

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: P1065294

Luminaire Tested: **GLAN-SA5B-750-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065294
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-750-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
70CRI 5000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20404.4 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

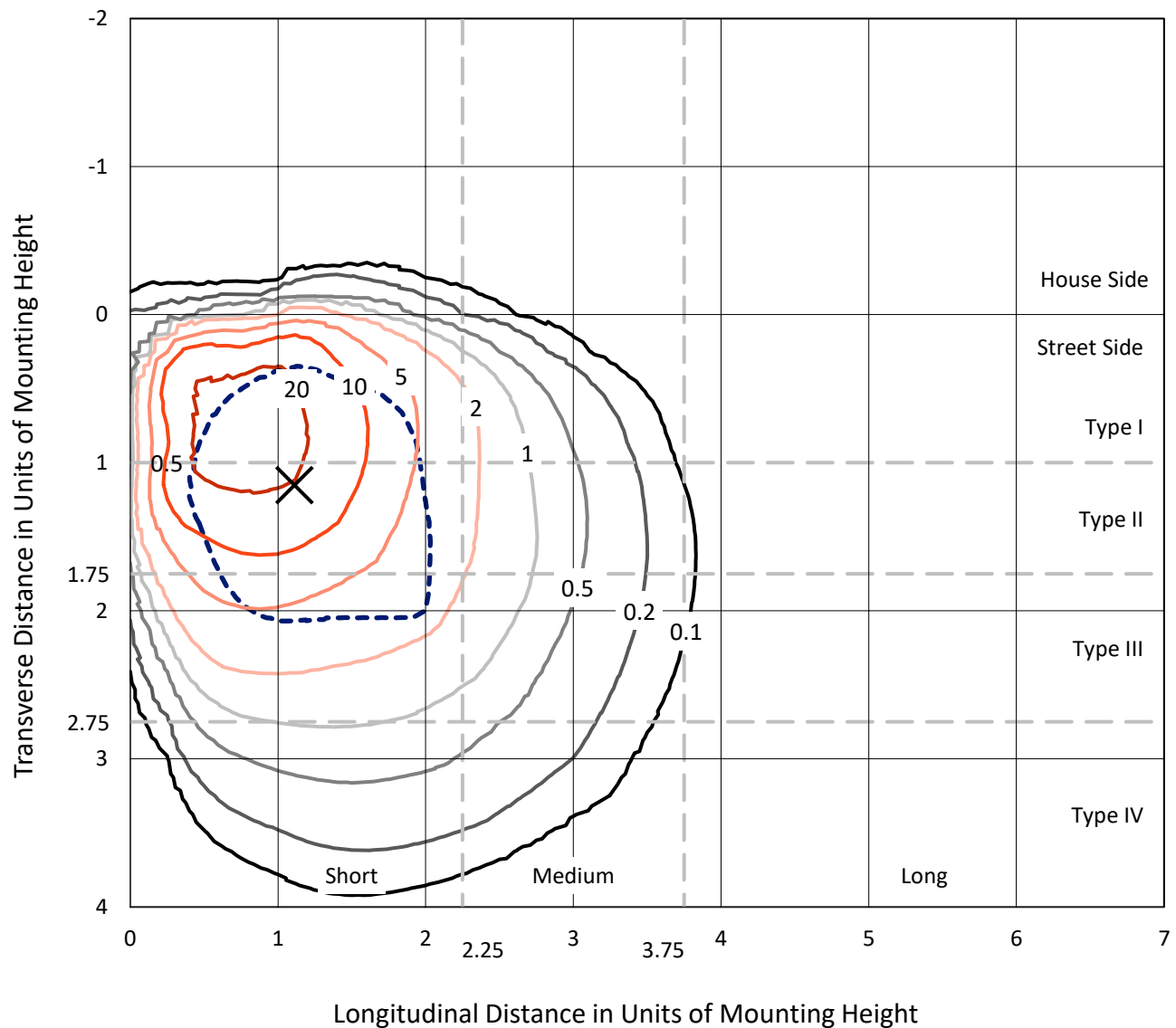
Input Watts (W): 178.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

