

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: P1065313

Luminaire Tested: **GLAN-SA1A-760-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065313
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-760-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 5700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (14) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

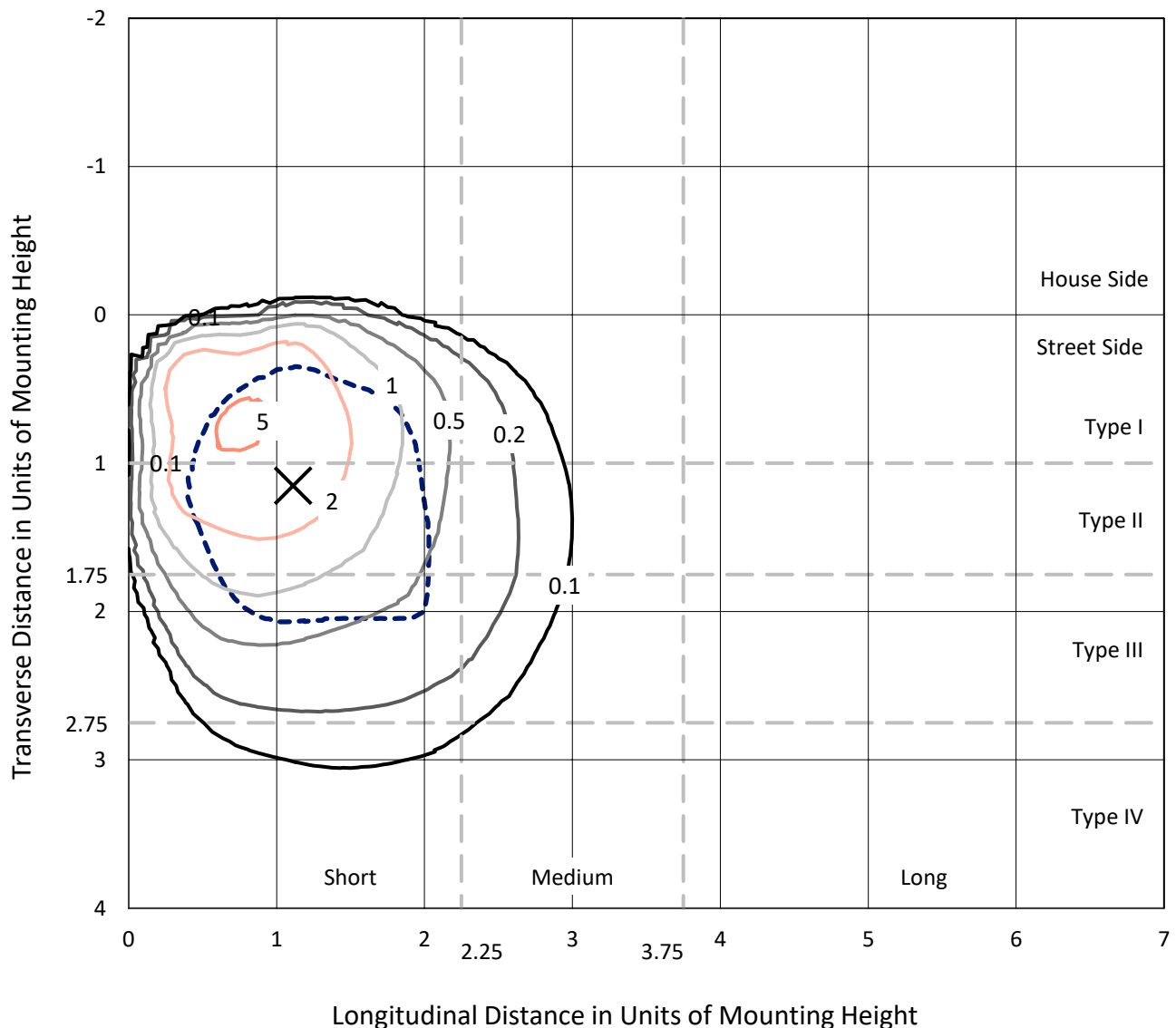
Lumens per Lamp: N/A
Luminaire Lumens: 3342.5 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29
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

