

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: P1049634

Luminaire Tested: **GALN-SA8B-735-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049634
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8B-735-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 8xLight Square PACKAGE
70CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (112) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32068.2 lumens
Efficiency: N/A
Efficacy: 113.4 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): 282.8
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

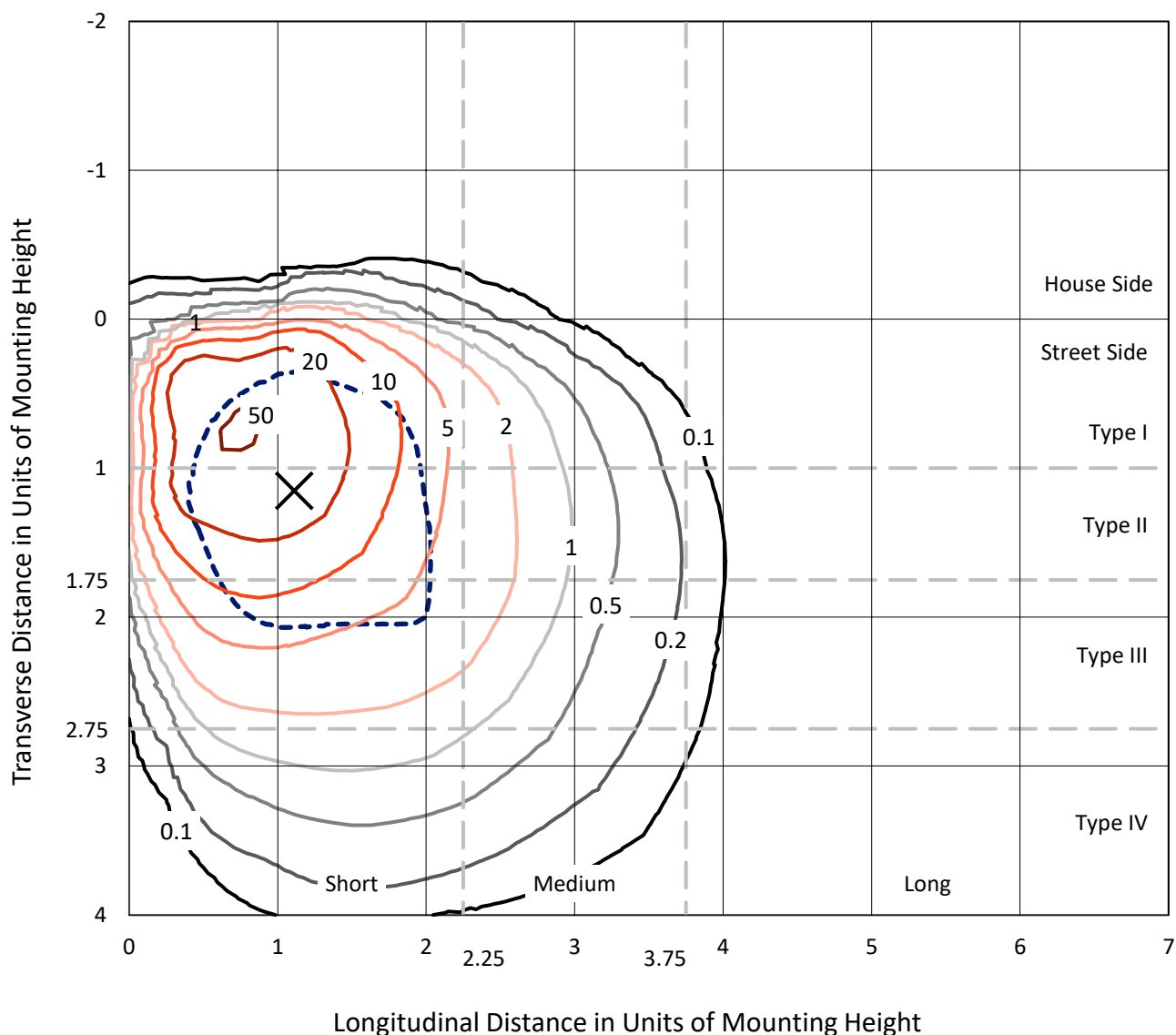
REPORT NUMBER: P1049634

CATALOG NUMBER: GALN-SA8B-735-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

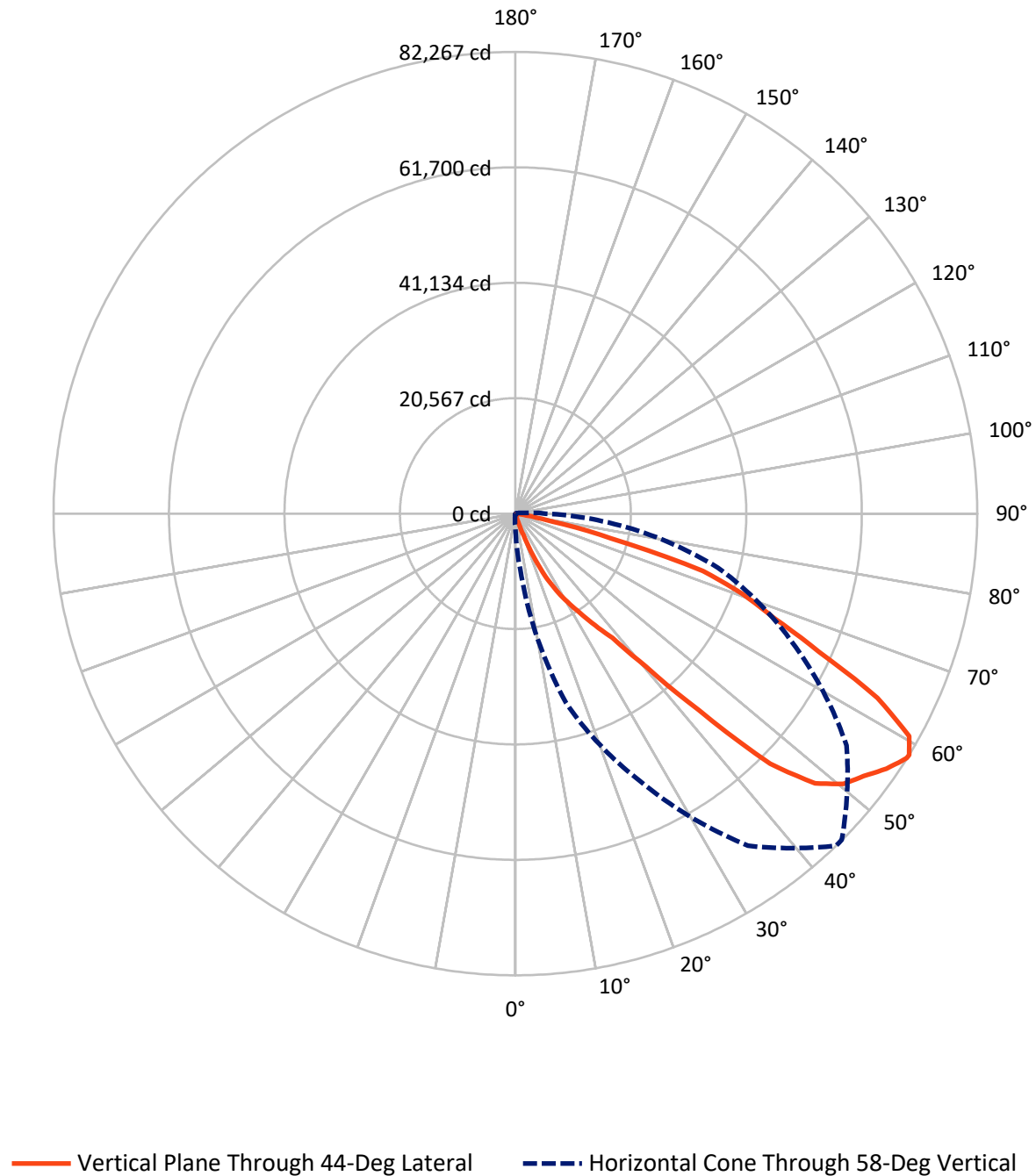
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 55.8 fc
 Type III - Short - N/A