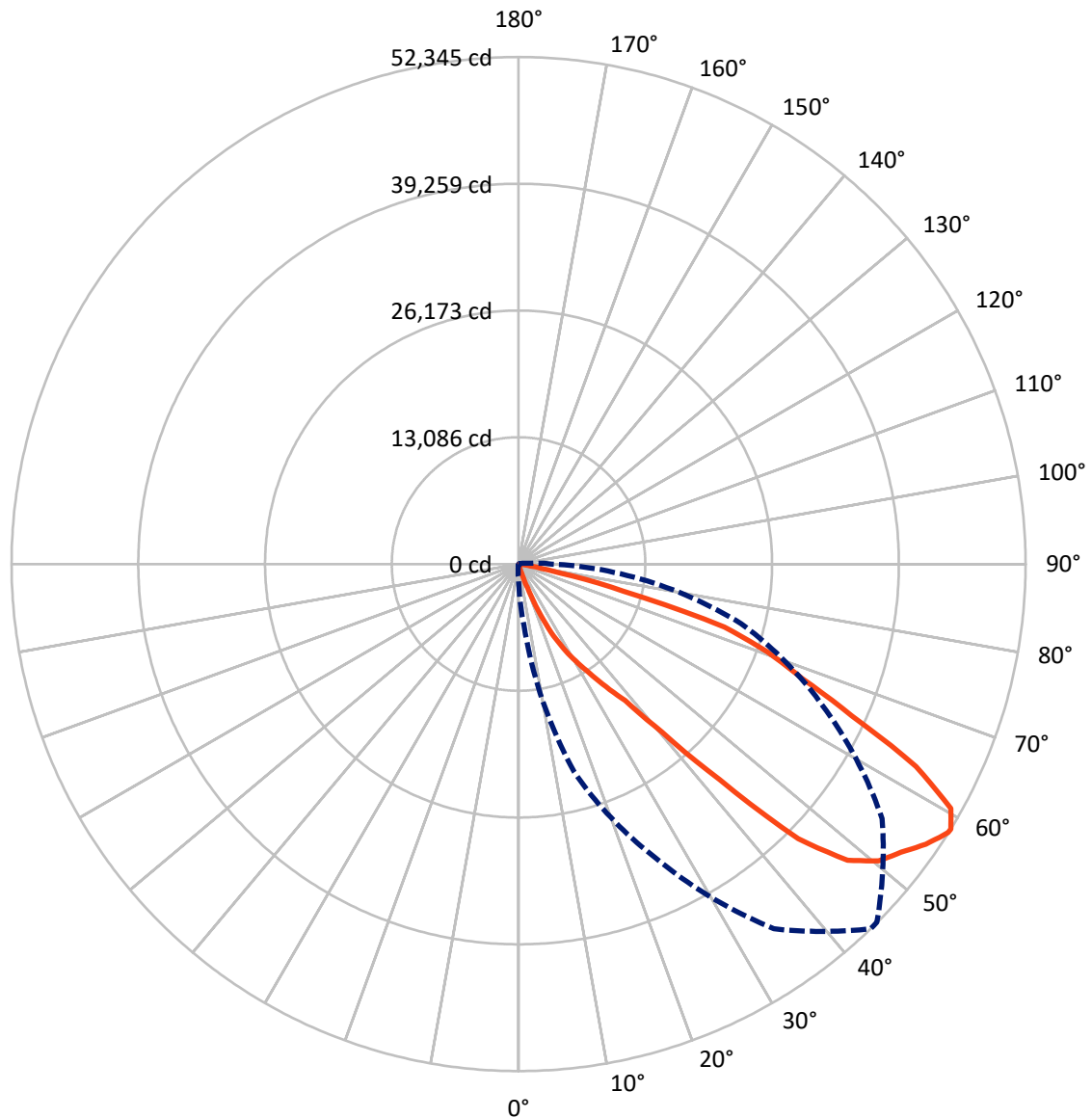


Based on 20 foot mounting height. Maximum calculated value = 35.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	139.3	0.0	139.3
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	20265.0	0.0	20265.0
	% Fixture	99.3	0.0	99.3
Total	Lumens	20404.4	0.0	20404.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.0
10°-20°	44.7	0.2
20°-30°	483.4	2.4
30°-40°	1429.5	7.0
40°-50°	4260.8	20.9
50°-60°	6760.8	33.1
60°-70°	5639.3	27.6
70°-80°	1739.3	8.5
80°-90°	38.6	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°	20404.4	100.0
0°-180°	20404.4	100.0

