.7	3251.3
45°	143.9	621.9	3098.7	5846.9	8995.3	10353.4	10325.0	9441.3	7008.2	4706.5
47.5°	198.7	968.5	4374.8	7341.1	10476.5	11685.9	11710.4	10630.3	8003.6	5825.2
50°	305.6	1481.9	5447.0	8130.9	11113.3	12326.7	12303.8	11055.8	8381.7	6376.1
52.5°	397.5	1853.4	5984.9	8408.1	11195.0	12643.4	12641.8	11167.7	8440.5	6423.4
55°	420.4	1881.4	5989.3	8423.1	11377.9	13057.8	13109.9	11443.4	8516.6	6216.8
57.5°	411.3	1665.7	5739.2	8509.9	11703.7	13378.4	13381.2	11710.4	8709.8	6090.2
58°	403.4	1631.8	5688.8	8559.2	11759.7	13391.8	13385.1	11722.6	8867.2	6085.5
60°	359.2	1416.9	5492.0	8685.0	11676.4	13116.6	13053.9	11455.6	8843.9	6037.0
62.5°	282.3	1105.3	5298.4	8539.5	10784.4	11784.1	11810.1	10142.1	8062.3	5754.2
65°	224.8	823.8	4894.6	7490.5	8880.6	9677.1	9774.1	8247.3	6729.4	4872.5
67.5°	179.0	595.5	4105.9	5963.6	7027.2	8076.5	8147.1	6924.2	5213.6	3733.2
70°	145.5	402.6	2834.1	4361.4	5796.0	6975.9	6980.2	5752.3	3891.4	2446.1
72.5°	128.9	278.8	1645.2	3180.8	4699.8	5684.4	5569.7	4667.8	2990.7	1448.8
75°	111.6	184.9	806.8	1944.5	2849.5	2868.8	2912.6	2165.3	1494.9	688.9
77.5°	91.9	131.3	317.8	531.2	854.5	1093.9	1134.5	859.7	497.3	169.6
80°	63.1	62.3	85.6	162.9	244.5	306.4	285.9	221.2	130.1	65.1
82.5°	27.2	29.6	38.6	46.5	37.9	36.7	35.1	22.5	17.4	13.4
85°	8.7	7.9	8.3	8.3	6.7	5.1	5.1	2.4	0.0	0.0
87.5°	4.3	3.5	3.5	3.2	2.0	0.8	0.4	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

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
22.9	0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
21.3	2.5°	20.9	20.9	20.1	19.3	18.9	18.1	17.7	17.4	17.0	16.6
22.9	5°	22.1	21.7	20.5	19.3	18.1	17.0	16.2	15.4	14.6	14.2
25.2	7.5°	24.1	23.3	20.9	18.9	17.4	15.8	15.0	13.8	13.0	11.8
28.0	10°	26.4	24.8	21.7	19.3	17.0	15.0	13.8	12.6	11.4	9.9
31.9	12.5°	29.6	26.8	22.9	18.9	16.2	13.8	12.6	11.0	9.9	8.7
37.1	15°	32.3	28.8	23.3	18.9	15.4	12.6	11.0	9.5	8.3	6.7
46.5	17.5°	36.3	30.4	22.9	17.7	14.2	11.0	9.5	8.3	6.3	3.9
69.0	20°	43.0	31.5	22.1	16.6	12.2	9.1	7.1	5.5	2.8	0.8
103.7	22.5°	53.6	34.7	21.3	15.0	10.6	7.1	4.7	2.0	0.0	0.0
157.7	25°	74.1	40.2	21.3	14.2	9.5	5.1	1.6	0.0	0.0	0.0
224.0	27.5°	98.6	47.7	21.3	12.2	7.5	2.8	0.0	0.0	0.0	0.0
305.2	30°	123.4	56.0	21.3	10.6	5.9	0.4	0.0	0.0	0.0	0.0
375.8	32.5°	147.1	63.1	21.7	9.1	3.9	0.0	0.0	0.0	0.0	0.0
473.6	35°	171.1	64.3	21.3	7.9	2.4	0.0	0.0	0.0	0.0	0.0
593.5	37.5°	201.9	61.9	20.1	7.1	1.2	0.0	0.0	0.0	0.0	0.0
780.8	40°	248.4	63.1	18.9	6.7	0.4	0.0	0.0	0.0	0.0	0.0
1114.8	42.5°	334.4	68.2	17.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0
1775.7	45°	578.1	91.5	15.8	7.1	0.0	0.0	0.0	0.0	0.0	0.0
2665.7	47.5°	956.3	164.4	15.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0
3211.1	50°	1220.5	207.0	16.2	7.5	0.0	0.0	0.0	0.0	0.0	0.0
3279.3	52.5°	1218.5	230.7	17.0	7.9	1.6	0.0	0.0	0.0	0.0	0.0
3022.6	55°	1083.3	235.0	18.1	8.7	5.1	0.0	0.0	0.0	0.0	0.0
2597.5	57.5°	905.4	214.5	20.9	10.6	9.5	0.0	0.0	0.0	0.0	0.0
2530.9	58°	873.9	205.1	21.7	11.0	10.3	0.0	0.0	0.0	0.0	0.0
2195.3	60°	716.1	167.2	27.6	13.8	13.8	0.0	0.0	0.0	0.0	0.0
1799.8	62.5°	494.5	145.9	31.5	17.7	14.2	0.0	0.0	0.0	0.0	0.0
1327.0	65°	349.8	131.7	34.3	18.9	11.4	0.0	0.0	0.0	0.0	0.0
942.9	67.5°	261.4	121.5	37.9	19.3	5.9	0.0	0.0	0.0	0.0	0.0
591.5	70°	200.3	114.0	46.5	20.5	1.6	0.0	0.0	0.0	0.0	0.0
352.5	72.5°	163.3	105.3	56.4	21.3	0.0	0.0	0.0	0.0	0.0	0.0
211.4	75°	135.3	95.0	54.4	23.3	0.0	0.0	0.0	0.0	0.0	0.0
112.8	77.5°	89.9	73.7	49.7	23.3	0.0	0.0	0.0	0.0	0.0	0.0
40.2	80°	31.5	29.2	38.6	20.5	0.0	0.0	0.0	0.0	0.0	0.0
8.3	82.5°	4.7	3.9	5.5	7.1	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