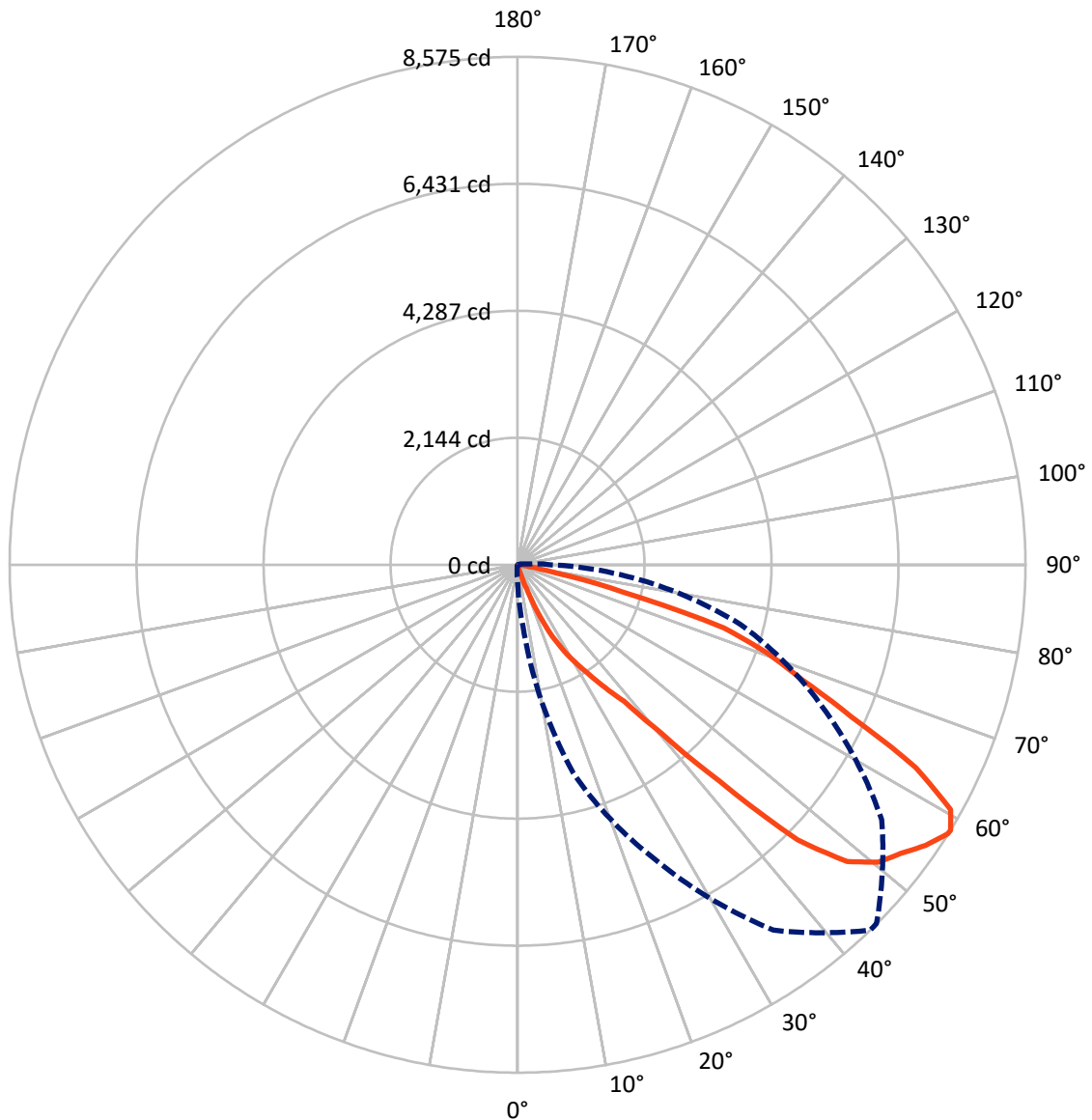
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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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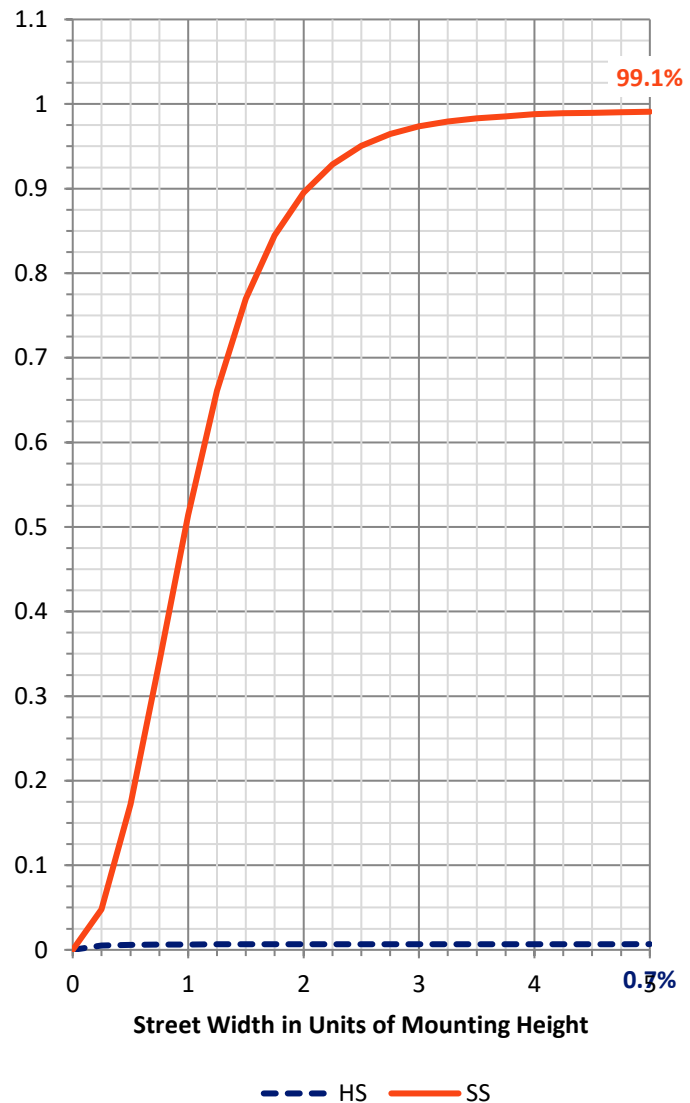
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22.8	0.0	22.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	3319.6	0.0	3319.6
	% Fixture	99.3	0.0	99.3
Total	Lumens	3342.5	0.0	3342.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	7.3	0.2
20°-30°	79.2	2.4
30°-40°	234.2	7.0
40°-50°	698.0	20.9
50°-60°	1107.5	33.1
60°-70°	923.8	27.6
70°-80°	284.9	8.5
80°-90°	6.3	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°	3342.5	100.0
0°-180°	3342.5	100.0