REPORT NUMBER: P1049634
CATALOG NUMBER: GALN-SA8B-735-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049634

CATALOG NUMBER: GALN-SA8B-735-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	219.0	0.0	219.0
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	31849.2	0.0	31849.2
	% Fixture	99.3	0.0	99.3
Total	Lumens	32068.2	0.0	32068.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.0
10°-20°	70.3	0.2
20°-30°	759.7	2.4
30°-40°	2246.7	7.0
40°-50°	6696.3	20.9
50°-60°	10625.5	33.1
60°-70°	8862.9	27.6
70°-80°	2733.5	8.5
80°-90°	60.7	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°	32068.2	100.0
0°-180°	32068.2	100.0



REPORT NUMBER: P1049634

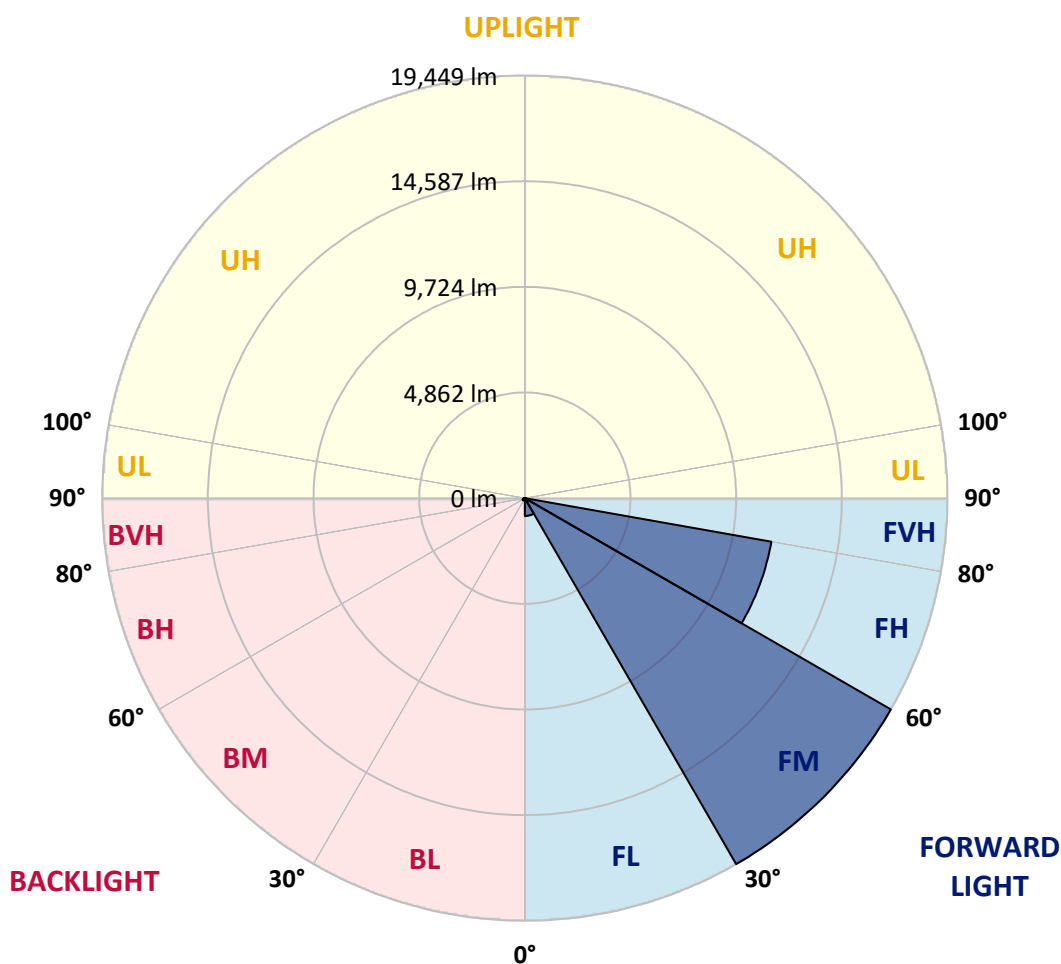
CATALOG NUMBER: GALN-SA8B-735-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	821.1	2.6			
FM	(30°-60°)	19448.7	60.6			
FH	(60°-80°)	11521.6	35.9			G4/12000
FVH	(80°-90°)	57.8	0.2			G1/100
BL	(0°-30°)	21.4	0.1	B0/110		
BM	(30°-60°)	119.8	0.4	B0/220		
BH	(60°-80°)	74.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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



