

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: P1065562

Luminaire Tested: **GLAN-SA9B-927-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065562
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-927-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 9xLight Square PACKAGE
90CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (126) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22591.7 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

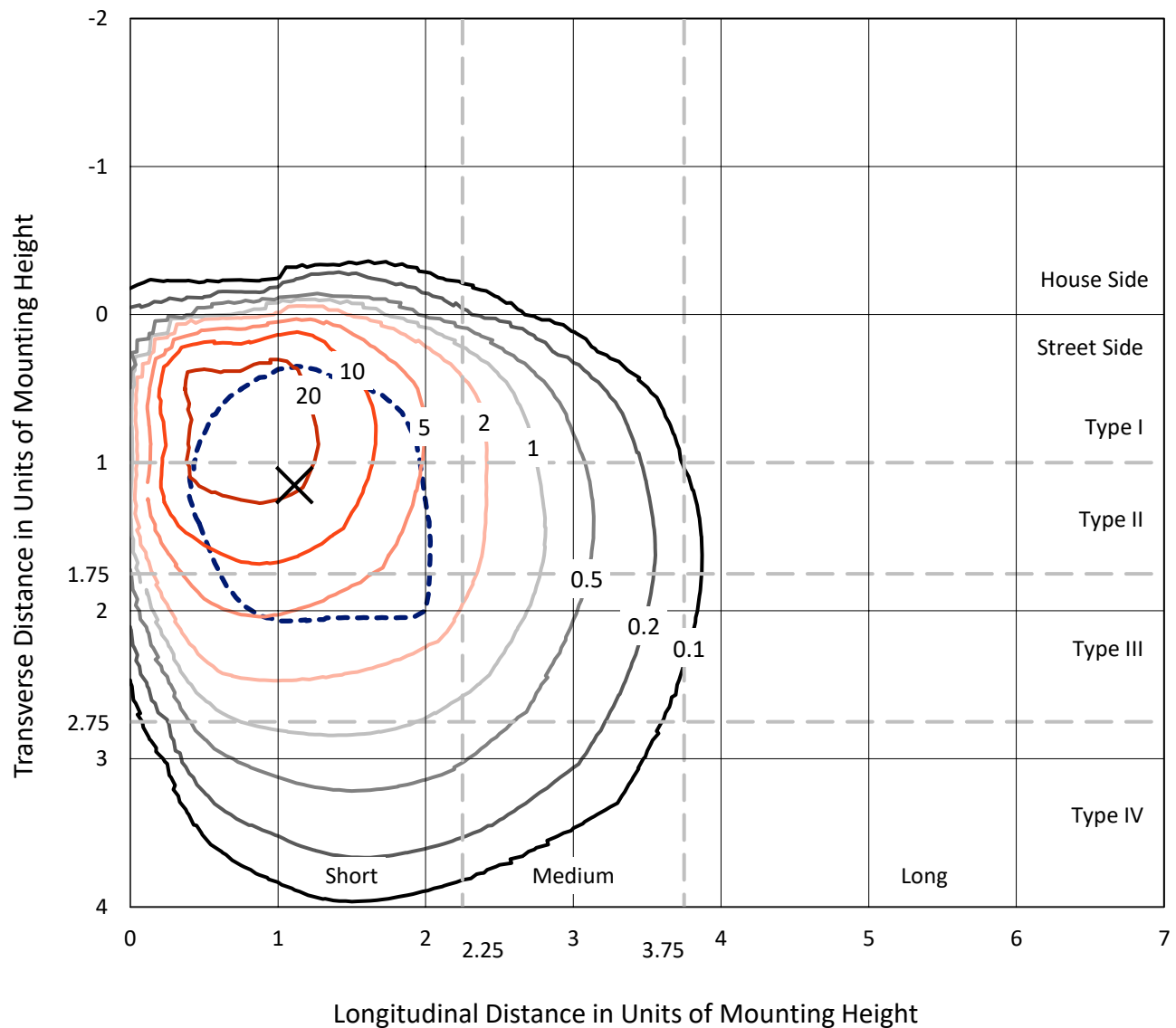
Input Watts (W): 312.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

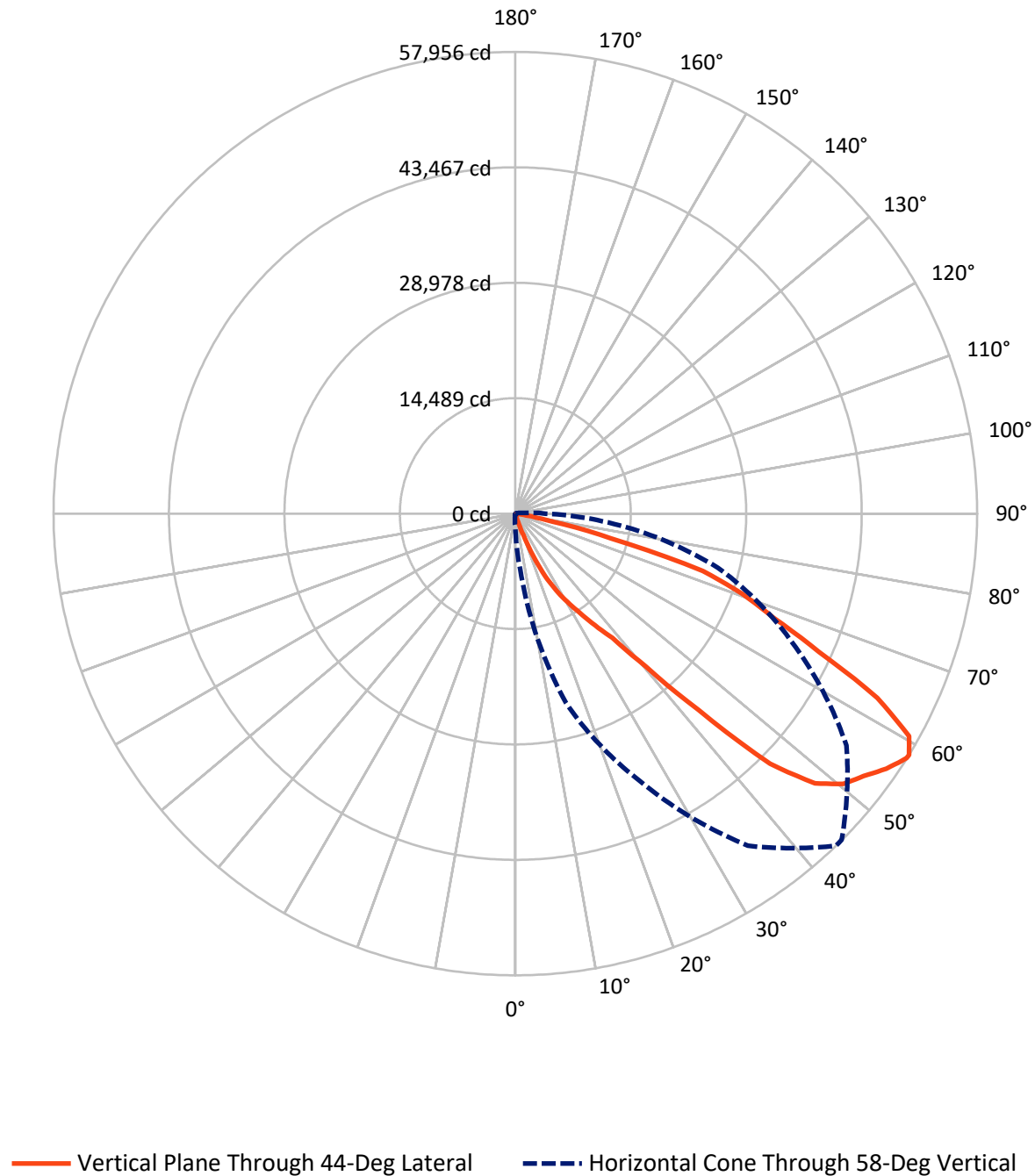
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 39.3 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	154.3	0.0	154.3
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	22437.4	0.0	22437.4
	% Fixture	99.3	0.0	99.3
Total	Lumens	22591.7	0.0	22591.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.0
10°-20°	49.5	0.2
20°-30°	535.2	2.4
30°-40°	1582.8	7.0
40°-50°	4717.5	20.9
50°-60°	7485.5	33.1
60°-70°	6243.8	27.6
70°-80°	1925.7	8.5
80°-90°	42.8	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°	22591.7	100.0
0°-180°	22591.7	100.0