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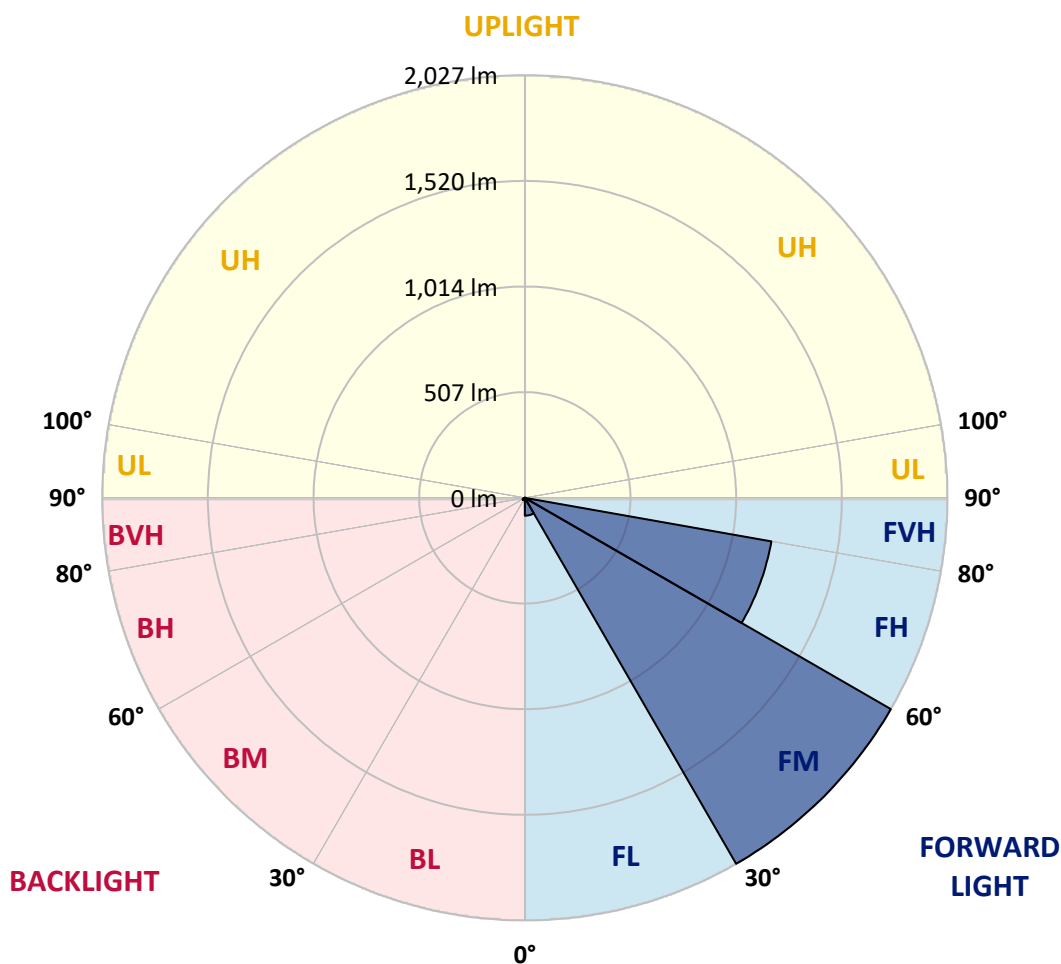
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.6	2.6			
FM	(30°-60°)	2027.1	60.6			
FH	(60°-80°)	1200.9	35.9			G1/1800
FVH	(80°-90°)	6.0	0.2			G0/10
BL	(0°-30°)	2.2	0.1	B0/110		
BM	(30°-60°)	12.5	0.4	B0/220		
BH	(60°-80°)	7.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.3	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
2.5°	18.9	18.9	18.2	17.2	16.2	15.1	14.9	14.4	14.1	13.9	13.6
5°	19.7	19.7	19.4	18.7	17.7	16.9	16.9	16.2	15.7	15.1	14.6
7.5°	20.2	20.5	21.0	20.7	20.2	19.4	19.4	18.9	18.2	16.9	16.2
10°	21.0	21.7	22.7	23.2	23.5	23.5	23.2	23.0	21.7	19.9	17.9
12.5°	21.7	23.2	25.8	28.3	29.8	31.8	31.6	31.1	27.8	24.0	20.5
15°	23.2	25.5	30.8	38.1	49.5	56.6	59.3	56.8	46.0	32.3	23.7
17.5°	25.0	28.8	44.7	79.8	130.8	155.0	169.7	157.8	104.5	61.4	29.8
20°	26.8	35.1	83.1	206.8	339.4	418.6	440.6	406.3	260.8	116.9	44.2
22.5°	29.8	49.2	168.4	427.5	731.2	850.1	872.6	762.8	492.6	230.8	66.4
25°	36.1	71.5	290.4	696.6	1091.3	1292.0	1282.7	1138.7	799.1	368.6	101.0
27.5°	45.2	104.0	439.1	989.8	1436.2	1613.2	1634.4	1456.4	1065.3	542.1	143.4
30°	58.3	144.2	598.7	1224.6	1712.7	1904.1	1907.6	1723.5	1303.4	694.4	195.4
32.5°	71.0	182.0	738.3	1451.6	1985.1	2194.9	2210.6	1984.1	1481.1	852.9	240.6
35°	80.5	206.8	879.7	1651.1	2259.8	2548.9	2547.9	2279.0	1691.7	994.6	303.2
37.5°	81.3	231.5	1007.7	1855.1	2607.8	2931.5	2963.5	2667.1	1946.2	1169.8	380.0
40°	79.5	259.3	1169.8	2173.2	3234.7	3731.4	3759.6	3385.9	2456.8	1469.8	499.9
42.5°	81.6	307.5	1432.9	2760.8	4275.7	4989.0	5043.6	4650.7	3395.3	2081.8	713.8
45°	92.2	398.2	1984.1	3743.7	5759.6	6629.2	6611.1	6045.2	4487.3	3013.5	1137.0
47.5°	127.3	620.1	2801.2	4700.4	6708.0	7482.4	7498.1	6806.5	5124.6	3729.8	1706.9
50°	195.7	948.9	3487.7	5206.2	7115.8	7892.7	7878.1	7078.9	5366.8	4082.6	2056.1
52.5°	254.5	1186.7	3832.1	5383.7	7168.1	8095.5	8094.5	7150.6	5404.4	4112.9	2099.7
55°	269.2	1204.6	3834.9	5393.3	7285.2	8360.8	8394.2	7327.1	5453.1	3980.6	1935.4
57.5°	263.4	1066.5	3674.8	5448.8	7493.8	8566.1	8567.9	7498.1	5576.8	3899.5	1663.2
58°	258.3	1044.8	3642.5	5480.4	7529.6	8574.7	8570.4	7505.9	5677.6	3896.5	1620.5
60°	230.0	907.2	3516.5	5560.9	7476.3	8398.5	8358.3	7335.0	5662.7	3865.4	1405.6
62.5°	180.8	707.7	3392.5	5467.8	6905.2	7545.3	7561.9	6493.9	5162.2	3684.4	1152.4
65°	143.9	527.5	3134.0	4796.1	5686.2	6196.2	6258.3	5280.7	4308.8	3119.8	849.6
67.5°	114.6	381.3	2629.0	3818.5	4499.4	5171.3	5216.5	4433.5	3338.2	2390.4	603.7
70°	93.2	257.8	1814.7	2792.6	3711.2	4466.6	4469.4	3683.1	2491.6	1566.2	378.7
72.5°	82.6	178.5	1053.4	2036.6	3009.2	3639.7	3566.2	2988.8	1914.9	927.7	225.7
75°	71.5	118.4	516.6	1245.0	1824.5	1836.9	1864.9	1386.4	957.2	441.1	135.3
77.5°	58.8	84.1	203.5	340.1	547.2	700.4	726.4	550.4	318.4	108.6	72.2
80°	40.4	39.9	54.8	104.3	156.5	196.2	183.1	141.6	83.3	41.7	25.8
82.5°	17.4	18.9	24.7	29.8	24.2	23.5	22.5	14.4	11.1	8.6	5.3
85°	5.6	5.0	5.3	5.3	4.3	3.3	3.3	1.5	0.0	0.0	0.0
87.5°	2.8	2.3	2.3	2.0	1.3	0.5	0.3	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
2.5°	13.4	13.4	12.9	12.4	12.1	11.6	11.4	11.1	10.9	10.6	10.4
5°	14.1	13.9	13.1	12.4	11.6	10.9	10.4	9.8	9.3	9.1	8.8
7.5°	15.4	14.9	13.4	12.1	11.1	10.1	9.6	8.8	8.3	7.6	7.3
10°	16.9	15.9	13.9	12.4	10.9	9.6	8.8	8.1	7.3	6.3	6.1
12.5°	18.9	17.2	14.6	12.1	10.4	8.8	8.1	7.1	6.3	5.6	5.0
15°	20.7	18.4	14.9	12.1	9.8	8.1	7.1	6.1	5.3	4.3	3.8
17.5°	23.2	19.4	14.6	11.4	9.1	7.1	6.1	5.3	4.0	2.5	2.0
20°	27.5	20.2	14.1	10.6	7.8	5.8	4.5	3.5	1.8	0.5	0.0
22.5°	34.3	22.2	13.6	9.6	6.8	4.5	3.0	1.3	0.0	0.0	0.0
25°	47.5	25.8	13.6	9.1	6.1	3.3	1.0	0.0	0.0	0.0	0.0
27.5°	63.1	30.6	13.6	7.8	4.8	1.8	0.0	0.0	0.0	0.0	0.0
30°	79.0	35.9	13.6	6.8	3.8	0.3	0.0	0.0	0.0	0.0	0.0
32.5°	94.2	40.4	13.9	5.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0