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
22.9	0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
16.2	2.5°	16.2	16.2	15.8	16.2	16.2	17.0	18.9	21.7	24.8	26.0
13.8	5°	13.4	13.0	12.6	12.6	12.6	13.8	15.4	18.5	22.1	23.7
11.4	7.5°	11.0	10.6	10.3	9.9	9.9	10.6	12.6	16.2	19.7	21.3
9.5	10°	9.1	8.3	7.9	7.5	7.5	8.3	10.3	13.8	17.7	19.3
7.9	12.5°	7.5	6.3	5.5	5.1	4.7	5.9	7.9	11.0	15.4	17.4
5.9	15°	5.1	3.9	2.8	2.4	2.0	3.2	5.1	8.7	13.0	15.4
3.2	17.5°	2.8	1.2	0.4	0.0	0.0	0.8	2.4	6.3	10.6	12.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.9	9.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.7	6.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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	1.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2
0.0	90°	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):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
22.9	0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
27.2	2.5°	28.0	27.6	26.8	26.0	26.0	26.0	27.2	28.4	29.6	29.6
24.4	5°	26.0	26.0	25.6	24.8	24.8	25.2	26.8	28.8	30.4	30.8
22.5	7.5°	24.1	24.8	24.1	23.7	24.1	24.4	26.0	28.4	30.8	31.5
20.9	10°	22.9	23.3	23.3	22.9	22.9	23.7	25.2	28.4	31.5	32.7
18.9	12.5°	21.3	22.1	21.7	21.7	21.7	22.5	24.4	28.0	32.3	33.9
17.0	15°	19.7	20.9	20.9	20.5	20.5	20.9	23.7	27.6	33.5	36.3
14.6	17.5°	18.1	19.3	19.7	18.9	18.9	19.7	22.5	27.6	34.3	39.0
11.8	20°	15.0	17.0	18.1	17.0	17.0	17.7	20.5	26.0	34.7	41.8
8.7	22.5°	11.8	13.8	15.4	15.0	15.0	15.4	18.9	24.8	35.1	46.5
5.1	25°	8.7	10.6	11.8	12.6	12.6	13.8	17.4	24.1	36.7	56.4
2.4	27.5°	5.1	7.5	9.1	9.9	10.3	11.8	16.2	23.3	39.4	70.6
0.0	30°	2.4	4.3	6.3	7.9	7.9	10.6	15.0	22.5	43.0	91.1
0.0	32.5°	0.0	2.0	3.2	5.5	5.9	8.7	13.8	21.7	48.1	110.8
0.0	35°	0.0	0.0	1.6	4.3	4.3	7.1	12.6	20.9	56.0	125.8
0.0	37.5°	0.0	0.0	0.0	3.2	3.5	6.3	12.2	20.5	57.6	127.0
0.0	40°	0.0	0.0	0.0	2.4	2.8	5.9	12.2	20.9	52.1	124.2
0.0	42.5°	0.0	0.0	0.0	1.6	2.0	5.9	12.2	21.7	46.9	127.4
0.0	45°	0.0	0.0	0.0	1.2	1.6	6.3	11.8	21.3	44.2	143.9
0.0	47.5°	0.0	0.0	0.0	1.6	2.4	6.3	11.4	20.9	44.6	198.7
0.0	50°	0.0	0.0	0.0	2.0	2.8	6.3	11.8	20.1	48.9	305.6
0.0	52.5°	0.0	0.0	0.0	1.6	2.4	7.1	13.0	19.7	53.2	397.5
0.0	55°	0.0	0.0	0.0	0.4	1.2	9.1	14.2	19.7	59.9	420.4
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	10.3	16.2	20.9	71.0	411.3
0.0	58°	0.0	0.0	0.0	0.0	0.0	10.3	16.6	20.9	71.8	403.4
0.0	60°	0.0	0.0	0.0	0.0	0.0	10.3	18.1	23.3	77.3	359.2
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	8.7	21.7	29.2	80.4	282.3
0.0	65°	0.0	0.0	0.0	0.0	0.0	7.1	25.6	31.9	82.8	224.8
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	6.7	26.4	32.3	84.0	179.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	7.1	26.0	34.7	87.9	145.5
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	7.9	23.7	38.3	87.9	128.9
0.0	75°	0.0	0.0	0.0	0.0	0.0	8.3	22.1	43.0	80.1	111.6
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	7.9	21.7	50.1	71.4	91.9
0.0	80°	0.8	1.2	1.2	0.8	0.8	6.7	21.3	50.9	60.7	63.1
0.4	82.5°	2.4	3.2	2.8	2.0	2.0	5.9	18.9	42.6	31.5	27.2
2.4	85°	4.3	5.1	5.1	4.3	4.3	5.5	11.8	15.4	10.6	8.7
4.3	87.5°	5.9	6.7	6.7	5.9	5.9	5.5	5.1	4.7	4.3	4.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI