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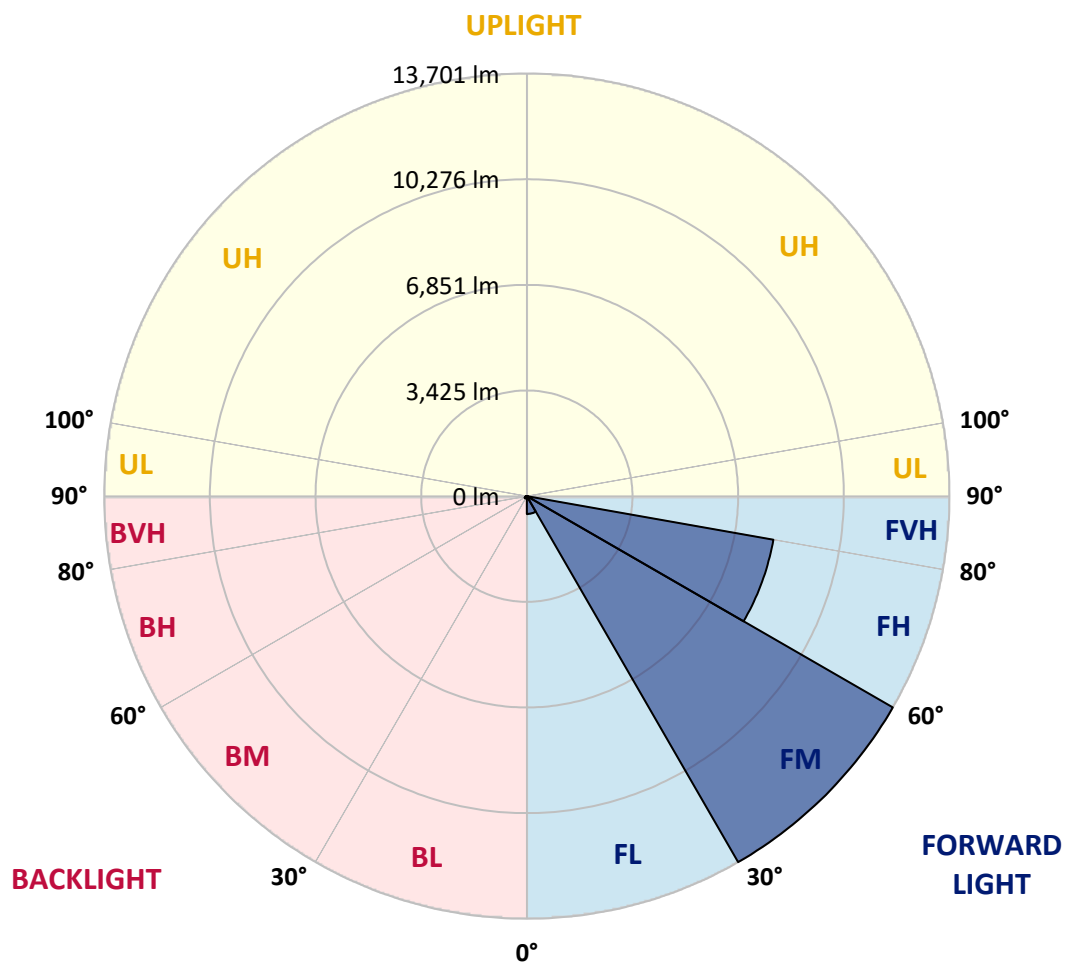
CATALOG NUMBER: GLAN-SA9B-927-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	578.5	2.6			
FM	(30°-60°)	13701.4	60.6			
FH	(60°-80°)	8116.9	35.9			G4/12000
FVH	(80°-90°)	40.7	0.2			G1/100
BL	(0°-30°)	15.1	0.1	B0/110		
BM	(30°-60°)	84.4	0.4	B0/220		
BH	(60°-80°)	52.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	128.0	128.0	122.9	116.0	109.2	102.4	100.7	97.3	95.6	93.9
5°	133.1	133.1	131.4	126.3	119.5	114.3	114.3	109.2	105.8	102.4
7.5°	136.5	138.2	141.6	139.9	136.5	131.4	131.4	128.0	122.9	114.3
10°	141.6	146.8	153.6	157.0	158.7	158.7	157.0	155.3	146.8	134.8
12.5°	146.8	157.0	174.1	191.1	201.4	215.0	213.3	209.9	187.7	162.1
15°	157.0	172.4	208.2	257.7	334.5	382.3	401.1	384.0	310.6	218.4
17.5°	169.0	194.6	302.1	539.3	884.0	1047.9	1146.8	1066.6	706.5	414.7
20°	180.9	237.2	561.5	1397.7	2293.7	2829.6	2978.0	2745.9	1762.9	790.2
22.5°	201.4	332.8	1138.3	2889.3	4942.3	5746.1	5898.0	5155.7	3329.6	1559.8
25°	244.0	483.0	1962.6	4708.5	7376.0	8732.7	8669.6	7696.8	5401.4	2491.6
27.5°	305.5	703.1	2967.8	6689.9	9707.2	10903.5	11046.9	9843.7	7200.2	3664.1
30°	394.2	974.5	4046.4	8277.0	11575.9	12869.5	12893.4	11649.3	8809.5	4693.2
32.5°	479.6	1230.5	4990.1	9811.3	13417.4	14835.5	14941.4	13410.5	10011.0	5764.9
35°	544.4	1397.7	5945.8	11159.5	15274.1	17228.2	17221.4	15403.8	11434.3	6722.3
37.5°	549.5	1565.0	6811.1	12538.4	17625.8	19813.7	20030.5	18026.9	13154.5	7906.7
40°	537.6	1752.7	7906.7	14688.8	21863.4	25220.3	25411.4	22885.6	16605.3	9934.2
42.5°	551.2	2078.6	9685.0	18660.1	28899.7	33720.9	34089.5	31434.0	22948.8	14071.0
45°	622.9	2691.3	13410.5	25303.9	38929.4	44807.0	44684.1	40859.6	30329.8	20368.4
47.5°	860.1	4191.4	18933.1	31770.2	45339.5	50573.6	50679.4	46005.0	34637.3	25210.0
50°	1322.6	6413.4	23573.4	35188.6	48095.6	53346.9	53247.9	47846.5	36274.0	27594.1
52.5°	1720.3	8021.1	25901.2	36388.3	48448.9	54717.3	54710.4	48331.1	36528.2	27798.9
55°	1819.2	8142.2	25920.0	36453.1	49240.8	56510.9	56736.2	49524.1	36857.6	26904.7
57.5°	1780.0	7208.7	24838.0	36828.6	50650.4	57898.4	57910.3	50679.4	37693.9	26356.9
58°	1745.9	7061.9	24619.5	37041.9	50892.8	57956.4	57927.4	50732.3	38374.8	26336.4
60°	1554.7	6131.8	23767.9	37586.3	50532.7	56765.2	56493.8	49577.0	38274.1	26126.5
62.5°	1221.9	4783.6	22930.0	36956.6	46672.3	50998.6	51111.2	43892.3	34891.6	24902.8
65°	972.8	3565.1	21182.4	32417.0	38432.8	41880.2	42300.0	35692.0	29123.3	21086.8
67.5°	774.8	2577.0	17769.2	25809.0	30411.8	34953.0	35258.5	29966.3	22563.1	16156.5
70°	629.7	1742.4	12265.4	18875.1	25083.7	30189.9	30208.7	24894.3	16840.8	10586.1
72.5°	558.1	1206.6	7120.0	13765.5	20339.4	24600.8	24104.1	20201.1	12942.9	6270.1
75°	483.0	800.4	3491.7	8415.3	12331.9	12415.6	12605.0	9371.0	6469.8	2981.4
77.5°	397.6	568.3	1375.5	2298.8	3698.2	4734.1	4909.9	3720.4	2152.0	733.8