REPORT NUMBER: P1049634

CATALOG NUMBER: GALN-SA8B-735-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
2.5°	181.7	181.7	174.4	164.7	155.0	145.3	142.9	138.1	135.7	133.2
5°	189.0	189.0	186.5	179.3	169.6	162.3	162.3	155.0	150.2	145.3
7.5°	193.8	196.2	201.1	198.6	193.8	186.5	186.5	181.7	174.4	162.3
10°	201.1	208.3	218.0	222.9	225.3	225.3	222.9	220.4	208.3	191.4
12.5°	208.3	222.9	247.1	271.3	285.9	305.2	302.8	298.0	266.5	230.1
15°	222.9	244.7	295.5	365.8	474.8	542.6	569.3	545.1	440.9	310.1
17.5°	239.8	276.2	428.8	765.5	1254.8	1487.4	1627.9	1514.0	1002.9	588.7
20°	256.8	336.7	797.0	1984.0	3255.8	4016.5	4227.2	3897.8	2502.4	1121.6
22.5°	285.9	472.4	1615.8	4101.3	7015.5	8156.5	8372.1	7318.3	4726.3	2214.1
25°	346.4	685.6	2785.8	6683.6	10469.9	12395.8	12306.2	10925.4	7667.1	3536.8
27.5°	433.6	998.1	4212.7	9496.1	13779.1	15477.2	15680.7	13972.9	10220.4	5201.1
30°	559.6	1383.2	5743.7	11749.0	16431.7	18267.9	18301.8	16535.8	12504.8	6661.8
32.5°	680.7	1746.6	7083.3	13926.8	19045.5	21058.6	21208.8	19035.8	14210.3	8183.1
35°	772.8	1984.0	8439.9	15840.6	21681.2	24454.9	24445.2	21865.3	16230.6	9542.1
37.5°	780.0	2221.4	9668.1	17797.9	25019.3	28125.0	28432.6	25588.6	18672.5	11223.3
40°	763.1	2487.9	11223.3	20850.3	31034.4	35799.4	36070.7	32485.4	23570.7	14101.2
42.5°	782.5	2950.6	13747.6	26487.4	41022.2	47865.7	48389.0	44619.6	32575.1	19973.3
45°	884.2	3820.2	19035.8	35918.1	55259.1	63602.1	63427.7	57999.0	43052.3	28912.3
47.5°	1220.9	5949.6	26875.0	45096.8	64358.0	71787.7	71937.9	65302.7	49166.6	35784.8
50°	1877.4	9103.7	33461.7	49949.1	68270.3	75724.2	75583.7	67916.6	51489.8	39169.0
52.5°	2441.9	11385.6	36765.9	51652.1	68771.7	77669.5	77659.8	68604.6	51850.7	39459.7
55°	2582.4	11557.6	36792.6	51744.1	69895.7	80215.5	80535.3	70297.9	52318.2	38190.4
57.5°	2526.6	10232.5	35256.7	52277.1	71896.7	82185.0	82201.9	71937.9	53505.3	37412.7
58°	2478.2	10024.2	34946.7	52579.9	72240.7	82267.3	82226.2	72013.0	54471.8	37383.7
60°	2206.9	8704.0	33737.8	53352.6	71729.6	80576.4	80191.3	70373.0	54328.9	37085.7
62.5°	1734.5	6790.2	32548.4	52458.7	66249.9	72390.9	72550.8	62303.7	49527.6	35348.8
65°	1380.8	5060.6	30067.8	46015.0	54554.2	59447.6	60043.5	50663.7	41339.6	29932.1
67.5°	1099.8	3657.9	25222.8	36635.1	43168.5	49614.8	50048.4	42536.3	32027.6	22933.6
70°	893.9	2473.3	17410.3	26792.6	35605.6	42853.6	42880.3	35336.7	23905.0	15026.6
72.5°	792.2	1712.7	10106.6	19539.7	28871.1	34920.0	34215.1	28674.9	18372.1	8900.2
75°	685.6	1136.1	4956.4	11945.2	17504.8	17623.5	17892.4	13301.8	9183.6	4232.1
77.5°	564.4	806.7	1952.5	3263.1	5249.5	6720.0	6969.5	5281.0	3054.7	1041.7
80°	387.6	382.8	525.7	1000.5	1501.9	1882.3	1756.3	1359.0	799.4	399.7
82.5°	167.2	181.7	237.4	285.9	232.6	225.3	215.6	138.1	106.6	82.4
85°	53.3	48.4	50.9	50.9	41.2	31.5	31.5	14.5	0.0	0.0
87.5°	26.6	21.8	21.8	19.4	12.1	4.8	2.4	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



REPORT NUMBER: P1049634

CATALOG NUMBER: GALN-SA8B-735-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
140.5	0°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
130.8	2.5°	128.4	128.4	123.5	118.7	116.3	111.4	109.0	106.6	104.2	101.7
140.5	5°	135.7	133.2	126.0	118.7	111.4	104.2	99.3	94.5	89.6	87.2
155.0	7.5°	147.8	142.9	128.4	116.3	106.6	96.9	92.1	84.8	79.9	72.7
172.0	10°	162.3	152.6	133.2	118.7	104.2	92.1	84.8	77.5	70.3	60.6
196.2	12.5°	181.7	164.7	140.5	116.3	99.3	84.8	77.5	67.8	60.6	53.3
227.7	15°	198.6	176.8	142.9	116.3	94.5	77.5	67.8	58.1	50.9	41.2
285.9	17.5°	222.9	186.5	140.5	109.0	87.2	67.8	58.1	50.9	38.8	24.2
423.9	20°	264.1	193.8	135.7	101.7	75.1	55.7	43.6	33.9	17.0	4.8
637.1	22.5°	329.5	213.2	130.8	92.1	65.4	43.6	29.1	12.1	0.0	0.0
969.0	25°	455.4	247.1	130.8	87.2	58.1	31.5	9.7	0.0	0.0	0.0
1376.0	27.5°	605.6	293.1	130.8	75.1	46.0	17.0	0.0	0.0	0.0	0.0
1875.0	30°	758.2	344.0	130.8	65.4	36.3	2.4	0.0	0.0	0.0	0.0
2308.6	32.5°	903.6	387.6	133.2	55.7	24.2	0.0	0.0	0.0	0.0	0.0
2909.4	35°	1051.4	394.9	130.8	48.4	14.5	0.0	0.0	0.0	0.0	0.0
3645.8	37.5°	1240.3	380.3	123.5	43.6	7.3	0.0	0.0	0.0	0.0	0.0
4796.5	40°	1526.2	387.6	116.3	41.2	2.4	0.0	0.0	0.0	0.0	0.0
6848.3	42.5°	2054.3	419.1	106.6	41.2	0.0	0.0	0.0	0.0	0.0	0.0
10908.4	45°	3551.4	562.0	96.9	43.6	0.0	0.0	0.0	0.0	0.0	0.0
16375.9	47.5°	5874.5	1010.2	94.5	43.6	0.0	0.0	0.0	0.0	0.0	0.0
19726.2	50°	7497.6	1271.8	99.3	46.0	0.0	0.0	0.0	0.0	0.0	0.0
20145.3	52.5°	7485.5	1417.1	104.2	48.4	9.7	0.0	0.0	0.0	0.0	0.0
18568.3	55°	6654.5	1443.8	111.4	53.3	31.5	0.0	0.0	0.0	0.0	0.0
15956.9	57.5°	5562.0	1317.8	128.4	65.4	58.1	0.0	0.0	0.0	0.0	0.0
15547.5	58°	5368.2	1259.7	133.2	67.8	63.0	0.0	0.0	0.0	0.0	0.0
13485.9	60°	4399.2	1027.1	169.6	84.8	84.8	0.0	0.0	0.0	0.0	0.0
11056.2	62.5°	3037.8	896.3	193.8	109.0	87.2	0.0	0.0	0.0	0.0	0.0
8151.6	65°	2148.7	809.1	210.8	116.3	70.3	0.0	0.0	0.0	0.0	0.0
5792.1	67.5°	1606.1	746.1	232.6	118.7	36.3	0.0	0.0	0.0	0.0	0.0
3633.7	70°	1230.6	700.1	285.9	126.0	9.7	0.0	0.0	0.0	0.0	0.0
2165.7	72.5°	1002.9	646.8	346.4	130.8	0.0	0.0	0.0	0.0	0.0	0.0
1298.4	75°	830.9	583.8	334.3	142.9	0.0	0.0	0.0	0.0	0.0	0.0
692.8	77.5°	552.3	453.0	305.2	142.9	0.0	0.0	0.0	0.0	0.0	0.0
247.1	80°	193.8	179.3	237.4	126.0	0.0	0.0	0.0	0.0	0.0	0.0
50.9	82.5°	29.1	24.2	33.9	43.6	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