35°	109.6	41.2	13.6	5.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	129.3	39.6	12.9	4.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	159.1	40.4	12.1	4.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	214.1	43.7	11.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	370.2	58.6	10.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	612.3	105.3	9.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	781.5	132.6	10.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	780.2	147.7	10.9	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	693.6	150.5	11.6	5.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	579.7	137.4	13.4	6.8	6.1	0.0	0.0	0.0	0.0	0.0	0.0
58°	559.5	131.3	13.9	7.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
60°	458.5	107.1	17.7	8.8	8.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	316.6	93.4	20.2	11.4	9.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	224.0	84.3	22.0	12.1	7.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	167.4	77.8	24.2	12.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	128.3	73.0	29.8	13.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	104.5	67.4	36.1	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	86.6	60.9	34.8	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	57.6	47.2	31.8	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	20.2	18.7	24.7	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.0	2.5	3.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
2.5°	10.4	10.4	10.1	10.4	10.4	10.9	12.1	13.9	15.9	16.7	17.4
5°	8.6	8.3	8.1	8.1	8.1	8.8	9.8	11.9	14.1	15.1	15.7
7.5°	7.1	6.8	6.6	6.3	6.3	6.8	8.1	10.4	12.6	13.6	14.4
10°	5.8	5.3	5.0	4.8	4.8	5.3	6.6	8.8	11.4	12.4	13.4
12.5°	4.8	4.0	3.5	3.3	3.0	3.8	5.0	7.1	9.8	11.1	12.1
15°	3.3	2.5	1.8	1.5	1.3	2.0	3.3	5.6	8.3	9.8	10.9
17.5°	1.8	0.8	0.3	0.0	0.0	0.5	1.5	4.0	6.8	8.1	9.3
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	6.3	7.6
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.0	4.3	5.6
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.3	3.3
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5
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	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
2.5°	17.9	17.7	17.2	16.7	16.7	16.7	17.4	18.2	18.9	18.9
5°	16.7	16.7	16.4	15.9	15.9	16.2	17.2	18.4	19.4	19.7
7.5°	15.4	15.9	15.4	15.1	15.4	15.7	16.7	18.2	19.7	20.2
10°	14.6	14.9	14.9	14.6	14.6	15.1	16.2	18.2	20.2	21.0
12.5°	13.6	14.1	13.9	13.9	13.9	14.4	15.7	17.9	20.7	21.7
15°	12.6	13.4	13.4	13.1	13.1	13.4	15.1	17.7	21.5	23.2
17.5°	11.6	12.4	12.6	12.1	12.1	12.6	14.4	17.7	22.0	25.0
20°	9.6	10.9	11.6	10.9	10.9	11.4	13.1	16.7	22.2	26.8
22.5°	7.6	8.8	9.8	9.6	9.6	9.8	12.1	15.9	22.5	29.8
25°	5.6	6.8	7.6	8.1	8.1	8.8	11.1	15.4	23.5	36.1
27.5°	3.3	4.8	5.8	6.3	6.6	7.6	10.4	14.9	25.2	45.2
30°	1.5	2.8	4.0	5.0	5.0	6.8	9.6	14.4	27.5	58.3
32.5°	0.0	1.3	2.0	3.5	3.8	5.6	8.8	13.9	30.8	71.0
35°	0.0	0.0	1.0	2.8	2.8	4.5	8.1	13.4	35.9	80.5
37.5°	0.0	0.0	0.0	2.0	2.3	4.0	7.8	13.1	36.9	81.3
40°	0.0	0.0	0.0	1.5	1.8	3.8	7.8	13.4	33.3	79.5
42.5°	0.0	0.0	0.0	1.0	1.3	3.8	7.8	13.9	30.0	81.6
45°	0.0	0.0	0.0	0.8	1.0	4.0	7.6	13.6	28.3	92.2
47.5°	0.0	0.0	0.0	1.0	1.5	4.0	7.3	13.4	28.5	127.3
50°	0.0	0.0	0.0	1.3	1.8	4.0	7.6	12.9	31.3	195.7
52.5°	0.0	0.0	0.0	1.0	1.5	4.5	8.3	12.6	34.1	254.5
55°	0.0	0.0	0.0	0.3	0.8	5.8	9.1	12.6	38.4	269.2
57.5°	0.0	0.0	0.0	0.0	0.0	6.6	10.4	13.4	45.4	263.4
58°	0.0	0.0	0.0	0.0	0.0	6.6	10.6	13.4	46.0	258.3
60°	0.0	0.0	0.0	0.0	0.0	6.6	11.6	14.9	49.5	230.0
62.5°	0.0	0.0	0.0	0.0	0.0	5.6	13.9	18.7	51.5	180.8
65°	0.0	0.0	0.0	0.0	0.0	4.5	16.4	20.5	53.0	143.9
67.5°	0.0	0.0	0.0	0.0	0.0	4.3	16.9	20.7	53.8	114.6
70°	0.0	0.0	0.0	0.0	0.0	4.5	16.7	22.2	56.3	93.2
72.5°	0.0	0.0	0.0	0.0	0.0	5.0	15.1	24.5	56.3	82.6
75°	0.0	0.0	0.0	0.0	0.0	5.3	14.1	27.5	51.3	71.5
77.5°	0.0	0.0	0.0	0.0	0.0	5.0	13.9	32.1	45.7	58.8
80°	0.5	0.8	0.8	0.5	0.5	4.3	13.6	32.6	38.9	40.4
82.5°	1.5	2.0	1.8	1.3	1.3	3.8	12.1	27.3	20.2	17.4
85°	2.8	3.3	3.3	2.8	2.8	3.5	7.6	9.8	6.8	5.6
87.5°	3.8	4.3	4.3	3.8	3.8	3.5	3.3	3.0	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