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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-13

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-927-U-5WQ

Data in this report applies to families of products including GSS-SB1A-927-U-5WQ

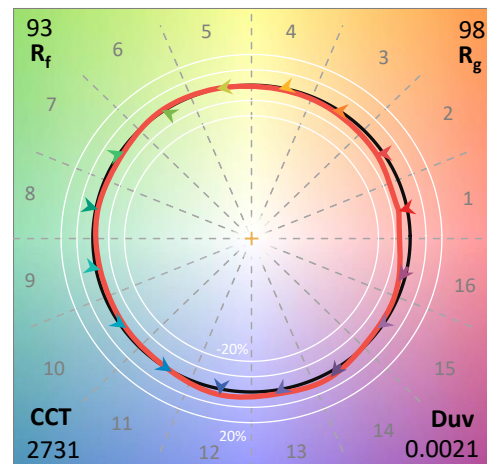
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-13
 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-927-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2731
 CIE u' : 0.2605
 CIE v' : 0.5298
 Duv: 0.0021
 CIE x: 0.4610
 CIE y: 0.4166
 CIE z: 0.1224
 Peak Wavelength (nm): 622
 Dominant Wavelength (nm): 583
 Purity: 63.43685
 R_f: 92.6
 R_g: 98

CRI (Ra): 91.8
 R1: 91.4
 R2: 95.1
 R3: 97.6
 R4: 92.3
 R5: 91.1
 R6: 94.7
 R7: 92.3
 R8: 80.0
 R9: 54.7
 R10: 87.7
 R11: 92.9
 R12: 84.0
 R13: 92.2
 R14: 97.8
 R15: 86.8



Test Conditions

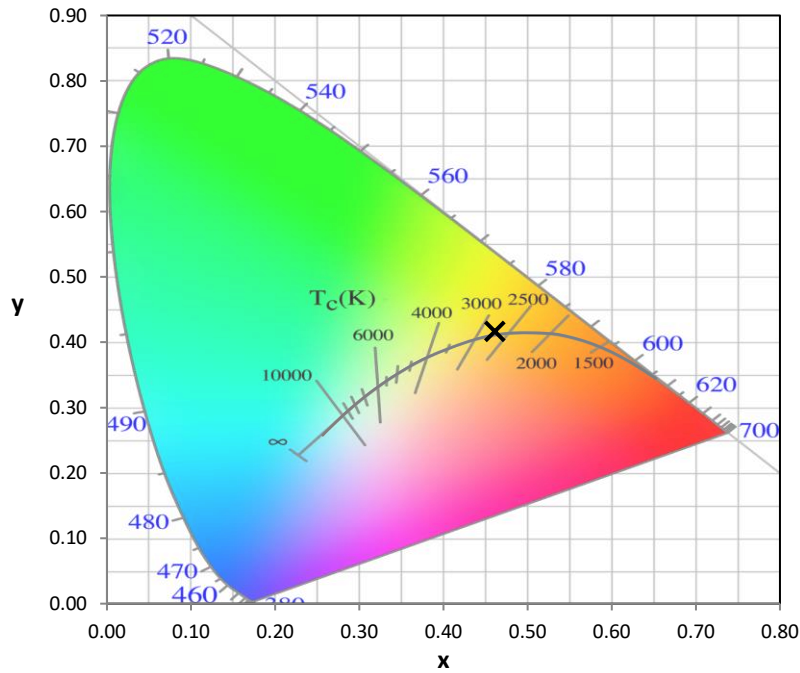
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