80°	273.1	269.6	370.3	704.8	1058.1	1326.0	1237.3	957.4	563.2	281.6
82.5°	117.8	128.0	167.2	201.4	163.8	158.7	151.9	97.3	75.1	58.0
85°	37.5	34.1	35.8	35.8	29.0	22.2	22.2	10.2	0.0	0.0
87.5°	18.8	15.4	15.4	13.7	8.5	3.4	1.7	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°
99.0	0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
92.2	2.5°	90.5	90.5	87.0	83.6	81.9	78.5	76.8	75.1	73.4	71.7
99.0	5°	95.6	93.9	88.7	83.6	78.5	73.4	70.0	66.6	63.1	61.4
109.2	7.5°	104.1	100.7	90.5	81.9	75.1	68.3	64.9	59.7	56.3	51.2
121.2	10°	114.3	107.5	93.9	83.6	73.4	64.9	59.7	54.6	49.5	42.7
138.2	12.5°	128.0	116.0	99.0	81.9	70.0	59.7	54.6	47.8	42.7	37.5
160.4	15°	139.9	124.6	100.7	81.9	66.6	54.6	47.8	41.0	35.8	29.0
201.4	17.5°	157.0	131.4	99.0	76.8	61.4	47.8	41.0	35.8	27.3	17.1
298.7	20°	186.0	136.5	95.6	71.7	52.9	39.3	30.7	23.9	11.9	3.4
448.8	22.5°	232.1	150.2	92.2	64.9	46.1	30.7	20.5	8.5	0.0	0.0
682.6	25°	320.8	174.1	92.2	61.4	41.0	22.2	6.8	0.0	0.0	0.0
969.4	27.5°	426.7	206.5	92.2	52.9	32.4	11.9	0.0	0.0	0.0	0.0
1320.9	30°	534.2	242.3	92.2	46.1	25.6	1.7	0.0	0.0	0.0	0.0
1626.4	32.5°	636.6	273.1	93.9	39.3	17.1	0.0	0.0	0.0	0.0	0.0
2049.6	35°	740.7	278.2	92.2	34.1	10.2	0.0	0.0	0.0	0.0	0.0
2568.4	37.5°	873.8	267.9	87.0	30.7	5.1	0.0	0.0	0.0	0.0	0.0
3379.1	40°	1075.2	273.1	81.9	29.0	1.7	0.0	0.0	0.0	0.0	0.0
4824.6	42.5°	1447.2	295.2	75.1	29.0	0.0	0.0	0.0	0.0	0.0	0.0
7684.9	45°	2501.9	395.9	68.3	30.7	0.0	0.0	0.0	0.0	0.0	0.0
11536.7	47.5°	4138.5	711.7	66.6	30.7	0.0	0.0	0.0	0.0	0.0	0.0
13896.9	50°	5282.0	896.0	70.0	32.4	0.0	0.0	0.0	0.0	0.0	0.0
14192.2	52.5°	5273.4	998.4	73.4	34.1	6.8	0.0	0.0	0.0	0.0	0.0
13081.2	55°	4688.1	1017.1	78.5	37.5	22.2	0.0	0.0	0.0	0.0	0.0
11241.4	57.5°	3918.4	928.4	90.5	46.1	41.0	0.0	0.0	0.0	0.0	0.0
10953.0	58°	3781.8	887.4	93.9	47.8	44.4	0.0	0.0	0.0	0.0	0.0
9500.7	60°	3099.2	723.6	119.5	59.7	59.7	0.0	0.0	0.0	0.0	0.0
7789.0	62.5°	2140.1	631.4	136.5	76.8	61.4	0.0	0.0	0.0	0.0	0.0
5742.7	65°	1513.8	570.0	148.5	81.9	49.5	0.0	0.0	0.0	0.0	0.0
4080.5	67.5°	1131.5	525.6	163.8	83.6	25.6	0.0	0.0	0.0	0.0	0.0
2559.9	70°	867.0	493.2	201.4	88.7	6.8	0.0	0.0	0.0	0.0	0.0
1525.7	72.5°	706.5	455.7	244.0	92.2	0.0	0.0	0.0	0.0	0.0	0.0
914.7	75°	585.4	411.3	235.5	100.7	0.0	0.0	0.0	0.0	0.0	0.0
488.1	77.5°	389.1	319.1	215.0	100.7	0.0	0.0	0.0	0.0	0.0	0.0
174.1	80°	136.5	126.3	167.2	88.7	0.0	0.0	0.0	0.0	0.0	0.0
35.8	82.5°	20.5	17.1	23.9	30.7	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°
99.0	0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
70.0	2.5°	70.0	70.0	68.3	70.0	70.0	73.4	81.9	93.9	107.5	112.6
59.7	5°	58.0	56.3	54.6	54.6	54.6	59.7	66.6	80.2	95.6	102.4
49.5	7.5°	47.8	46.1	44.4	42.7	42.7	46.1	54.6	70.0	85.3	92.2
41.0	10°	39.3	35.8	34.1	32.4	32.4	35.8	44.4	59.7	76.8	83.6
34.1	12.5°	32.4	27.3	23.9	22.2	20.5	25.6	34.1	47.8	66.6	75.1
25.6	15°	22.2	17.1	11.9	10.2	8.5	13.7	22.2	37.5	56.3	66.6