REPORT NUMBER: P1049634

CATALOG NUMBER: GALN-SA8B-735-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
140.5	0°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
99.3	2.5°	99.3	99.3	96.9	99.3	99.3	104.2	116.3	133.2	152.6	159.9
84.8	5°	82.4	79.9	77.5	77.5	77.5	84.8	94.5	113.9	135.7	145.3
70.3	7.5°	67.8	65.4	63.0	60.6	60.6	65.4	77.5	99.3	121.1	130.8
58.1	10°	55.7	50.9	48.4	46.0	46.0	50.9	63.0	84.8	109.0	118.7
48.4	12.5°	46.0	38.8	33.9	31.5	29.1	36.3	48.4	67.8	94.5	106.6
36.3	15°	31.5	24.2	17.0	14.5	12.1	19.4	31.5	53.3	79.9	94.5
19.4	17.5°	17.0	7.3	2.4	0.0	0.0	4.8	14.5	38.8	65.4	77.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	48.4	60.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	29.1	41.2
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	21.8
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
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	7.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	19.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049634

CATALOG NUMBER: GALN-SA8B-735-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
140.5	0°	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5
167.2	2.5°	172.0	169.6	164.7	159.9	159.9	159.9	167.2	174.4	181.7	181.7
150.2	5°	159.9	159.9	157.5	152.6	152.6	155.0	164.7	176.8	186.5	189.0
138.1	7.5°	147.8	152.6	147.8	145.3	147.8	150.2	159.9	174.4	189.0	193.8
128.4	10°	140.5	142.9	142.9	140.5	140.5	145.3	155.0	174.4	193.8	201.1
116.3	12.5°	130.8	135.7	133.2	133.2	133.2	138.1	150.2	172.0	198.6	208.3
104.2	15°	121.1	128.4	128.4	126.0	126.0	128.4	145.3	169.6	205.9	222.9
89.6	17.5°	111.4	118.7	121.1	116.3	116.3	121.1	138.1	169.6	210.8	239.8
72.7	20°	92.1	104.2	111.4	104.2	104.2	109.0	126.0	159.9	213.2	256.8
53.3	22.5°	72.7	84.8	94.5	92.1	92.1	94.5	116.3	152.6	215.6	285.9
31.5	25°	53.3	65.4	72.7	77.5	77.5	84.8	106.6	147.8	225.3	346.4
14.5	27.5°	31.5	46.0	55.7	60.6	63.0	72.7	99.3	142.9	242.2	433.6
0.0	30°	14.5	26.6	38.8	48.4	48.4	65.4	92.1	138.1	264.1	559.6
0.0	32.5°	0.0	12.1	19.4	33.9	36.3	53.3	84.8	133.2	295.5	680.7
0.0	35°	0.0	0.0	9.7	26.6	26.6	43.6	77.5	128.4	344.0	772.8
0.0	37.5°	0.0	0.0	0.0	19.4	21.8	38.8	75.1	126.0	353.7	780.0
0.0	40°	0.0	0.0	0.0	14.5	17.0	36.3	75.1	128.4	319.8	763.1
0.0	42.5°	0.0	0.0	0.0	9.7	12.1	36.3	75.1	133.2	288.3	782.5
0.0	45°	0.0	0.0	0.0	7.3	9.7	38.8	72.7	130.8	271.3	884.2
0.0	47.5°	0.0	0.0	0.0	9.7	14.5	38.8	70.3	128.4	273.7	1220.9
0.0	50°	0.0	0.0	0.0	12.1	17.0	38.8	72.7	123.5	300.4	1877.4
0.0	52.5°	0.0	0.0	0.0	9.7	14.5	43.6	79.9	121.1	327.0	2441.9
0.0	55°	0.0	0.0	0.0	2.4	7.3	55.7	87.2	121.1	368.2	2582.4
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	63.0	99.3	128.4	436.0	2526.6
0.0	58°	0.0	0.0	0.0	0.0	0.0	63.0	101.7	128.4	440.9	2478.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	63.0	111.4	142.9	474.8	2206.9
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	53.3	133.2	179.3	494.2	1734.5
0.0	65°	0.0	0.0	0.0	0.0	0.0	43.6	157.5	196.2	508.7	1380.8
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	41.2	162.3	198.6	516.0	1099.8
0.0	70°	0.0	0.0	0.0	0.0	0.0	43.6	159.9	213.2	540.2	893.9
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	48.4	145.3	235.0	540.2	792.2
0.0	75°	0.0	0.0	0.0	0.0	0.0	50.9	135.7	264.1	491.8	685.6
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	48.4	133.2	307.7	438.5	564.4
0.0	80°	4.8	7.3	7.3	4.8	4.8	41.2	130.8	312.5	373.1	387.6
2.4	82.5°	14.5	19.4	17.0	12.1	12.1	36.3	116.3	261.6	193.8	167.2
14.5	85°	26.6	31.5	31.5	26.6	26.6	33.9	72.7	94.5	65.4	53.3
26.6	87.5°	36.3	41.2	41.2	36.3	36.3	33.9	31.5	29.1	26.6	26.6
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

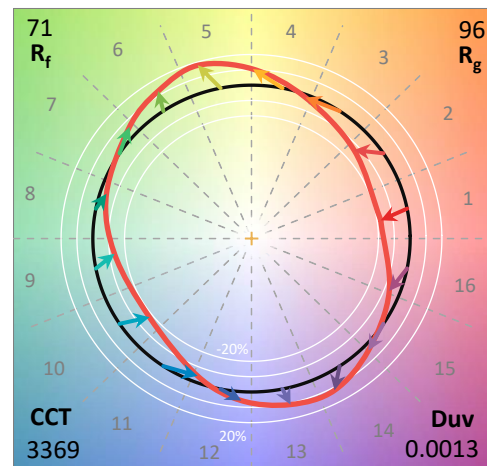
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