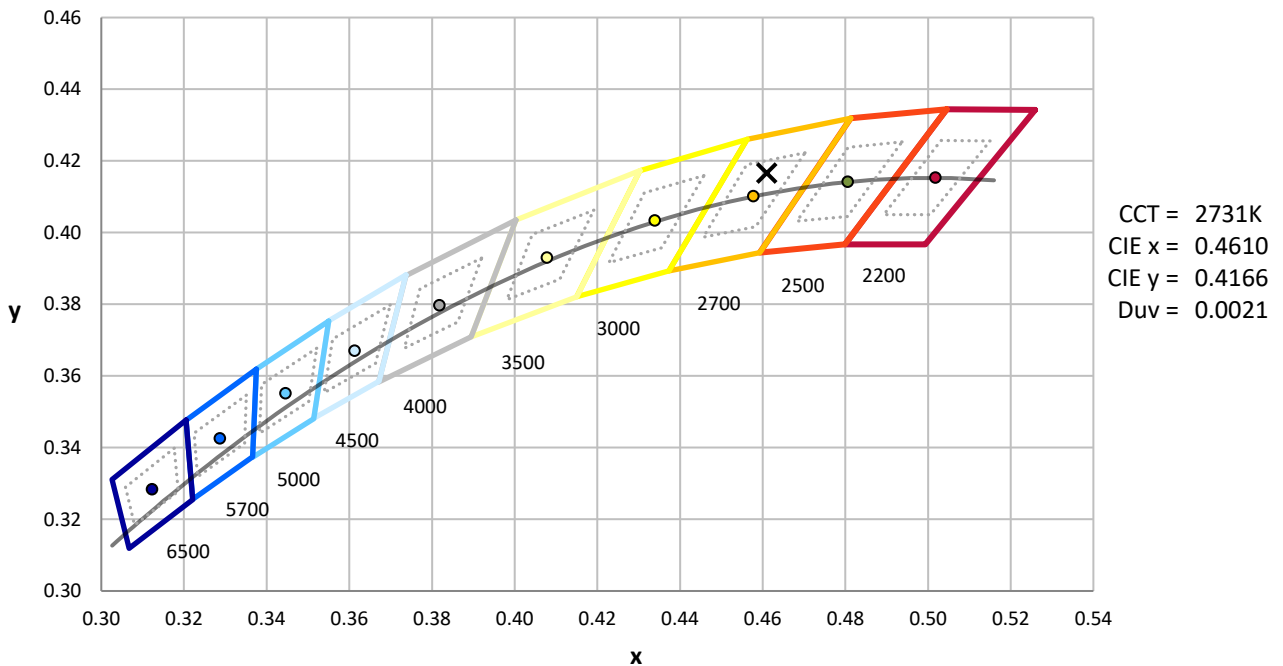
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



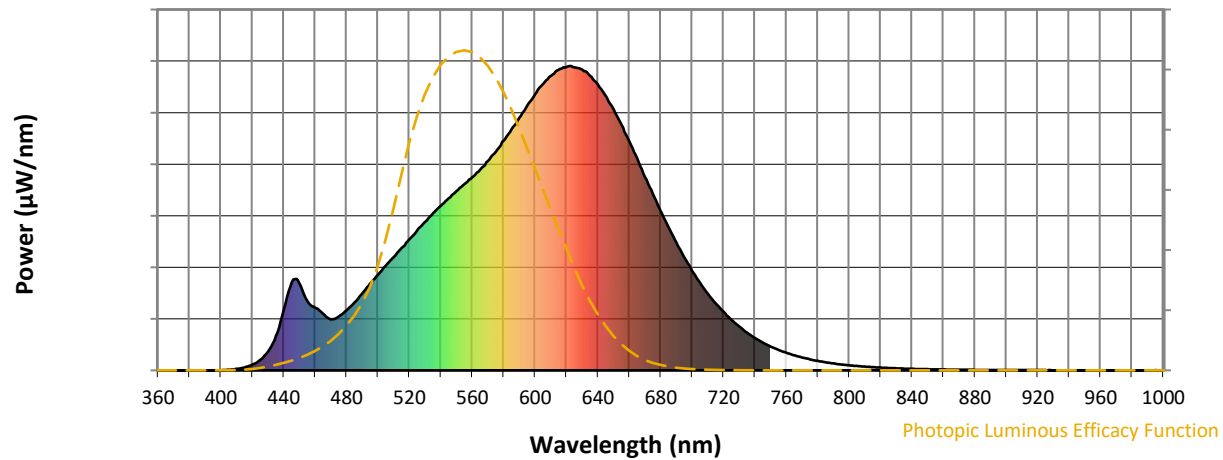
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-13