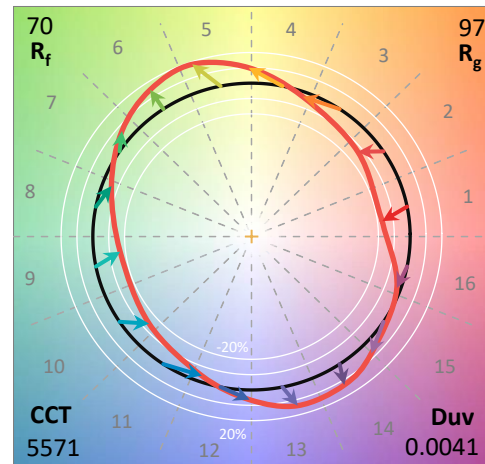
Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-7
 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-757-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5700K CCT 26 LEDS

Spectral Parameters

CCT (K):	5571	CRI (Ra):	69.9		
CIE u':	0.2033	R1:	68.8	R9:	-35.4
CIE v':	0.4806	R2:	72.5	R10:	36.7
Duv:	0.0041	R3:	76.8	R11:	73.9
CIE x:	0.3308	R4:	72.0	R12:	47.8
CIE y:	0.3476	R5:	70.9	R13:	68.0
CIE z:	0.3216	R6:	65.6	R14:	87.0
Peak Wavelength (nm):	442	R7:	75.5	R15:	59.8
Dominant Wavelength (nm):	544	R8:	56.8		
Purity:	3.635698				
Rf:	70.4				
Rg:	97.1				