Coefficient of Utilization



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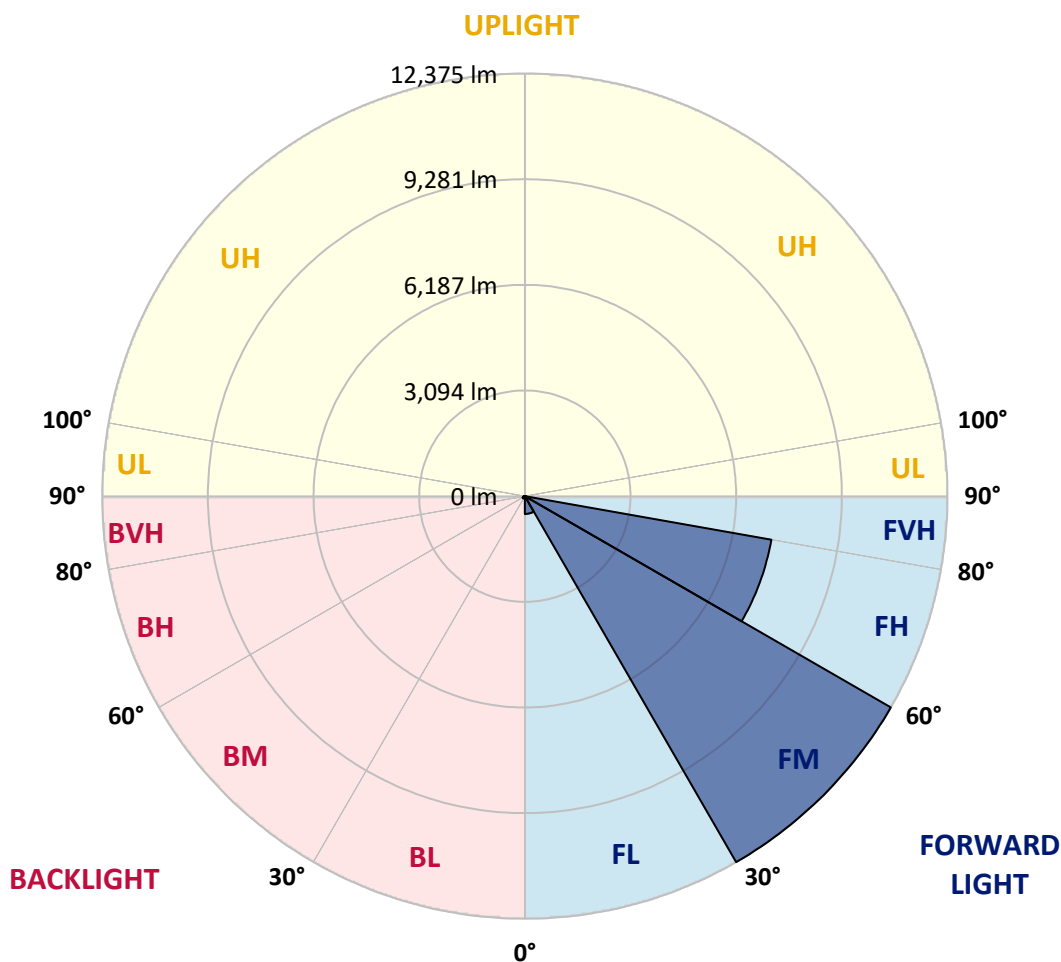
CATALOG NUMBER: GLAN-SA5B-750-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	522.5	2.6			
FM	(30°-60°)	12374.8	60.6			
FH	(60°-80°)	7331.0	35.9			G3/7500
FVH	(80°-90°)	36.8	0.2			G1/100
BL	(0°-30°)	13.6	0.1	B0/110		
BM	(30°-60°)	76.3	0.4	B0/220		
BH	(60°-80°)	47.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2.5°	115.6	115.6	111.0	104.8	98.6	92.5	90.9	87.9	86.3	84.8
5°	120.2	120.2	118.7	114.1	107.9	103.3	103.3	98.6	95.6	92.5
7.5°	123.3	124.9	127.9	126.4	123.3	118.7	118.7	115.6	111.0	103.3
10°	127.9	132.6	138.7	141.8	143.3	143.3	141.8	140.3	132.6	121.8
12.5°	132.6	141.8	157.2	172.6	181.9	194.2	192.7	189.6	169.6	146.4
15°	141.8	155.7	188.0	232.7	302.1	345.3	362.2	346.8	280.5	197.3
17.5°	152.6	175.7	272.8	487.1	798.4	946.4	1035.8	963.4	638.1	374.6
20°	163.4	214.3	507.1	1262.4	2071.6	2555.6	2689.7	2480.1	1592.2	713.7
22.5°	181.9	300.6	1028.1	2609.5	4463.8	5189.8	5327.0	4656.5	3007.2	1408.8
25°	220.4	436.2	1772.6	4252.7	6661.8	7887.2	7830.2	6951.6	4878.5	2250.4
27.5°	275.9	635.0	2680.5	6042.2	8767.3	9847.9	9977.3	8890.7	6503.1	3309.3
30°	356.1	880.1	3654.6	7475.7	10455.2	11623.5	11645.1	10521.4	7956.6	4238.8
32.5°	433.1	1111.3	4507.0	8861.4	12118.3	13399.2	13494.7	12112.1	9041.7	5206.8
35°	491.7	1262.4	5370.2	10079.1	13795.3	15560.2	15554.0	13912.5	10327.2	6071.5
37.5°	496.3	1413.4	6151.6	11324.5	15919.3	17895.4	18091.1	16281.6	11880.9	7141.2
40°	485.5	1583.0	7141.2	13266.6	19746.6	22778.5	22951.1	20669.9	14997.6	8972.3
42.5°	497.9	1877.4	8747.3	16853.4	26101.7	30456.0	30789.0	28390.6	20726.9	12708.6
45°	562.6	2430.7	12112.1	22854.0	35160.3	40468.8	40357.8	36903.6	27393.3	18396.3
47.5°	776.9	3785.6	17100.0	28694.3	40949.7	45677.1	45772.7	41550.9	31283.8	22769.2
50°	1194.6	5792.5	21291.0	31781.6	43439.1	48181.9	48092.5	43214.0	32761.9	24922.5
52.5°	1553.7	7244.5	23393.5	32865.2	43758.1	49419.6	49413.4	43651.8	32991.6	25107.5
55°	1643.1	7353.9	23410.4	32923.8	44473.3	51039.6	51243.0	44729.2	33289.1	24299.8
57.5°	1607.7	6510.8	22433.2	33262.9	45746.5	52292.7	52303.5	45772.7	34044.4	23805.0
58°	1576.8	6378.2	22235.9	33455.6	45965.4	52345.1	52318.9	45820.5	34659.4	23786.5
60°	1404.2	5538.2	21466.7	33947.3	45640.1	51269.2	51024.2	44777.0	34568.4	23596.9
62.5°	1103.6	4320.5	20709.9	33378.5	42153.5	46060.9	46162.7	39642.6	31513.4	22491.8
65°	878.6	3219.9	19131.6	29278.4	34711.8	37825.4	38204.5	32236.3	26303.6	19045.2
67.5°	699.8	2327.5	16048.8	23310.2	27467.3	31568.9	31844.8	27065.0	20378.5	14592.2
70°	568.8	1573.7	11077.9	17047.6	22655.1	27266.9	27283.9	22484.0	15210.3	9561.2
72.5°	504.0	1089.8	6430.6	12432.7	18370.1	22218.9	21770.4	18245.3	11689.8	5663.0
75°	436.2	722.9	3153.7	7600.5	11138.0	11213.5	11384.6	8463.7	5843.4	2692.8
77.5°	359.1	513.3	1242.3	2076.2	3340.2	4275.8	4434.5	3360.2	1943.7	662.8
80°	246.6	243.5	334.5	636.6	955.7	1197.6	1117.5	864.7	508.7	254.3
82.5°	106.4	115.6	151.1	181.9	148.0	143.3	137.2	87.9	67.8	52.4
85°	33.9	30.8	32.4	32.4	26.2	20.0	20.0	9.2	0.0	0.0
87.5°	17.0	13.9	13.9	12.3	7.7	3.1	1.5	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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CATALOG NUMBER: GLAN-SA5B-750-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
89.4	0°	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
83.2	2.5°	81.7	81.7	78.6	75.5	74.0	70.9	69.4	67.8	66.3	64.7
89.4	5°	86.3	84.8	80.2	75.5	70.9	66.3	63.2	60.1	57.0	55.5
98.6	7.5°	94.0	90.9	81.7	74.0	67.8	61.7	58.6	53.9	50.9	46.2
109.4	10°	103.3	97.1	84.8	75.5	66.3	58.6	53.9	49.3	44.7	38.5
124.9	12.5°	115.6	104.8	89.4	74.0	63.2	53.9	49.3	43.2	38.5	33.9
144.9	15°	126.4	112.5	90.9	74.0	60.1	49.3	43.2	37.0	32.4	26.2
181.9	17.5°	141.8	118.7	89.4	69.4	55.5	43.2	37.0	32.4	24.7	15.4
269.7	20°	168.0	123.3	86.3	64.7	47.8	35.5	27.7	21.6	10.8	3.1
405.4	22.5°	209.6	135.6	83.2	58.6	41.6	27.7	18.5	7.7	0.0	0.0
616.6	25°	289.8	157.2	83.2	55.5	37.0	20.0	6.2	0.0	0.0	0.0
875.5	27.5°	385.3	186.5	83.2	47.8	29.3	10.8	0.0	0.0	0.0	0.0
1193.0	30°	482.5	218.9	83.2	41.6	23.1	1.5	0.0	0.0	0.0	0.0
1468.9	32.5°	574.9	246.6	84.8	35.5	15.4	0.0	0.0	0.0	0.0	0.0
1851.2	35°	669.0	251.2	83.2	30.8	9.2	0.0	0.0	0.0	0.0	0.0
2319.8	37.5°	789.2	242.0	78.6	27.7	4.6	0.0	0.0	0.0	0.0	0.0
3051.9	40°	971.1	246.6	74.0	26.2	1.5	0.0	0.0	0.0	0.0	0.0