Photopic Flux vs. Wavelength

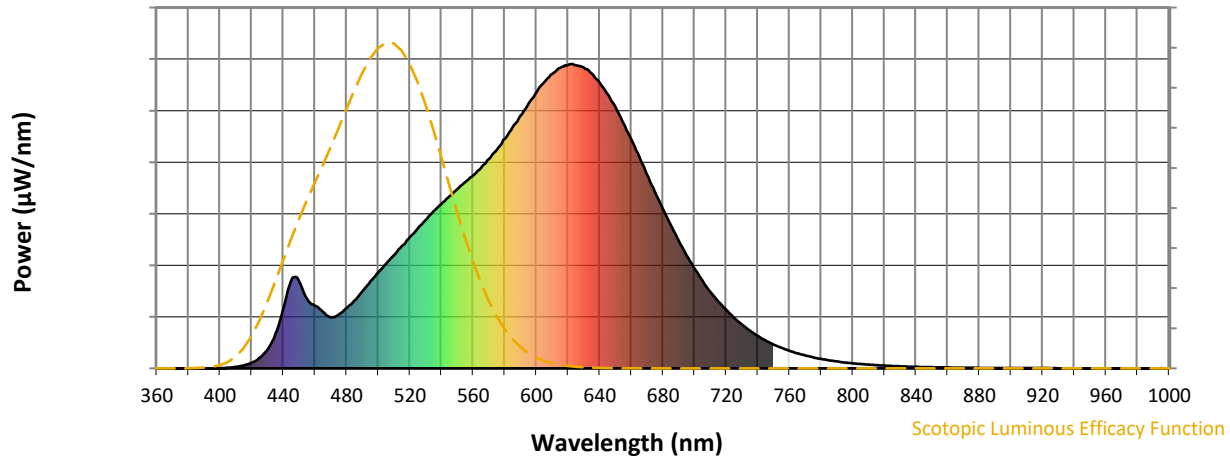


Photopic Lumens: NR

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

Scotopic Flux vs. Wavelength



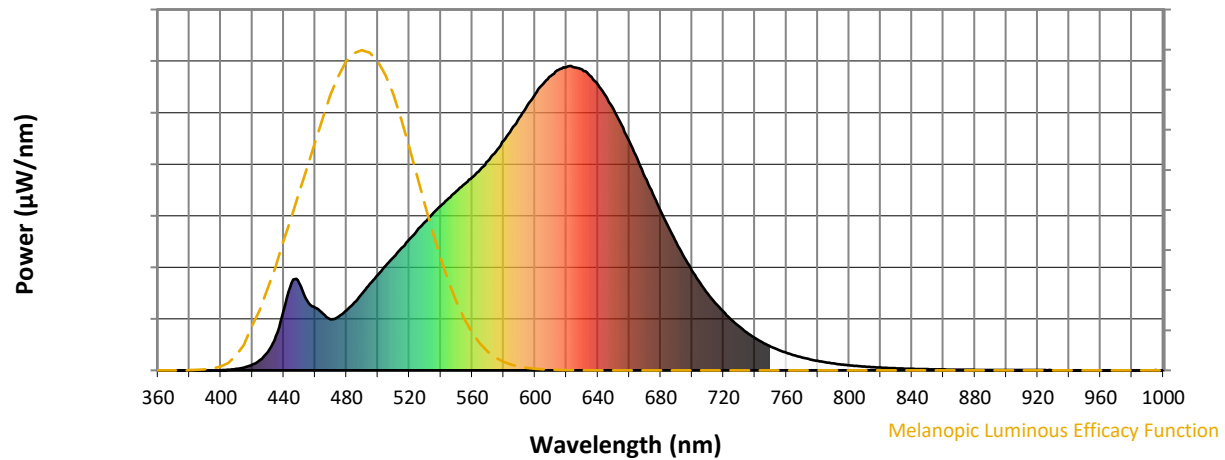
Scotopic Lumens: NR

S/P: 1.27

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.38

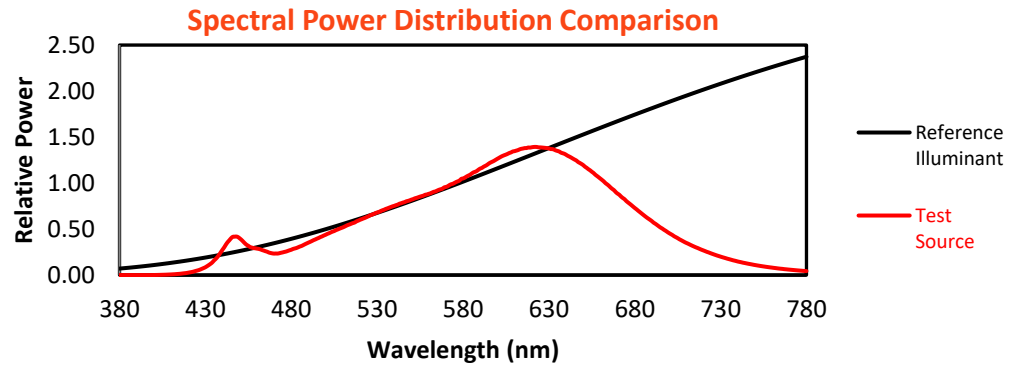
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