13.7	17.5°	11.9	5.1	1.7	0.0	0.0	3.4	10.2	27.3	46.1	54.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	34.1	42.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	20.5	29.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	15.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	5.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	13.7
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°
99.0	0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
117.8	2.5°	121.2	119.5	116.0	112.6	112.6	112.6	117.8	122.9	128.0	128.0
105.8	5°	112.6	112.6	110.9	107.5	107.5	109.2	116.0	124.6	131.4	133.1
97.3	7.5°	104.1	107.5	104.1	102.4	104.1	105.8	112.6	122.9	133.1	136.5
90.5	10°	99.0	100.7	100.7	99.0	99.0	102.4	109.2	122.9	136.5	141.6
81.9	12.5°	92.2	95.6	93.9	93.9	93.9	97.3	105.8	121.2	139.9	146.8
73.4	15°	85.3	90.5	90.5	88.7	88.7	90.5	102.4	119.5	145.1	157.0
63.1	17.5°	78.5	83.6	85.3	81.9	81.9	85.3	97.3	119.5	148.5	169.0
51.2	20°	64.9	73.4	78.5	73.4	73.4	76.8	88.7	112.6	150.2	180.9
37.5	22.5°	51.2	59.7	66.6	64.9	64.9	66.6	81.9	107.5	151.9	201.4
22.2	25°	37.5	46.1	51.2	54.6	54.6	59.7	75.1	104.1	158.7	244.0
10.2	27.5°	22.2	32.4	39.3	42.7	44.4	51.2	70.0	100.7	170.7	305.5
0.0	30°	10.2	18.8	27.3	34.1	34.1	46.1	64.9	97.3	186.0	394.2
0.0	32.5°	0.0	8.5	13.7	23.9	25.6	37.5	59.7	93.9	208.2	479.6
0.0	35°	0.0	0.0	6.8	18.8	18.8	30.7	54.6	90.5	242.3	544.4
0.0	37.5°	0.0	0.0	0.0	13.7	15.4	27.3	52.9	88.7	249.2	549.5
0.0	40°	0.0	0.0	0.0	10.2	11.9	25.6	52.9	90.5	225.3	537.6
0.0	42.5°	0.0	0.0	0.0	6.8	8.5	25.6	52.9	93.9	203.1	551.2
0.0	45°	0.0	0.0	0.0	5.1	6.8	27.3	51.2	92.2	191.1	622.9
0.0	47.5°	0.0	0.0	0.0	6.8	10.2	27.3	49.5	90.5	192.8	860.1
0.0	50°	0.0	0.0	0.0	8.5	11.9	27.3	51.2	87.0	211.6	1322.6
0.0	52.5°	0.0	0.0	0.0	6.8	10.2	30.7	56.3	85.3	230.4	1720.3
0.0	55°	0.0	0.0	0.0	1.7	5.1	39.3	61.4	85.3	259.4	1819.2
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	44.4	70.0	90.5	307.2	1780.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	44.4	71.7	90.5	310.6	1745.9
0.0	60°	0.0	0.0	0.0	0.0	0.0	44.4	78.5	100.7	334.5	1554.7
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	37.5	93.9	126.3	348.1	1221.9
0.0	65°	0.0	0.0	0.0	0.0	0.0	30.7	110.9	138.2	358.4	972.8
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	29.0	114.3	139.9	363.5	774.8
0.0	70°	0.0	0.0	0.0	0.0	0.0	30.7	112.6	150.2	380.6	629.7
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	34.1	102.4	165.5	380.6	558.1
0.0	75°	0.0	0.0	0.0	0.0	0.0	35.8	95.6	186.0	346.4	483.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	34.1	93.9	216.7	308.9	397.6
0.0	80°	3.4	5.1	5.1	3.4	3.4	29.0	92.2	220.2	262.8	273.1
1.7	82.5°	10.2	13.7	11.9	8.5	8.5	25.6	81.9	184.3	136.5	117.8
10.2	85°	18.8	22.2	22.2	18.8	18.8	23.9	51.2	66.6	46.1	37.5
18.8	87.5°	25.6	29.0	29.0	25.6	25.6	23.9	22.2	20.5	18.8	18.8
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