4357.5	42.5°	1307.1	266.7	67.8	26.2	0.0	0.0	0.0	0.0	0.0	0.0
6940.8	45°	2259.7	357.6	61.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0
10419.7	47.5°	3737.8	642.8	60.1	27.7	0.0	0.0	0.0	0.0	0.0	0.0
12551.4	50°	4770.6	809.2	63.2	29.3	0.0	0.0	0.0	0.0	0.0	0.0
12818.1	52.5°	4762.9	901.7	66.3	30.8	6.2	0.0	0.0	0.0	0.0	0.0
11814.6	55°	4234.2	918.7	70.9	33.9	20.0	0.0	0.0	0.0	0.0	0.0
10153.0	57.5°	3539.0	838.5	81.7	41.6	37.0	0.0	0.0	0.0	0.0	0.0
9892.6	58°	3415.7	801.5	84.8	43.2	40.1	0.0	0.0	0.0	0.0	0.0
8580.8	60°	2799.1	653.5	107.9	53.9	53.9	0.0	0.0	0.0	0.0	0.0
7034.8	62.5°	1932.9	570.3	123.3	69.4	55.5	0.0	0.0	0.0	0.0	0.0
5186.7	65°	1367.2	514.8	134.1	74.0	44.7	0.0	0.0	0.0	0.0	0.0
3685.4	67.5°	1021.9	474.7	148.0	75.5	23.1	0.0	0.0	0.0	0.0	0.0
2312.1	70°	783.0	445.5	181.9	80.2	6.2	0.0	0.0	0.0	0.0	0.0
1378.0	72.5°	638.1	411.5	220.4	83.2	0.0	0.0	0.0	0.0	0.0	0.0
826.2	75°	528.7	371.5	212.7	90.9	0.0	0.0	0.0	0.0	0.0	0.0
440.8	77.5°	351.4	288.2	194.2	90.9	0.0	0.0	0.0	0.0	0.0	0.0
157.2	80°	123.3	114.1	151.1	80.2	0.0	0.0	0.0	0.0	0.0	0.0
32.4	82.5°	18.5	15.4	21.6	27.7	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°
89.4	0°	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
63.2	2.5°	63.2	63.2	61.7	63.2	63.2	66.3	74.0	84.8	97.1	101.7
53.9	5°	52.4	50.9	49.3	49.3	49.3	53.9	60.1	72.4	86.3	92.5
44.7	7.5°	43.2	41.6	40.1	38.5	38.5	41.6	49.3	63.2	77.1	83.2
37.0	10°	35.5	32.4	30.8	29.3	29.3	32.4	40.1	53.9	69.4	75.5
30.8	12.5°	29.3	24.7	21.6	20.0	18.5	23.1	30.8	43.2	60.1	67.8
23.1	15°	20.0	15.4	10.8	9.2	7.7	12.3	20.0	33.9	50.9	60.1
12.3	17.5°	10.8	4.6	1.5	0.0	0.0	3.1	9.2	24.7	41.6	49.3
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	30.8	38.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	18.5	26.2
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	13.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	4.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	12.3
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°
89.4	0°	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
106.4	2.5°	109.4	107.9	104.8	101.7	101.7	101.7	106.4	111.0	115.6	115.6
95.6	5°	101.7	101.7	100.2	97.1	97.1	98.6	104.8	112.5	118.7	120.2
87.9	7.5°	94.0	97.1	94.0	92.5	94.0	95.6	101.7	111.0	120.2	123.3
81.7	10°	89.4	90.9	90.9	89.4	89.4	92.5	98.6	111.0	123.3	127.9
74.0	12.5°	83.2	86.3	84.8	84.8	84.8	87.9	95.6	109.4	126.4	132.6
66.3	15°	77.1	81.7	81.7	80.2	80.2	81.7	92.5	107.9	131.0	141.8
57.0	17.5°	70.9	75.5	77.1	74.0	74.0	77.1	87.9	107.9	134.1	152.6
46.2	20°	58.6	66.3	70.9	66.3	66.3	69.4	80.2	101.7	135.6	163.4
33.9	22.5°	46.2	53.9	60.1	58.6	58.6	60.1	74.0	97.1	137.2	181.9
20.0	25°	33.9	41.6	46.2	49.3	49.3	53.9	67.8	94.0	143.3	220.4
9.2	27.5°	20.0	29.3	35.5	38.5	40.1	46.2	63.2	90.9	154.1	275.9
0.0	30°	9.2	17.0	24.7	30.8	30.8	41.6	58.6	87.9	168.0	356.1
0.0	32.5°	0.0	7.7	12.3	21.6	23.1	33.9	53.9	84.8	188.0	433.1
0.0	35°	0.0	0.0	6.2	17.0	17.0	27.7	49.3	81.7	218.9	491.7
0.0	37.5°	0.0	0.0	0.0	12.3	13.9	24.7	47.8	80.2	225.0	496.3
0.0	40°	0.0	0.0	0.0	9.2	10.8	23.1	47.8	81.7	203.5	485.5
0.0	42.5°	0.0	0.0	0.0	6.2	7.7	23.1	47.8	84.8	183.4	497.9
0.0	45°	0.0	0.0	0.0	4.6	6.2	24.7	46.2	83.2	172.6	562.6
0.0	47.5°	0.0	0.0	0.0	6.2	9.2	24.7	44.7	81.7	174.2	776.9
0.0	50°	0.0	0.0	0.0	7.7	10.8	24.7	46.2	78.6	191.1	1194.6
0.0	52.5°	0.0	0.0	0.0	6.2	9.2	27.7	50.9	77.1	208.1	1553.7
0.0	55°	0.0	0.0	0.0	1.5	4.6	35.5	55.5	77.1	234.3	1643.1
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	40.1	63.2	81.7	277.4	1607.7
0.0	58°	0.0	0.0	0.0	0.0	0.0	40.1	64.7	81.7	280.5	1576.8
0.0	60°	0.0	0.0	0.0	0.0	0.0	40.1	70.9	90.9	302.1	1404.2
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	33.9	84.8	114.1	314.4	1103.6
0.0	65°	0.0	0.0	0.0	0.0	0.0	27.7	100.2	124.9	323.7	878.6
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	26.2	103.3	126.4	328.3	699.8
0.0	70°	0.0	0.0	0.0	0.0	0.0	27.7	101.7	135.6	343.7	568.8
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	30.8	92.5	149.5	343.7	504.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	32.4	86.3	168.0	312.9	436.2
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	30.8	84.8	195.8	279.0	359.1
0.0	80°	3.1	4.6	4.6	3.1	3.1	26.2	83.2	198.8	237.4	246.6
1.5	82.5°	9.2	12.3	10.8	7.7	7.7	23.1	74.0	166.5	123.3	106.4
9.2	85°	17.0	20.0	20.0	17.0	17.0	21.6	46.2	60.1	41.6	33.9
17.0	87.5°	23.1	26.2	26.2	23.1	23.1	21.6	20.0	18.5	17.0	17.0
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