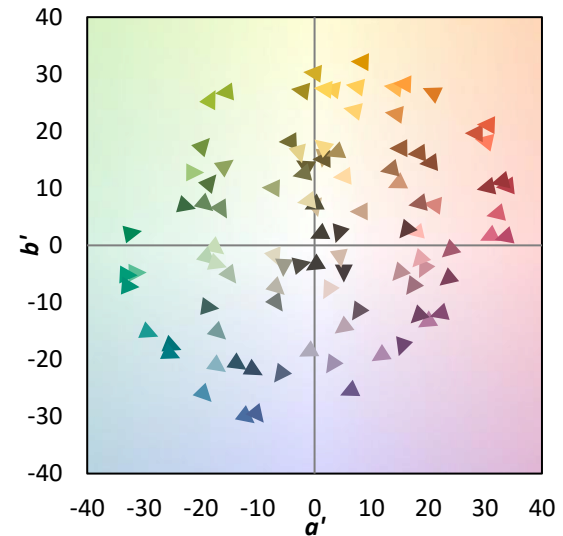
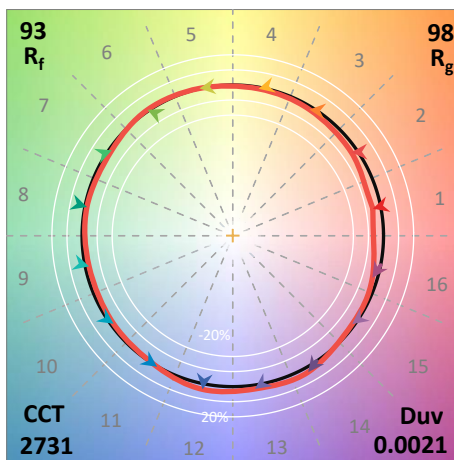
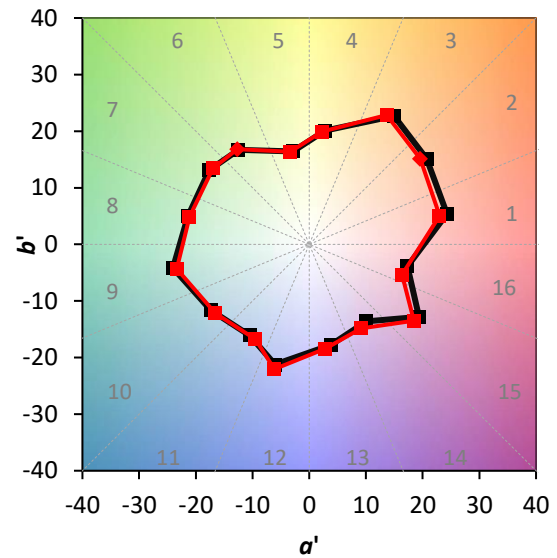
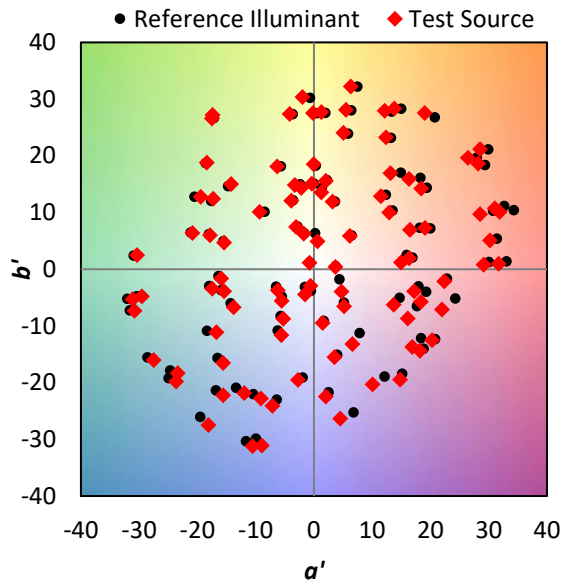
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98$
 $CIE R_a = 91.8$
 $R_9 = 54.7$