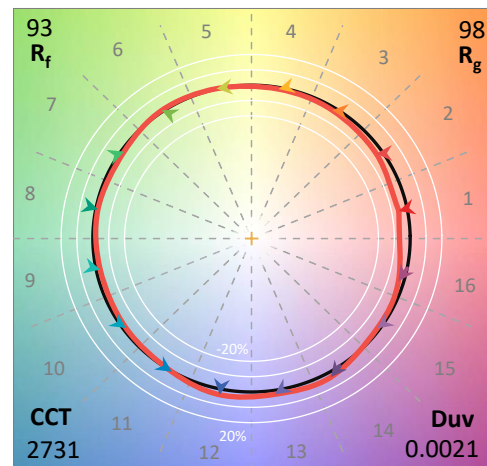
Test Information

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

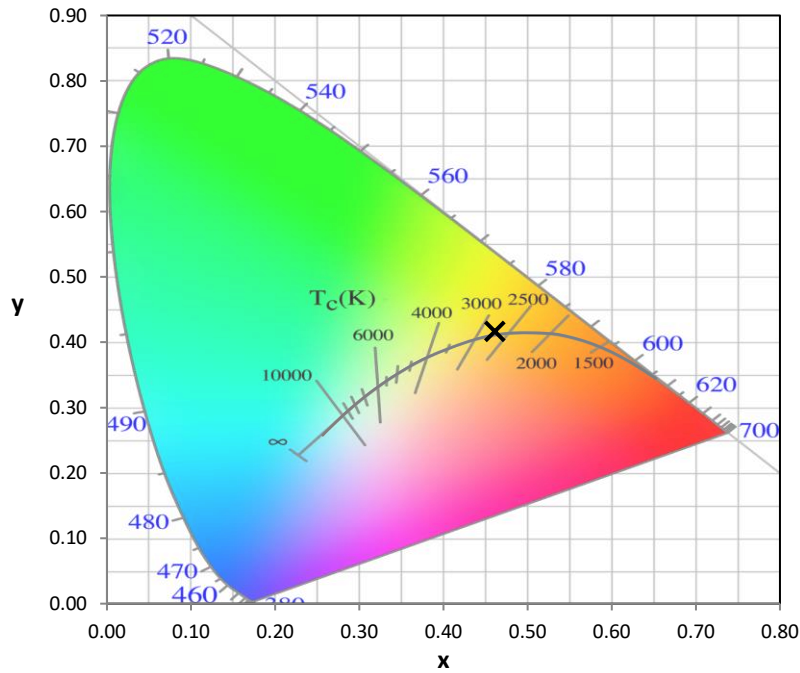
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

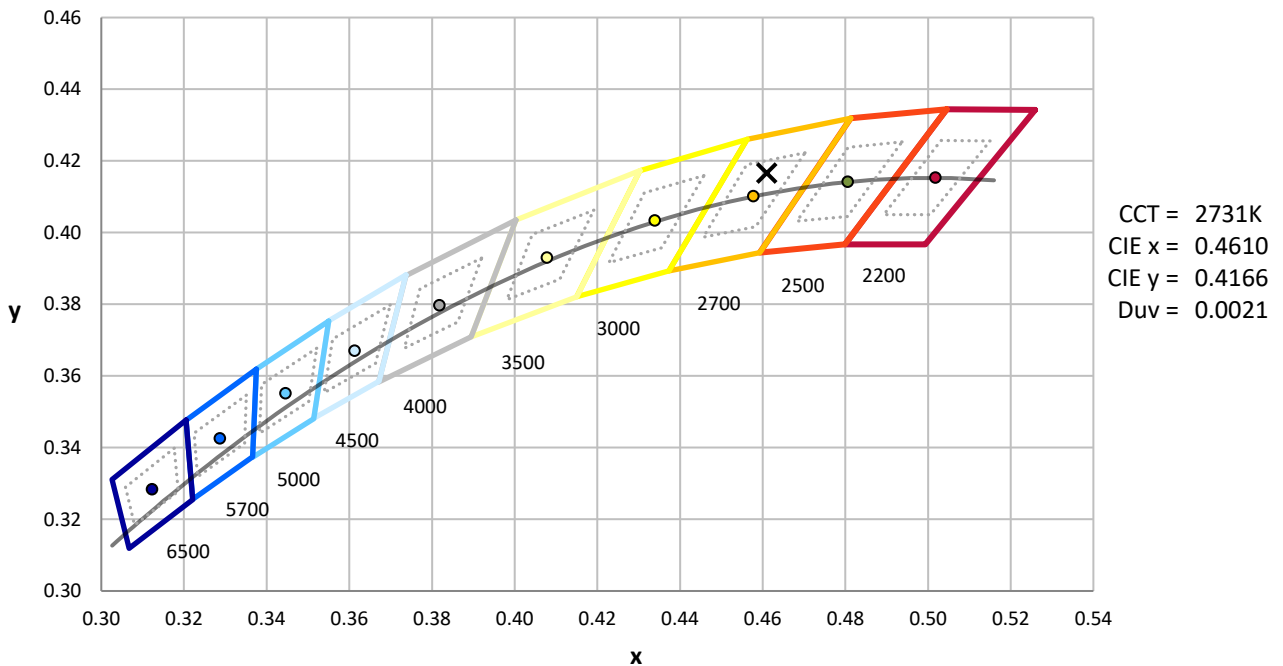
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



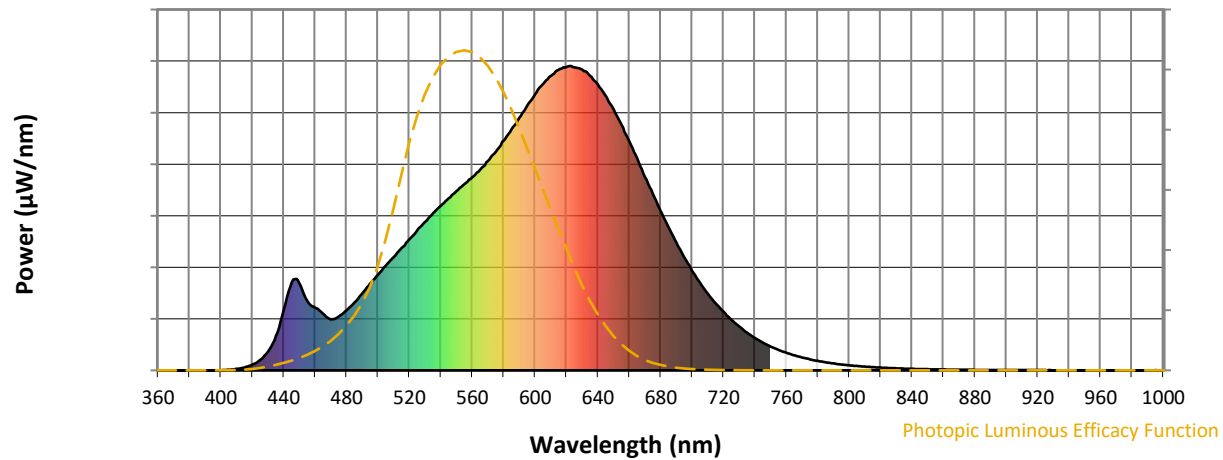
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-13