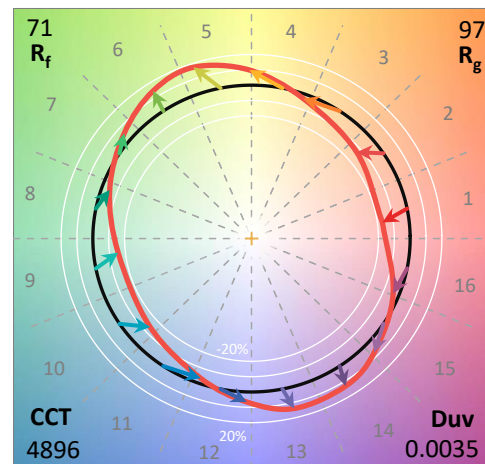
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

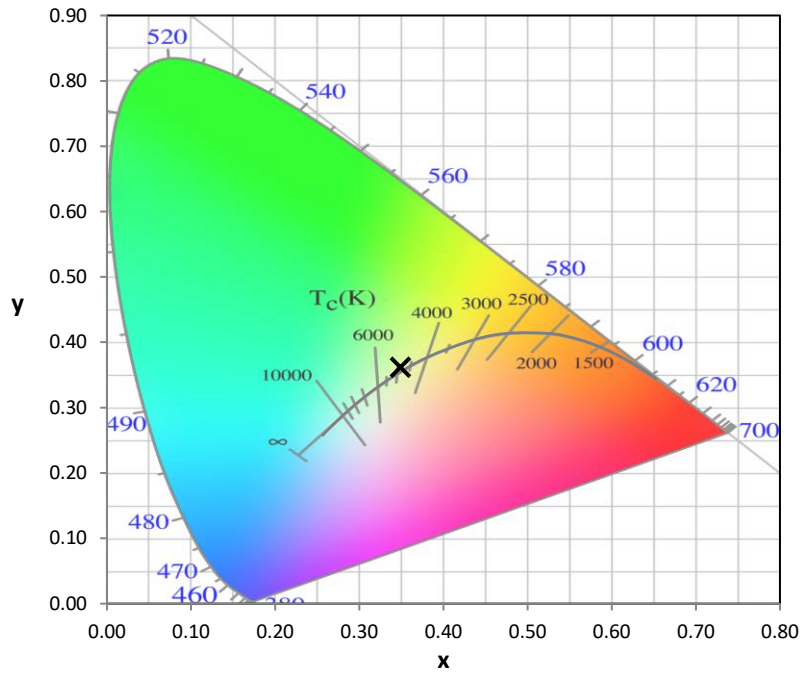
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

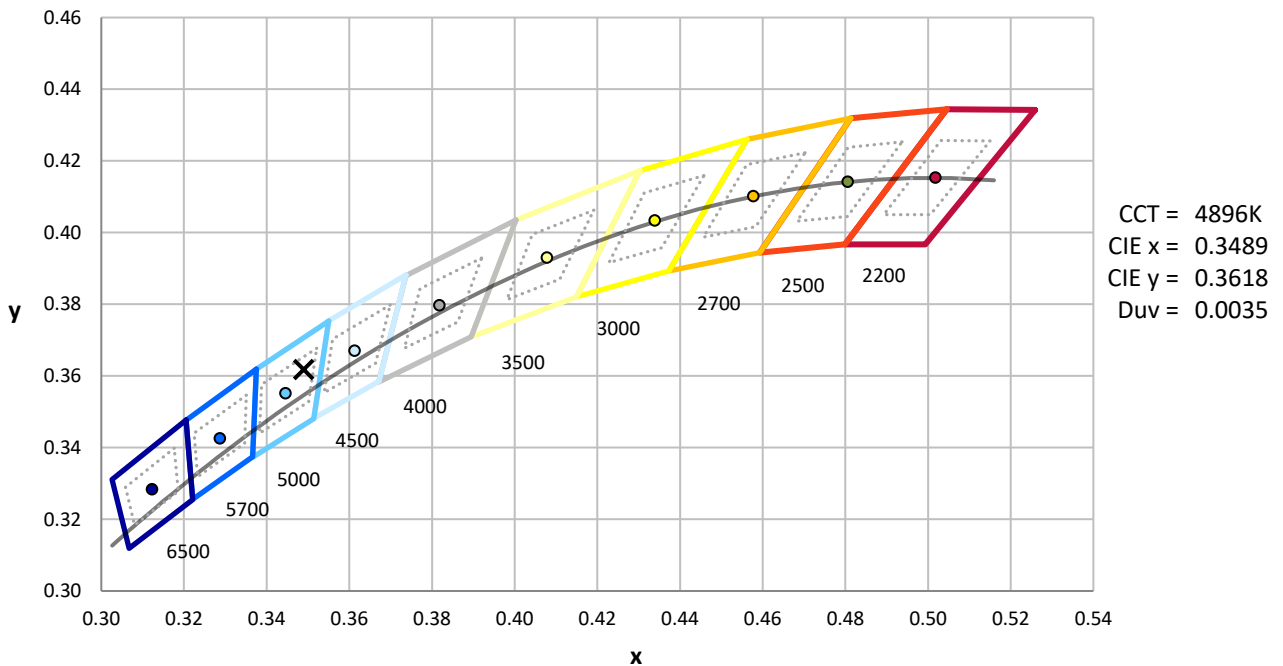
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



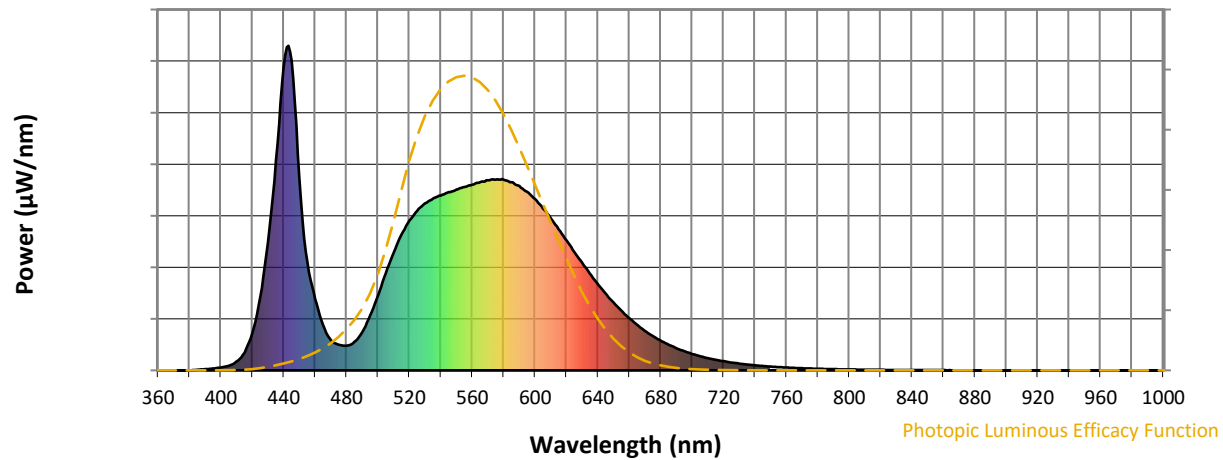
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