Test Conditions

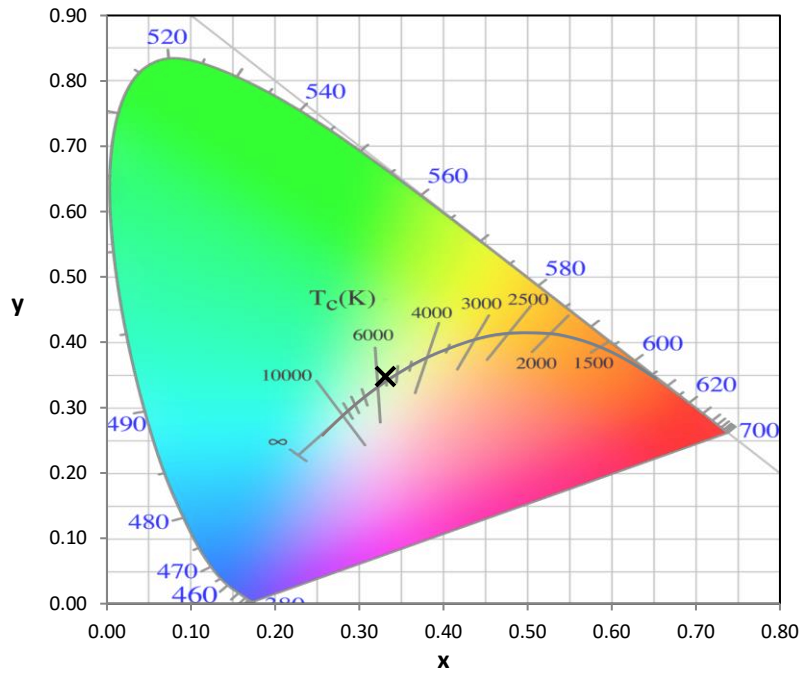
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-7

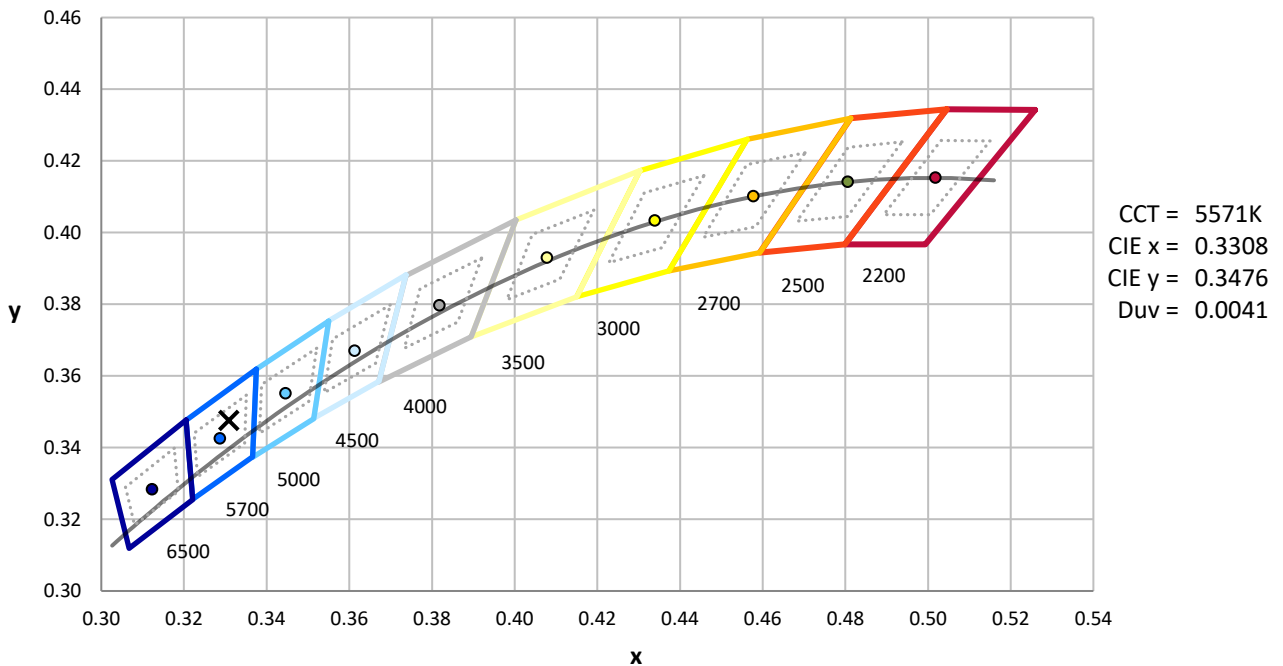
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