Photopic Flux vs. Wavelength

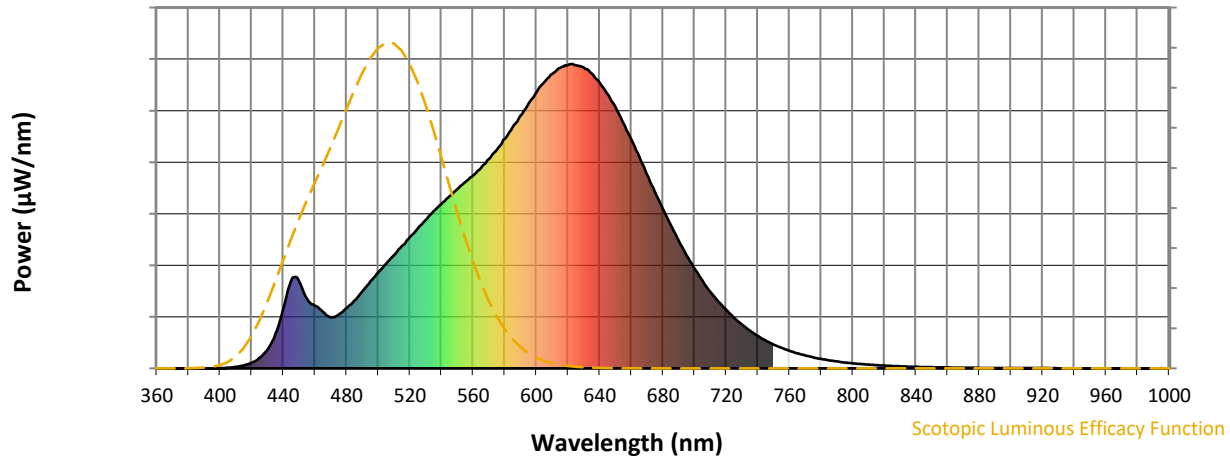


Photopic Lumens: NR

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



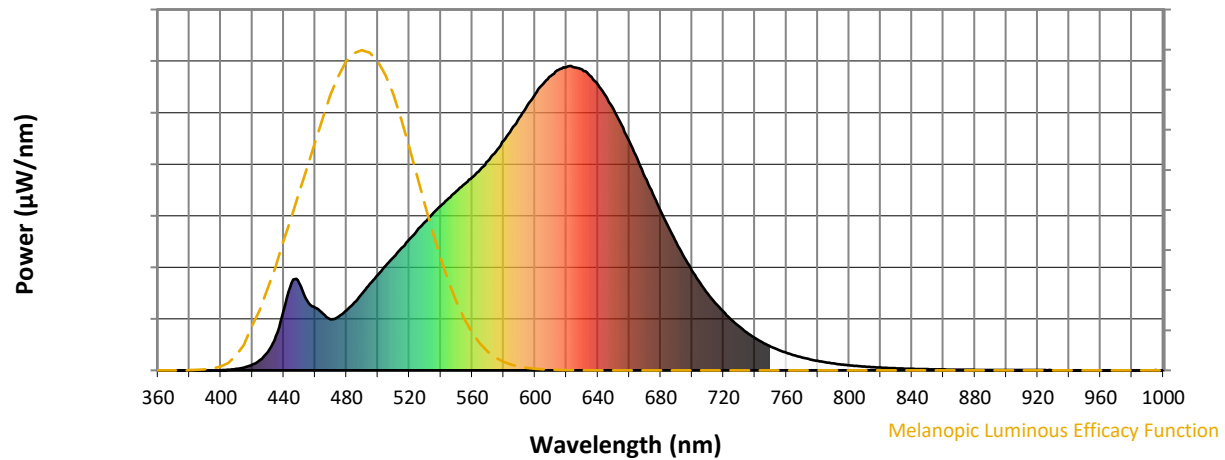
Scotopic Lumens: NR

S/P: 1.27

λ (nm)	Power 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	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

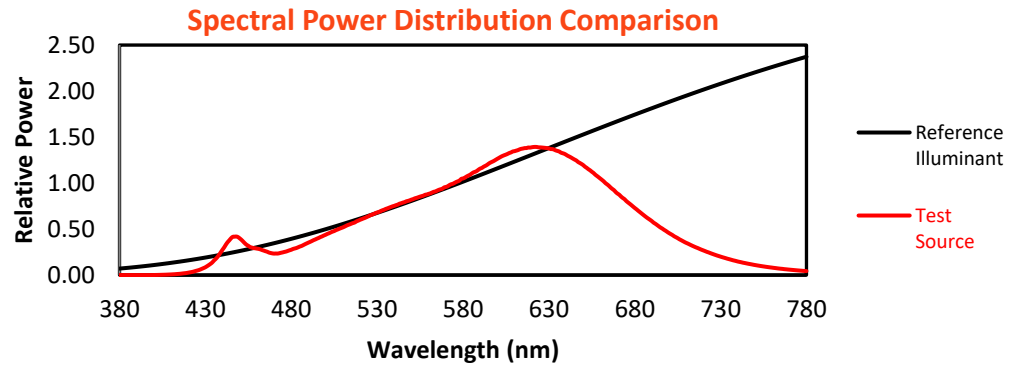
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	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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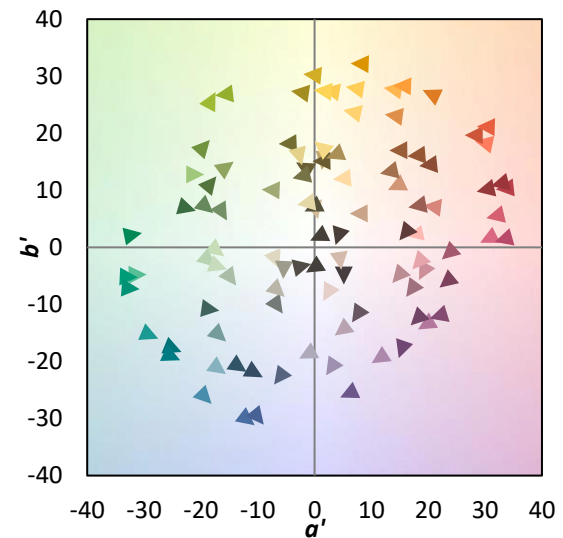
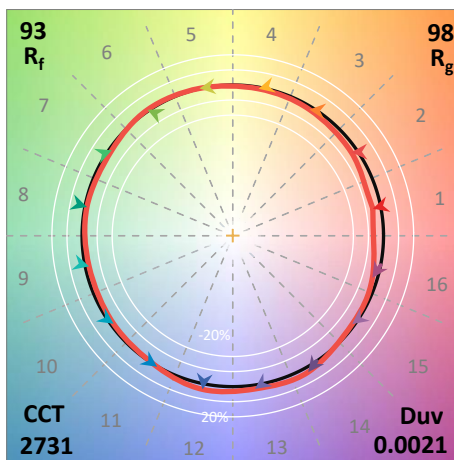
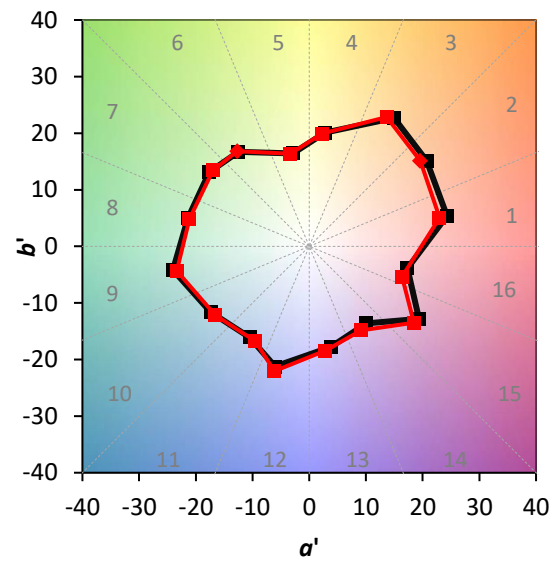
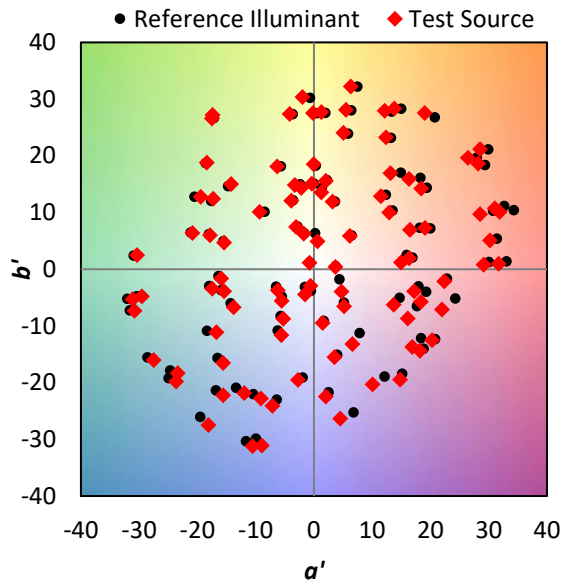
TM-30-18