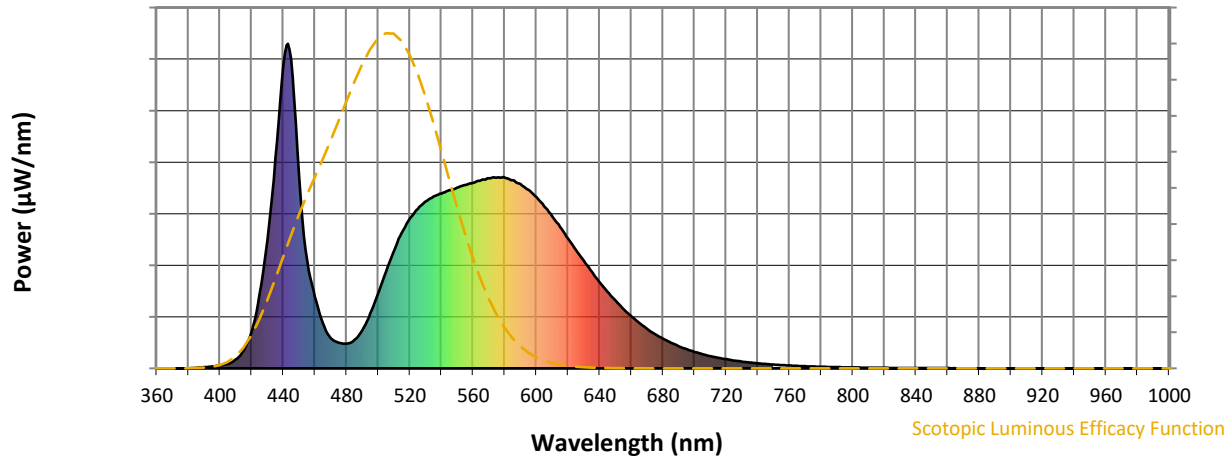


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



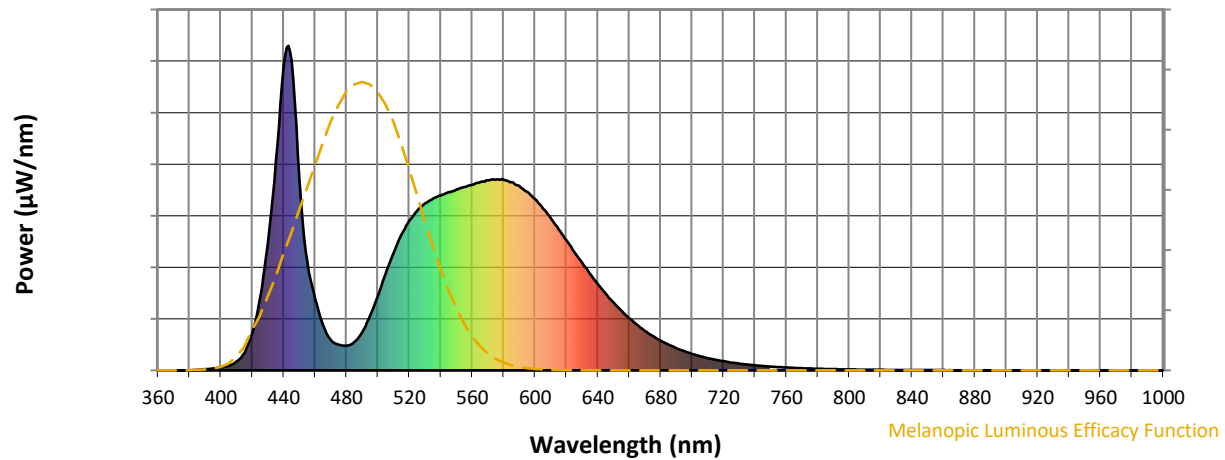
Scotopic Lumens: NR

S/P: 1.7

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

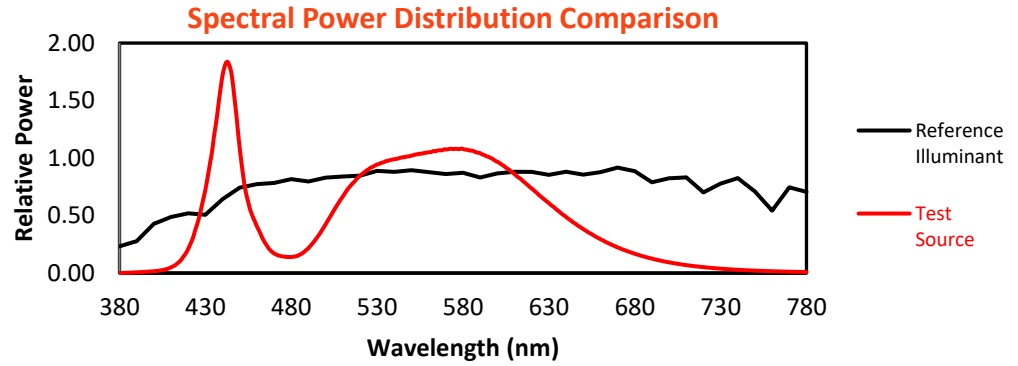
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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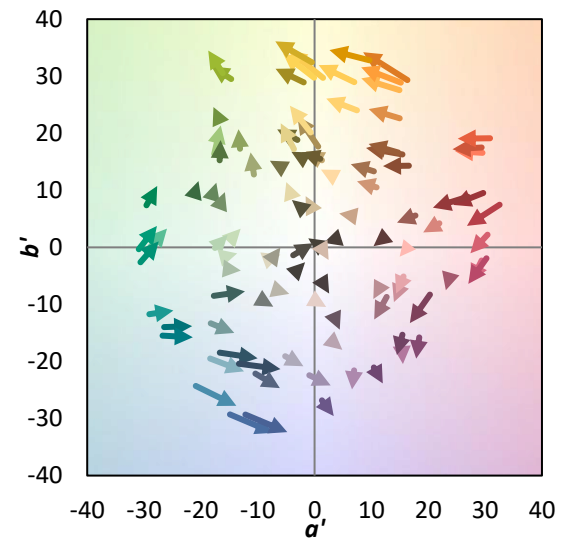
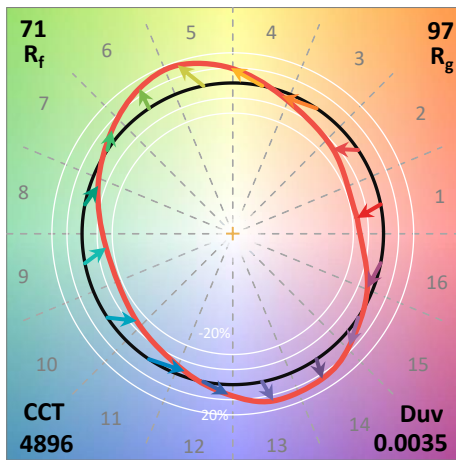
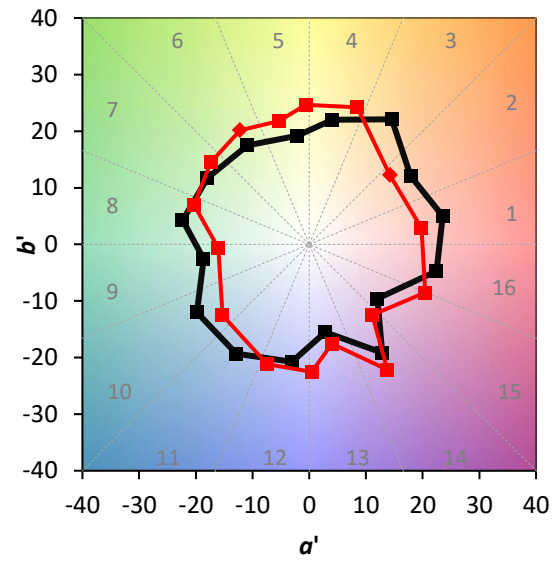
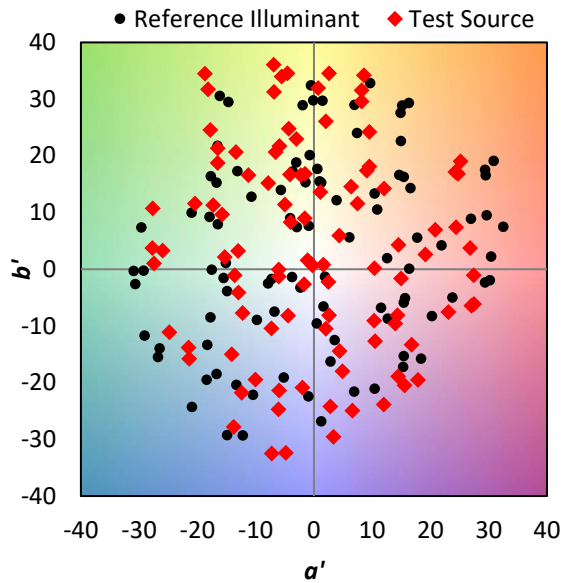
TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 $CIE R_a = 70.2$
 $R_g = -35.1$