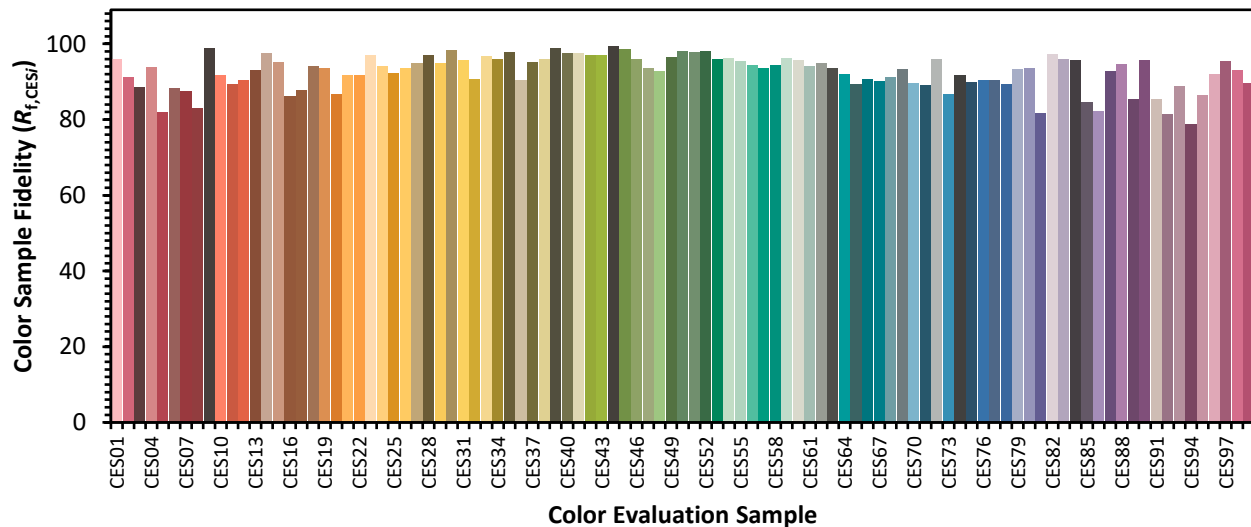


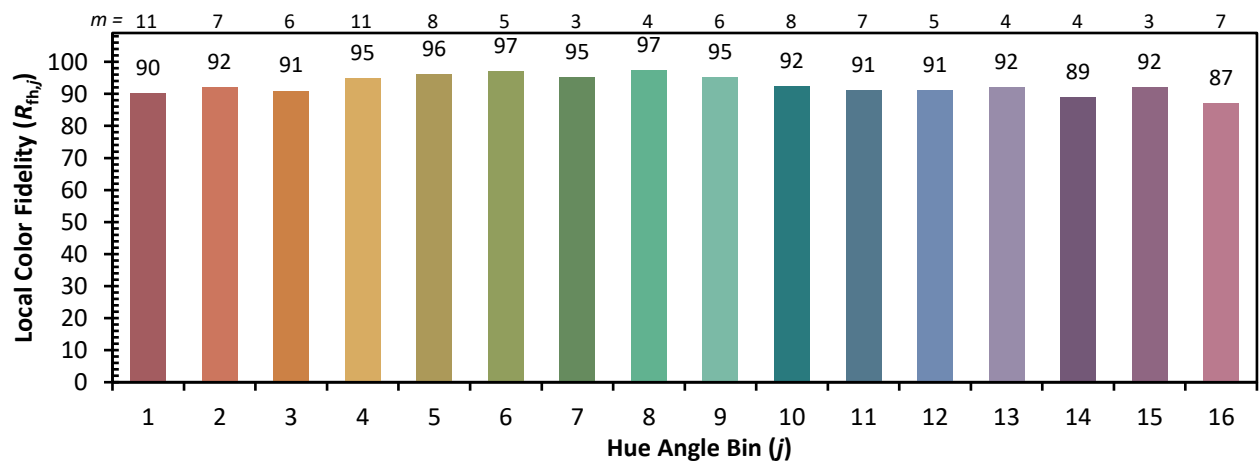
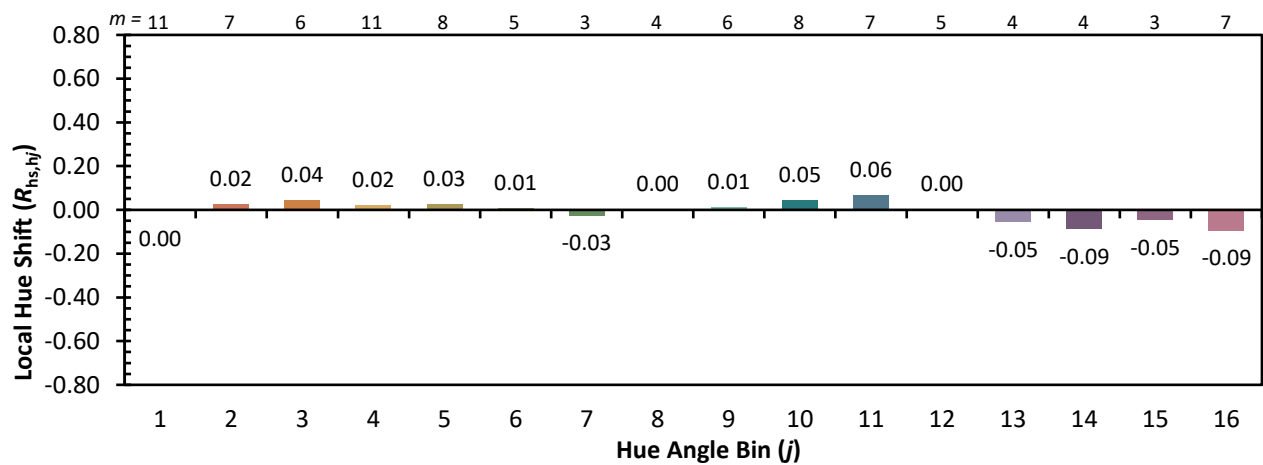
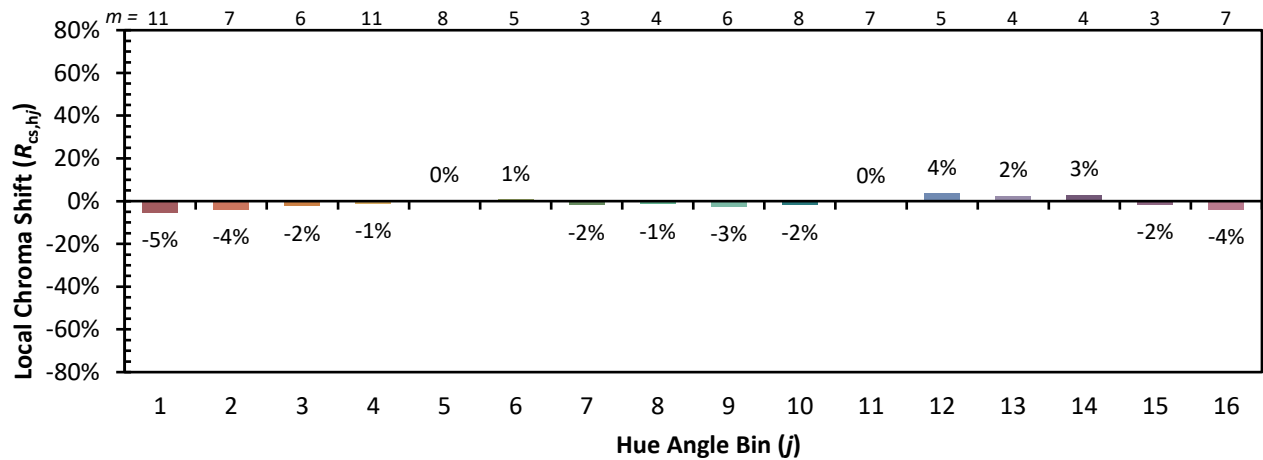
Color Vector Graphics