Summary

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

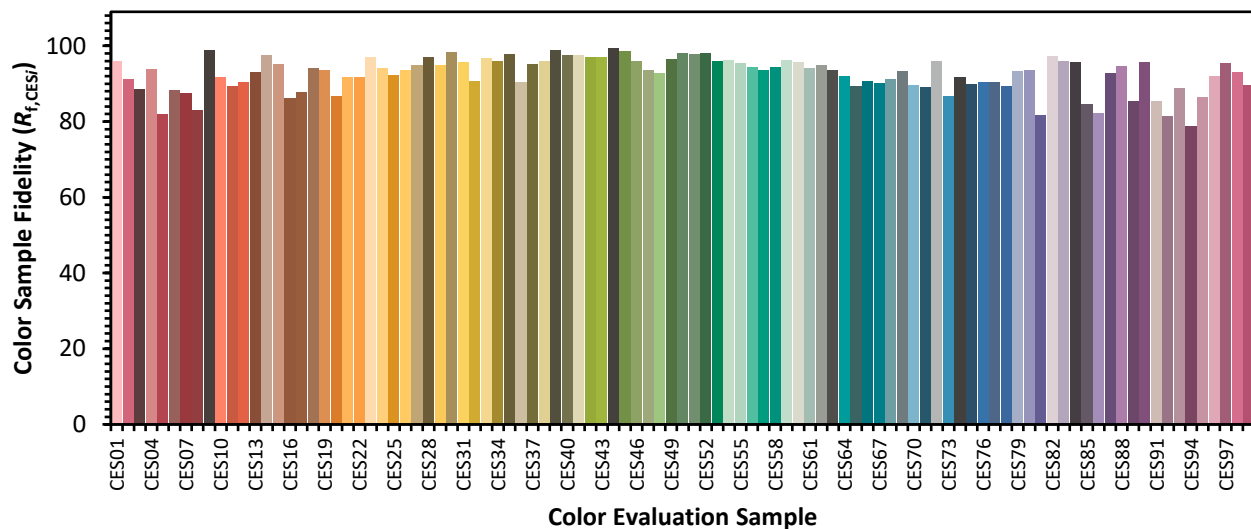


Color Vector Graphics

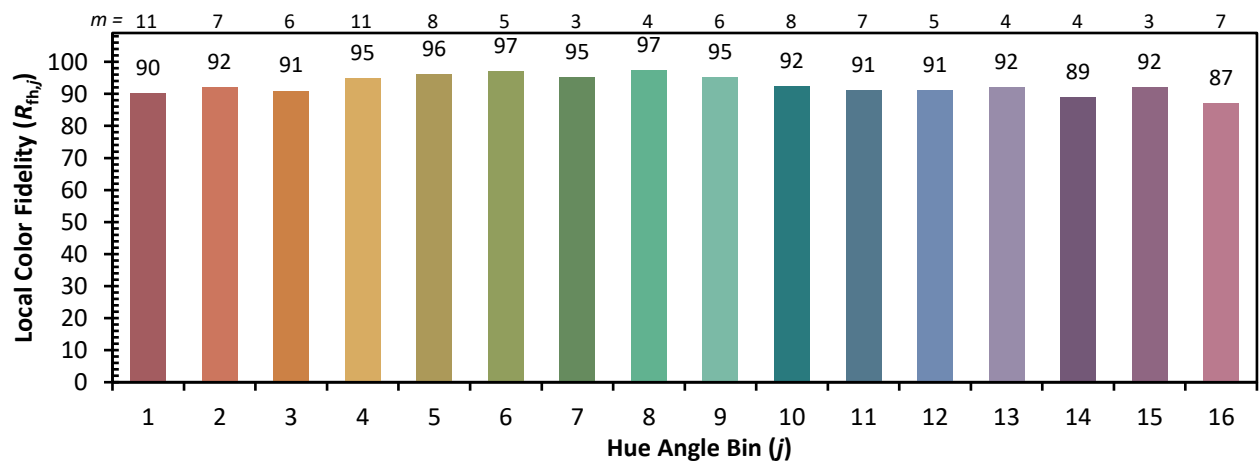
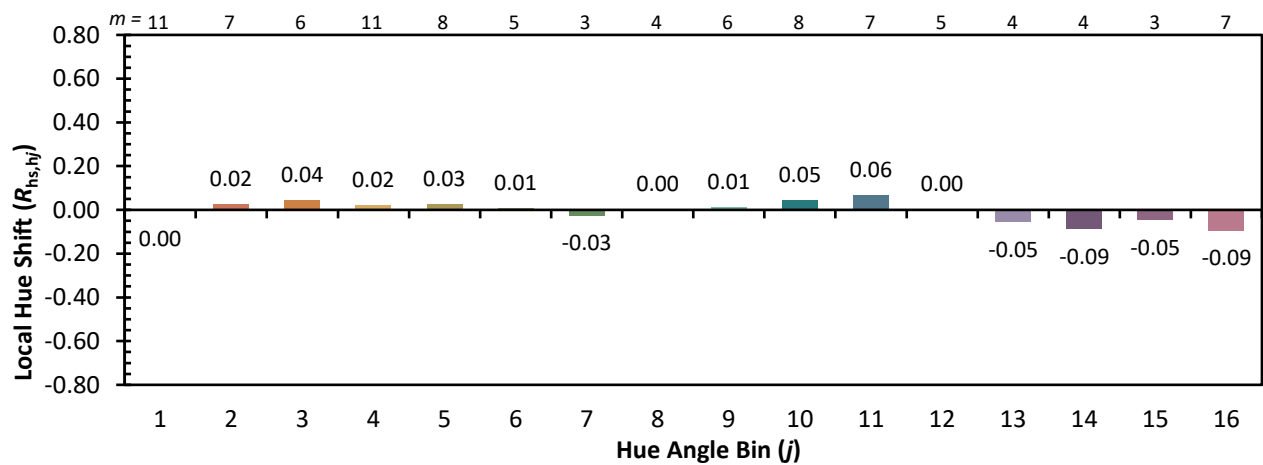
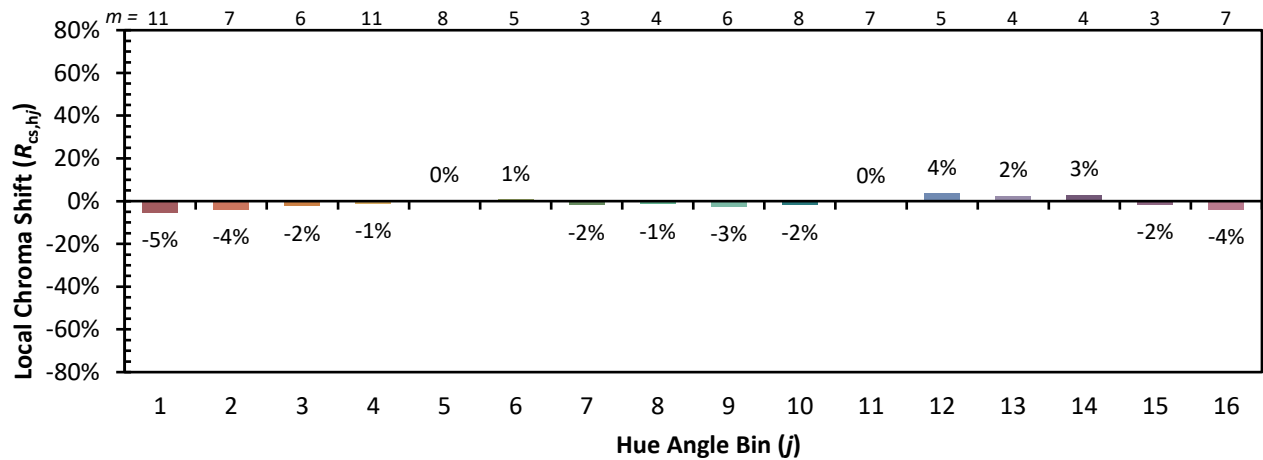