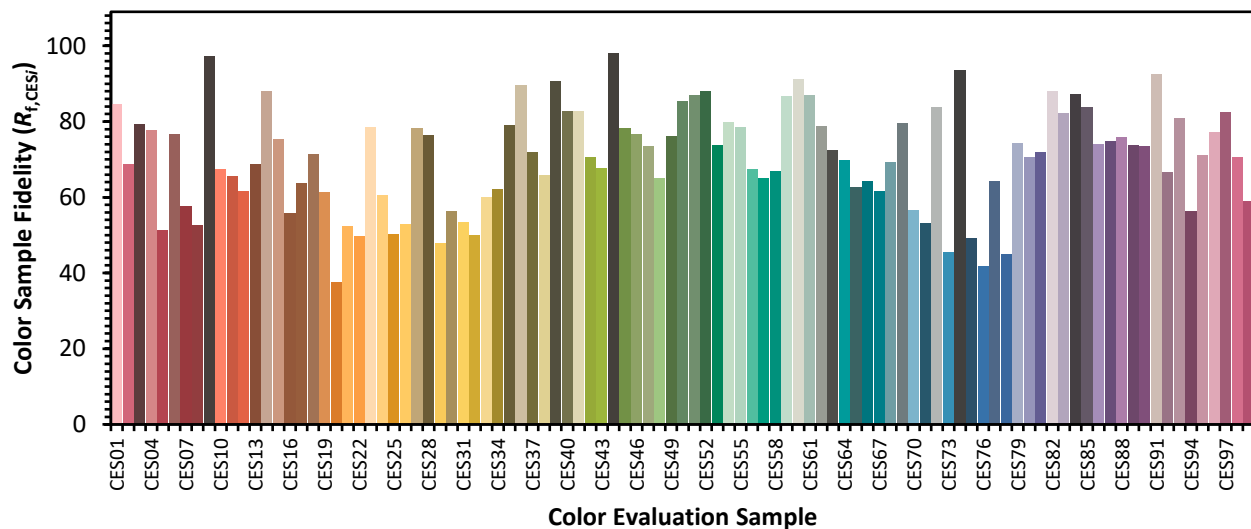


Color Vector Graphics

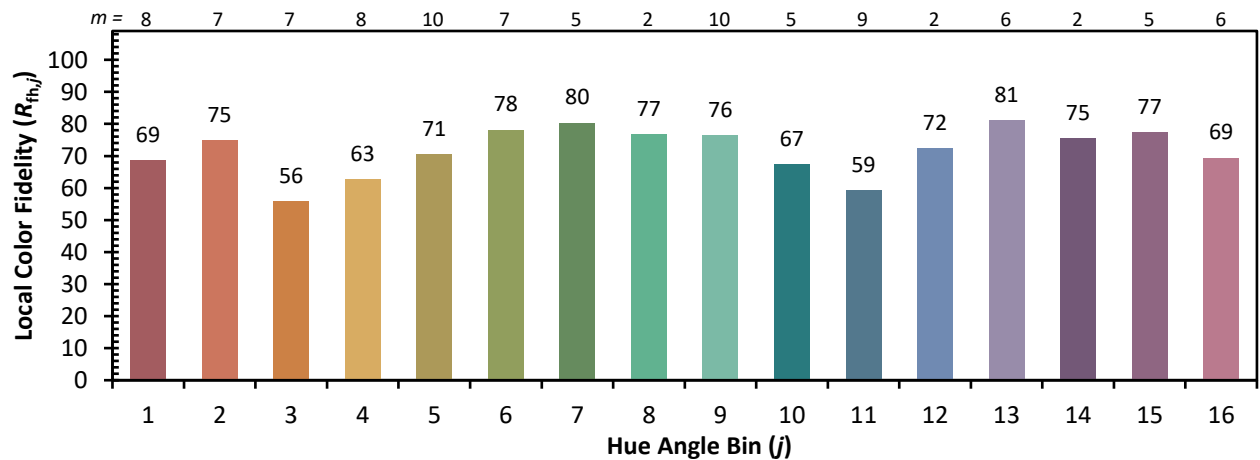
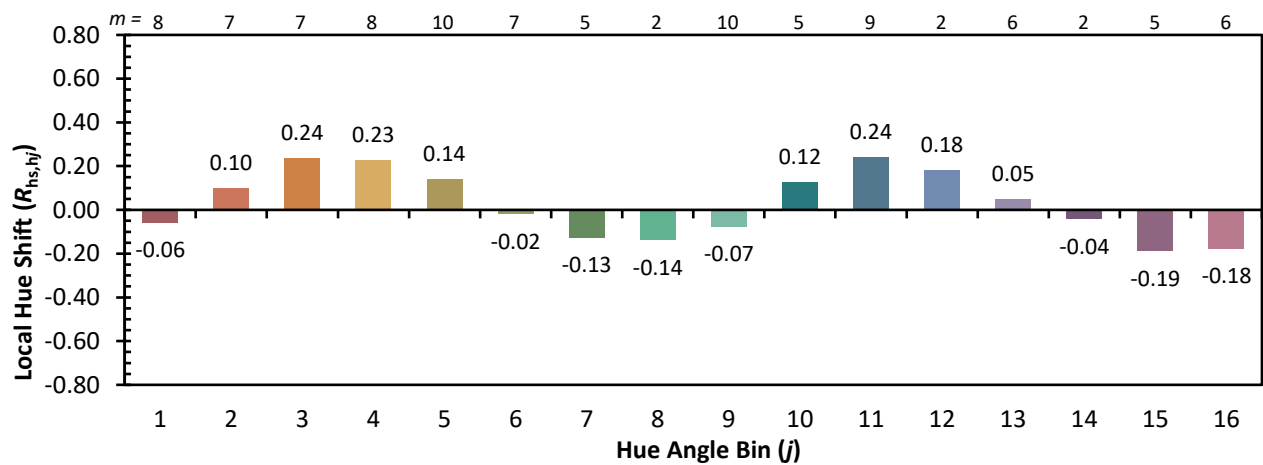
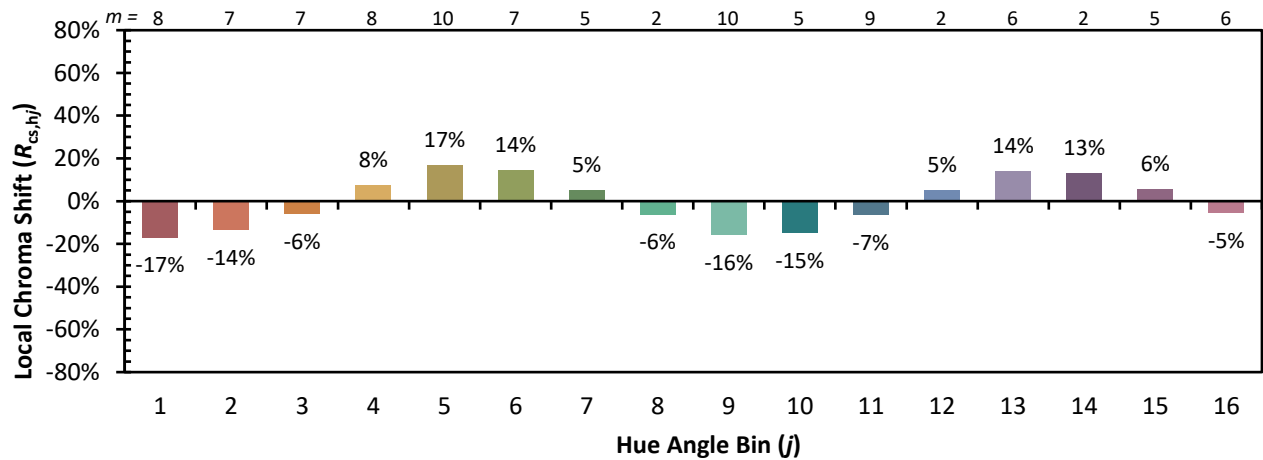