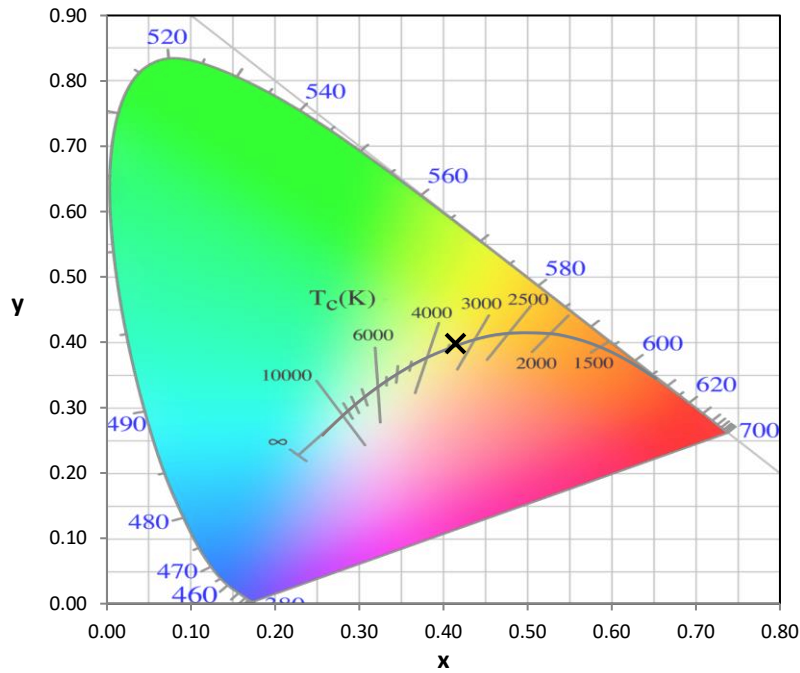
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

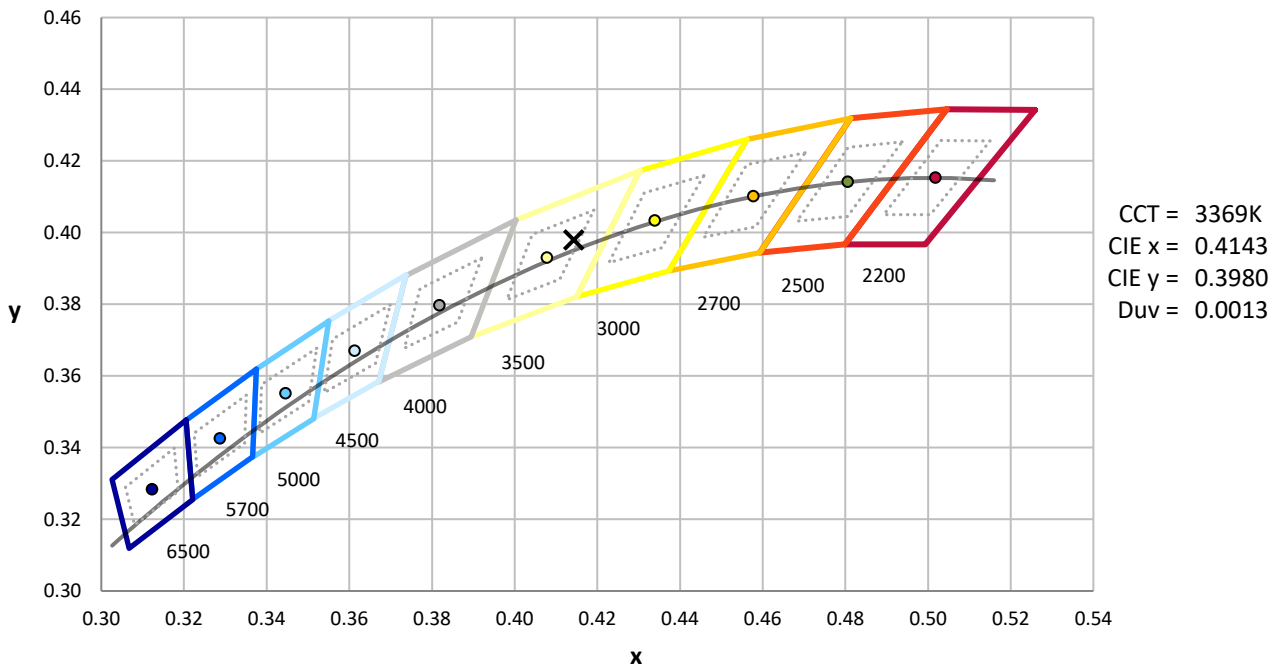
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



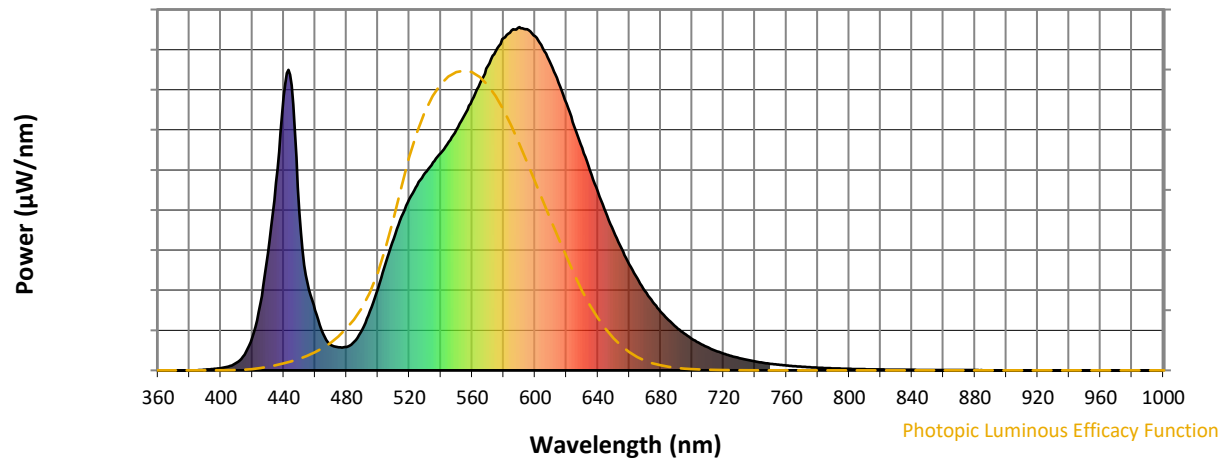
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