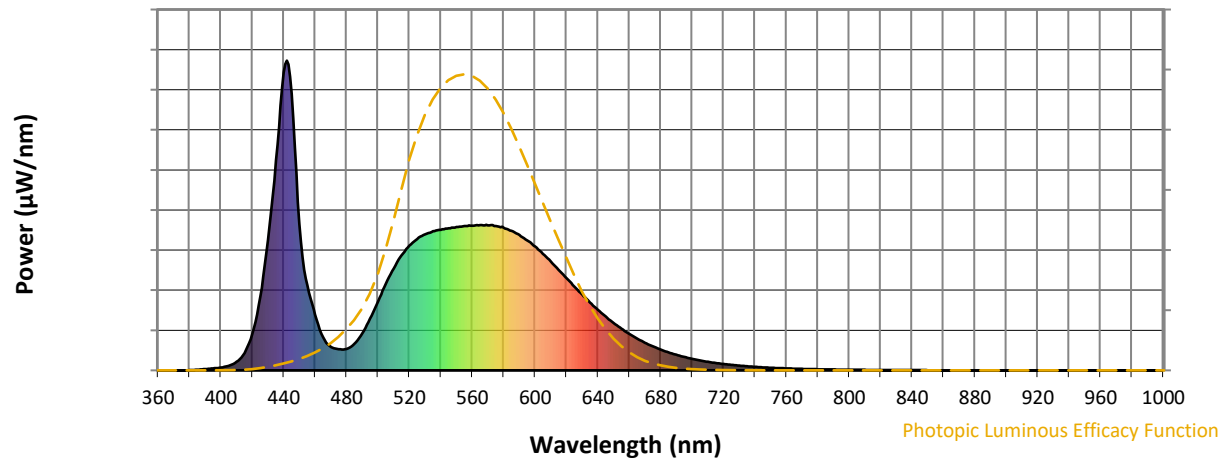
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

Photopic Flux vs. Wavelength

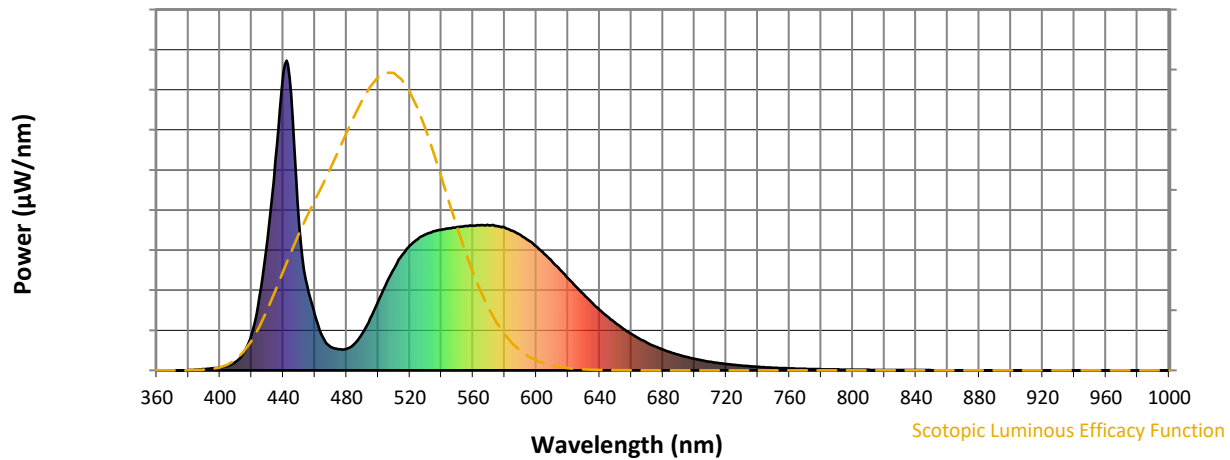


Photopic Lumens: NR

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Scotopic Flux vs. Wavelength