Individual Sample Fidelity Index ($R_{f,i}$)

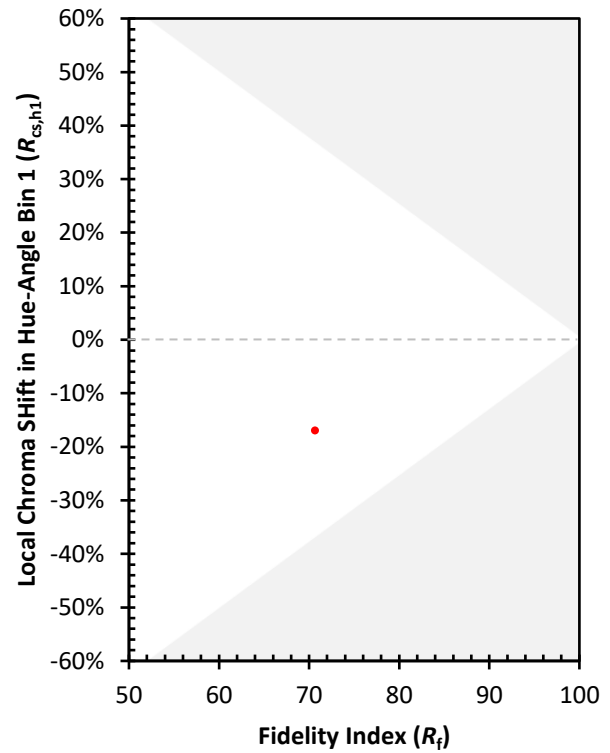
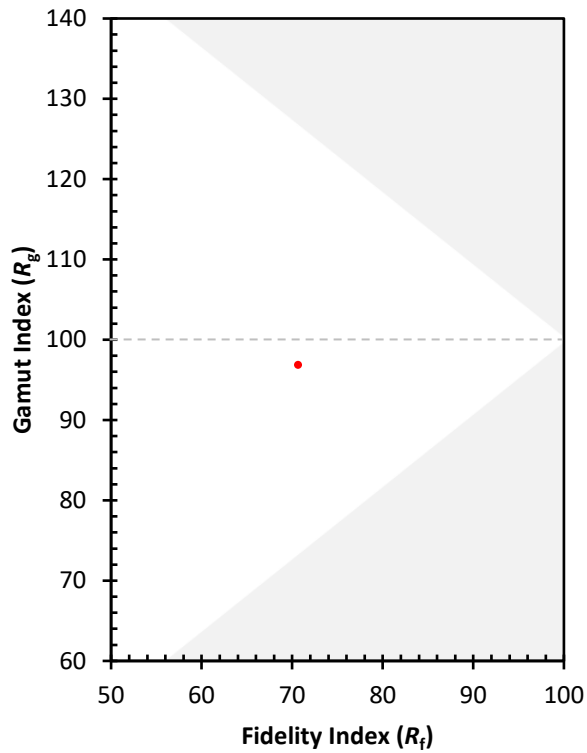
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)