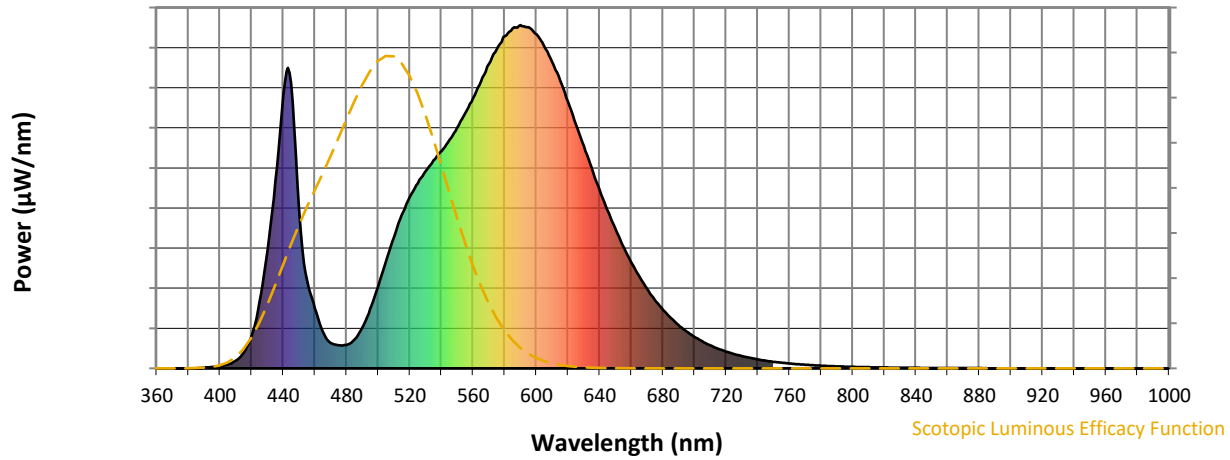


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength



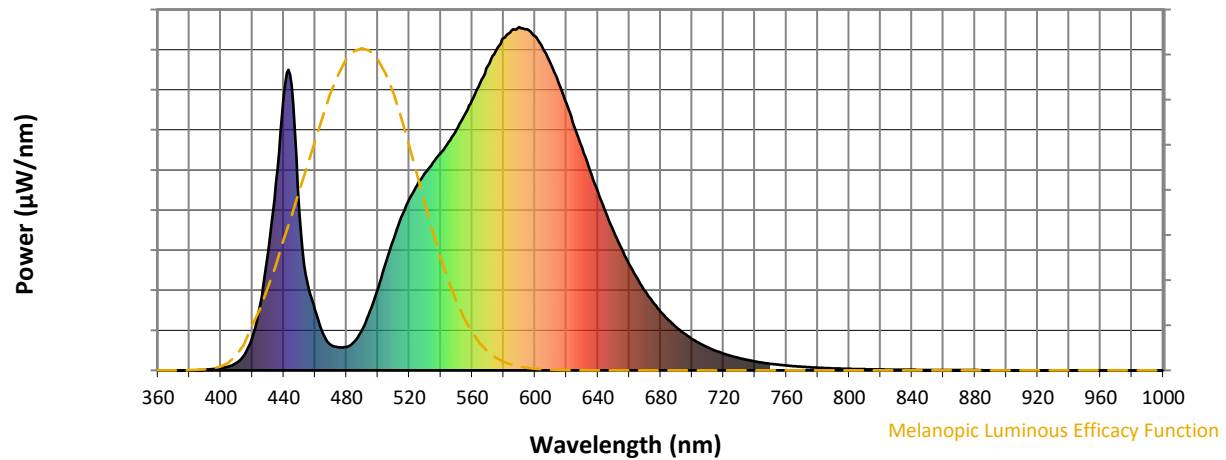
Scotopic Lumens: NR

S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.36

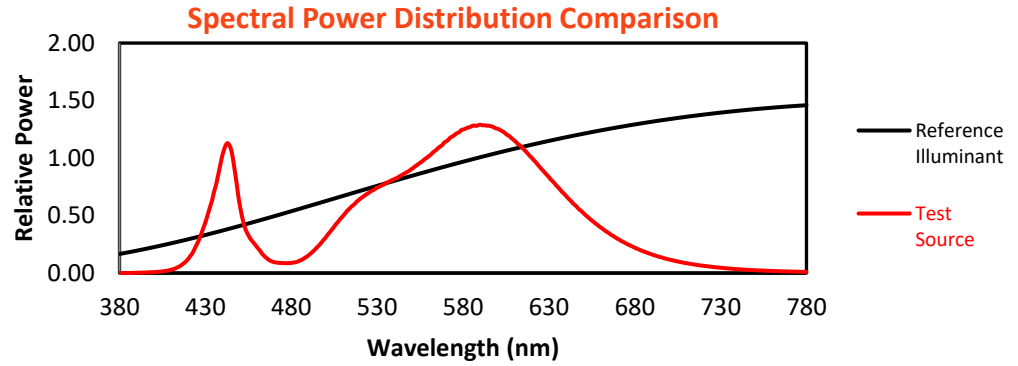
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