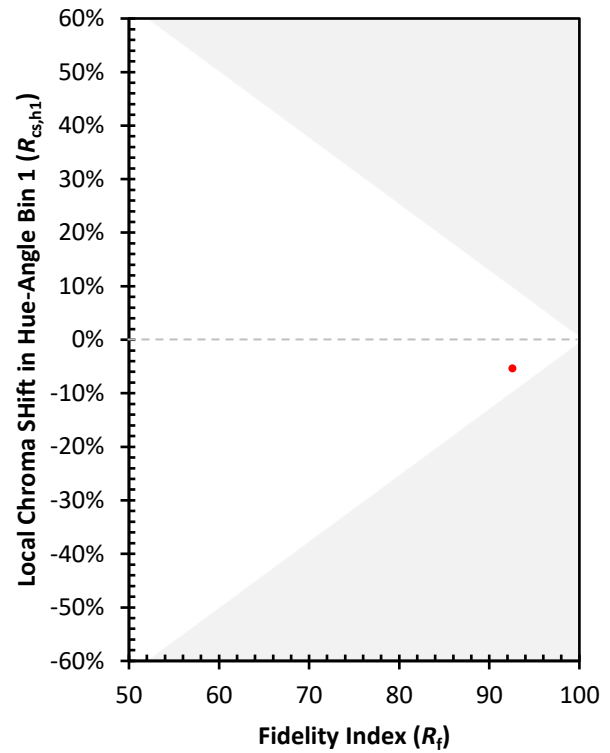
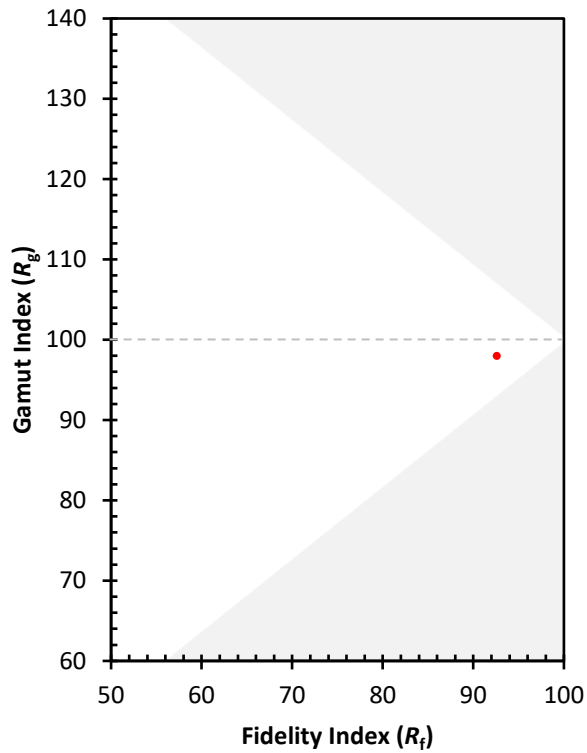
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 43	CES33 = 97	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 96	CES59 = 96	CES84 = 96
CES10 = 77	CES35 = 98	CES60 = 96	CES85 = 85
CES11 = 59	CES36 = 90	CES61 = 94	CES86 = 82
CES12 = 66	CES37 = 95	CES62 = 95	CES87 = 93
CES13 = 44	CES38 = 96	CES63 = 94	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 85
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 91	CES91 = 85
CES17 = 50	CES42 = 97	CES67 = 90	CES92 = 82
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 79
CES20 = 68	CES45 = 99	CES70 = 90	CES95 = 87
CES21 = 87	CES46 = 96	CES71 = 89	CES96 = 92
CES22 = 79	CES47 = 94	CES72 = 96	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 87	CES98 = 93
CES24 = 91	CES49 = 96	CES74 = 92	CES99 = 90
CES25 = 72	CES50 = 98	CES75 = 90	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)