Individual Sample Fidelity Index ($R_{f,i}$)

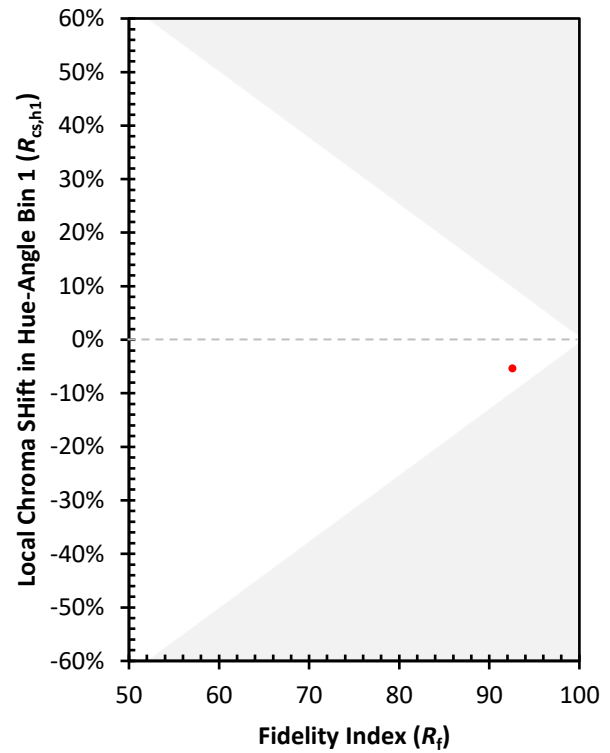
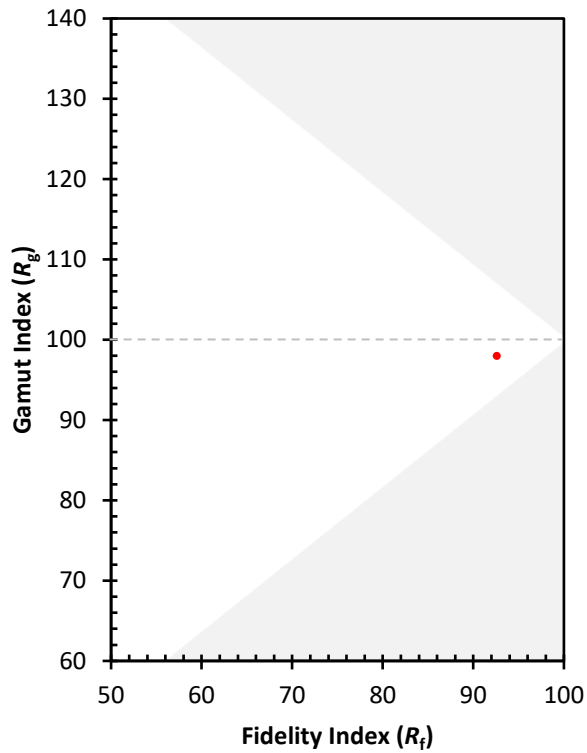
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 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)