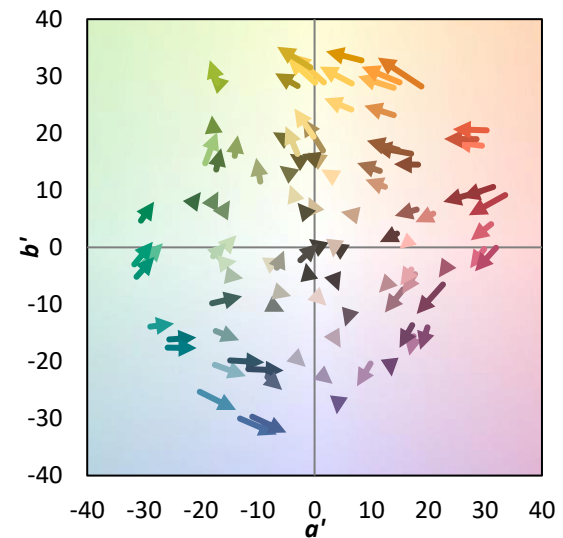
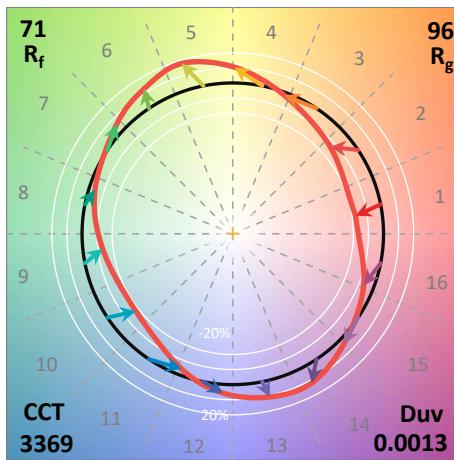
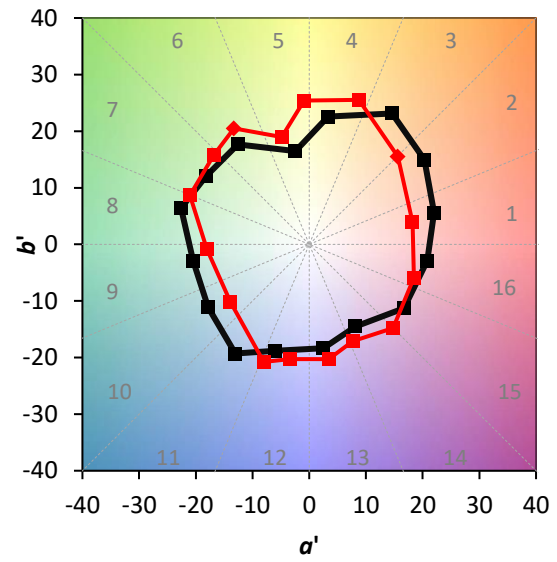
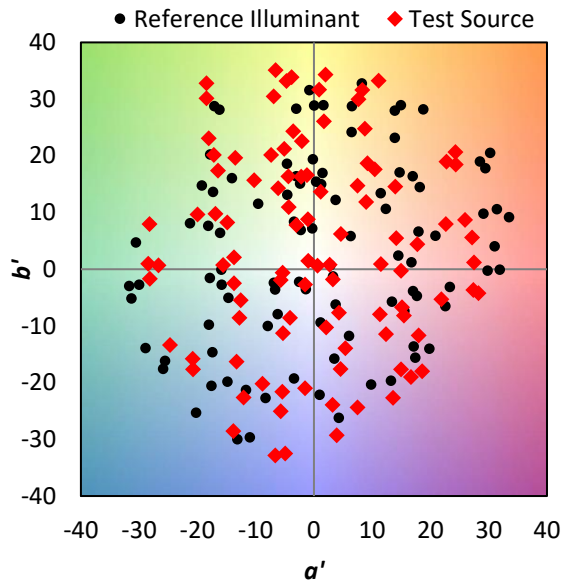
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 CIE $R_a = 70.1$
 $R_g = -40.2$

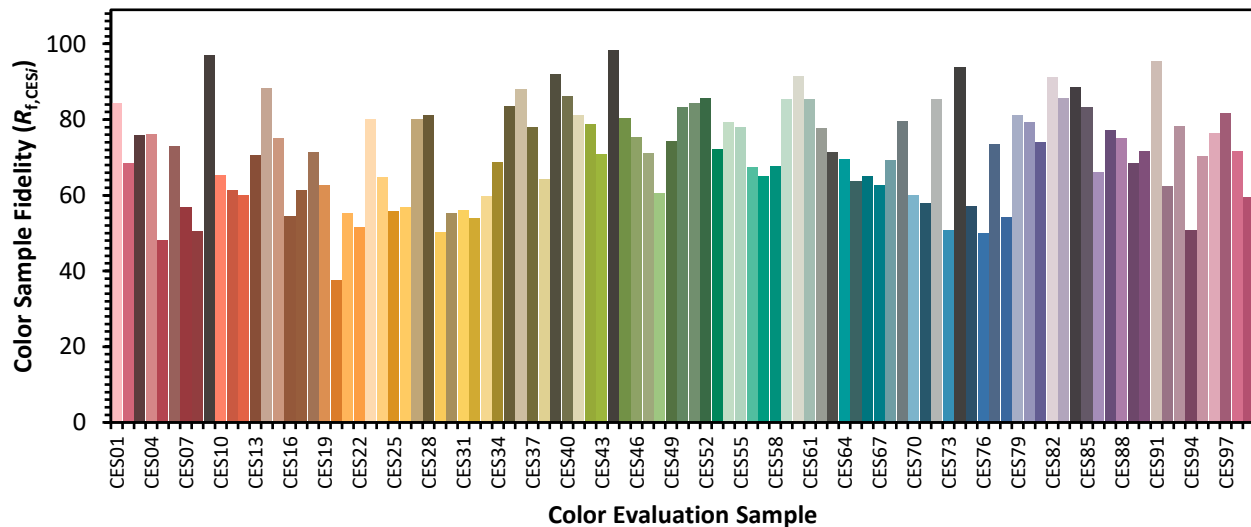


Color Vector Graphics

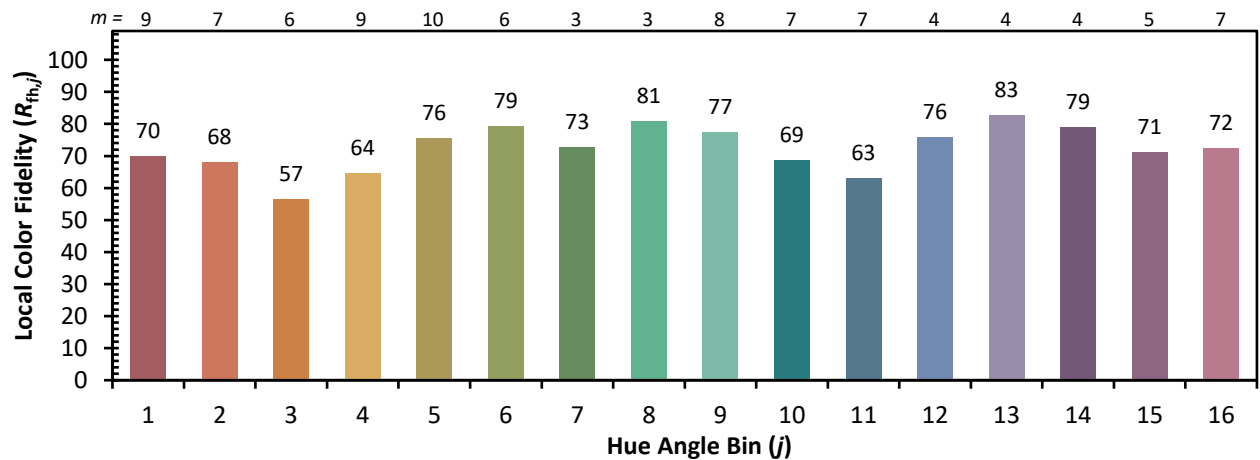
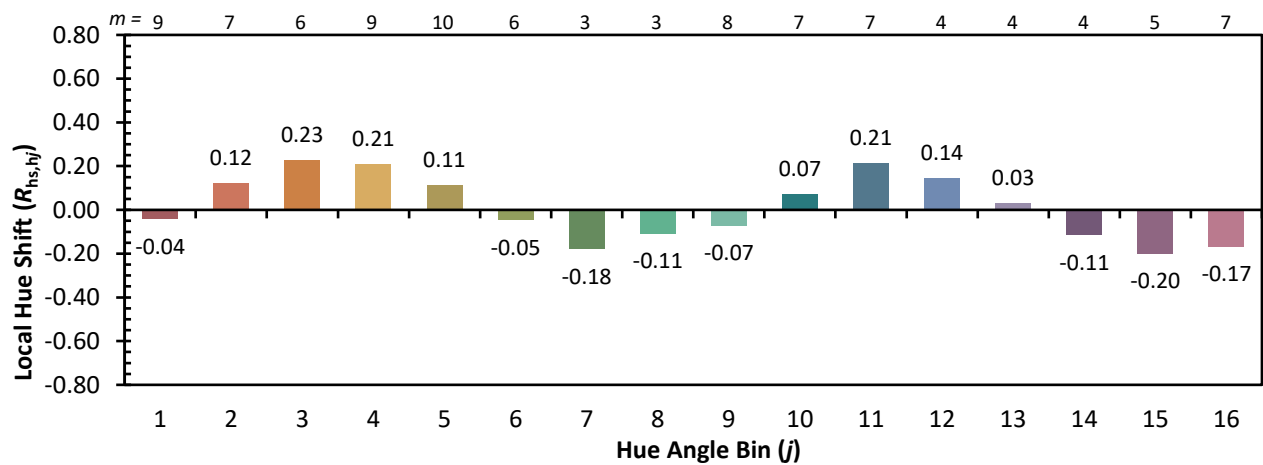
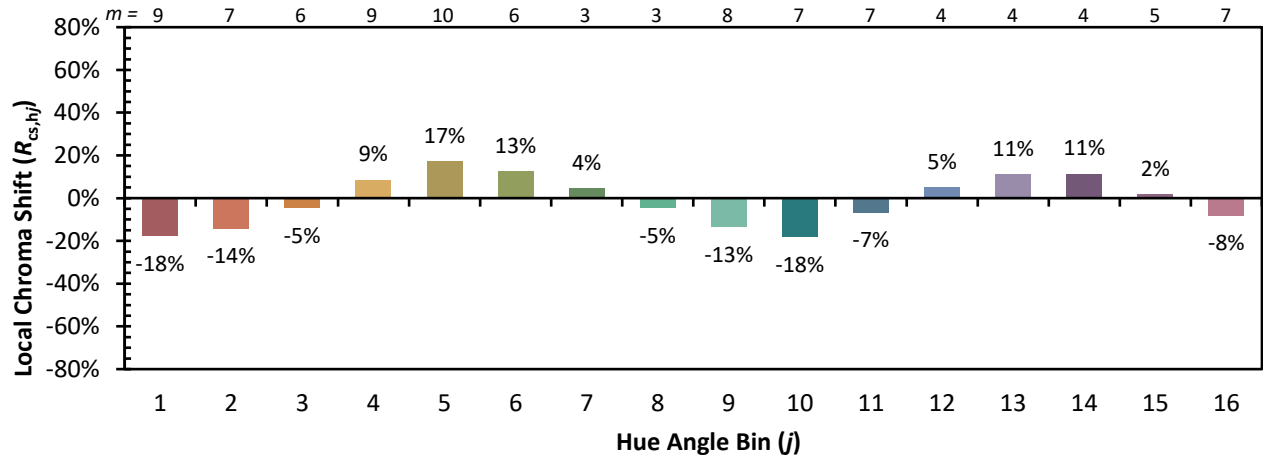


Individual Sample Fidelity Index ($R_{f,i}$)

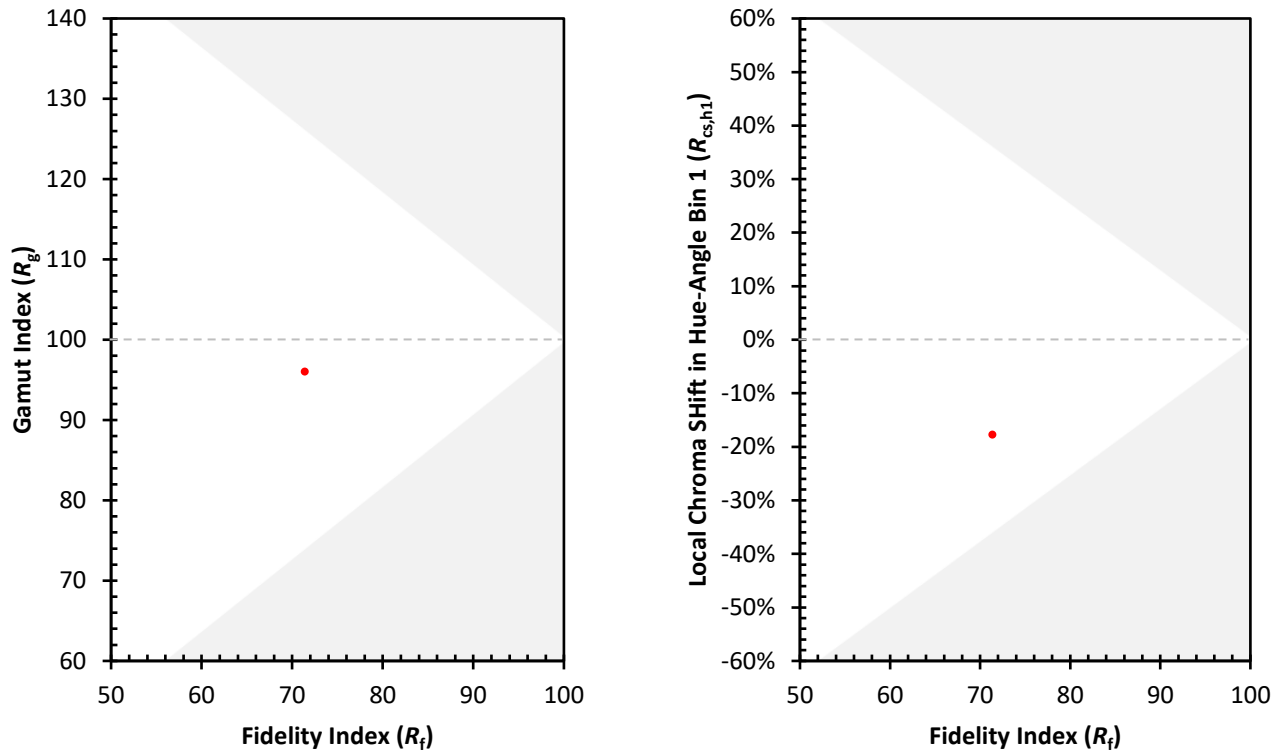
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)