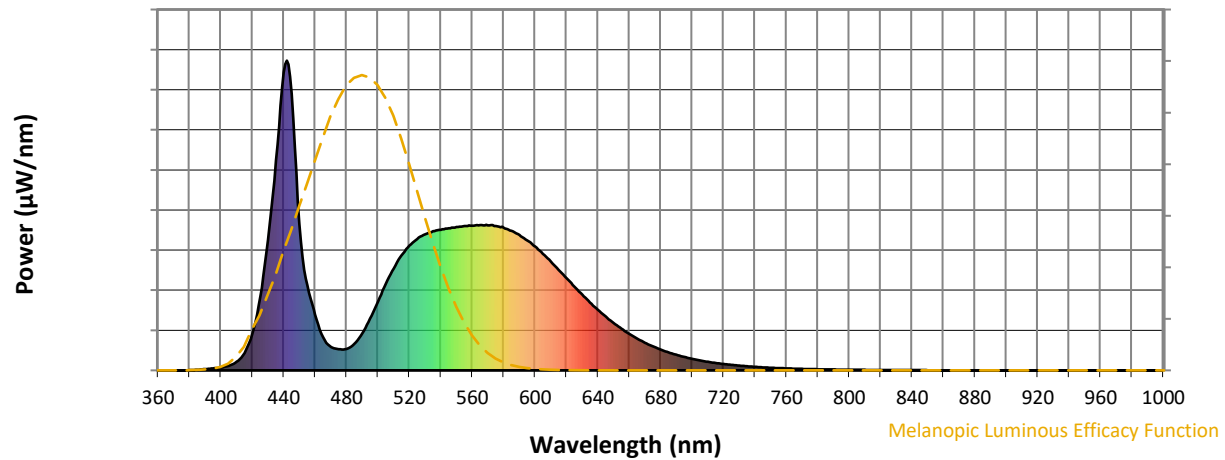
Scotopic Lumens: NR

S/P: 1.84

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.71

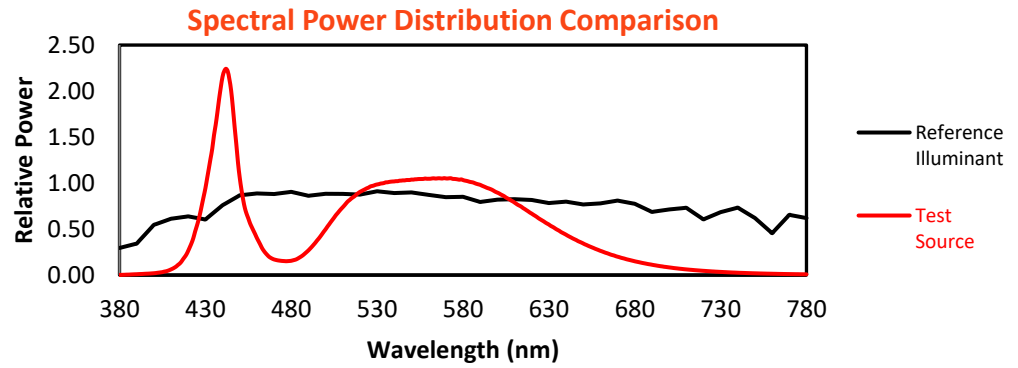
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

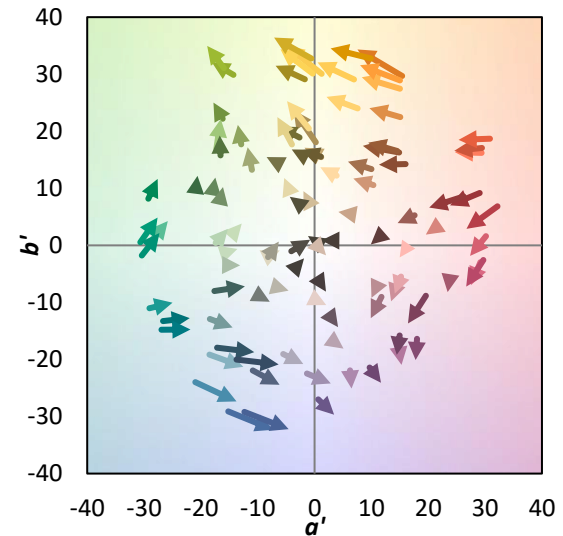
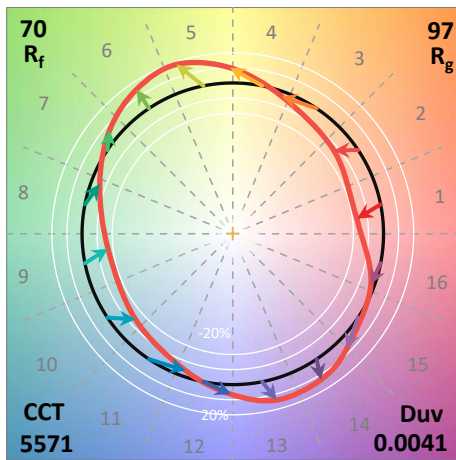
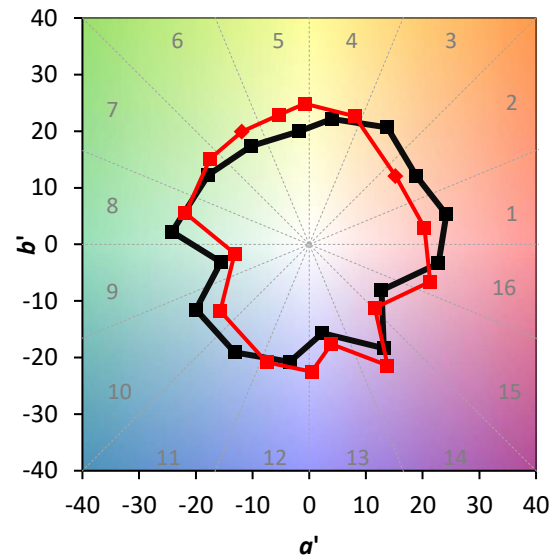
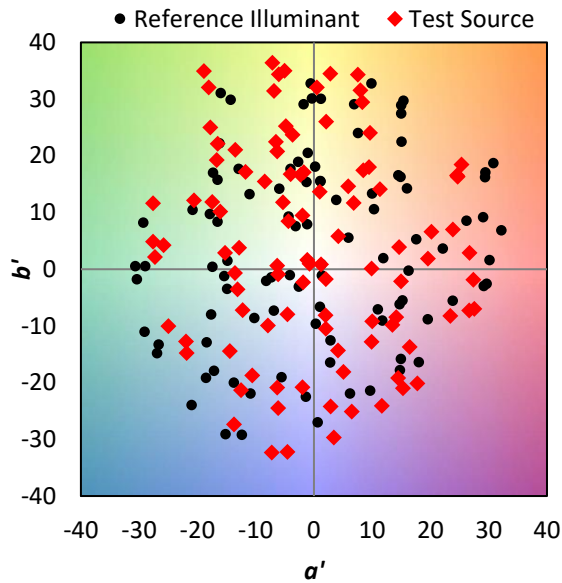
TM-30-18

Summary

$R_f = 70.4$
 $R_g = 97.1$
 $CIE\ R_a = 69.9$
 $R_g = -35.4$

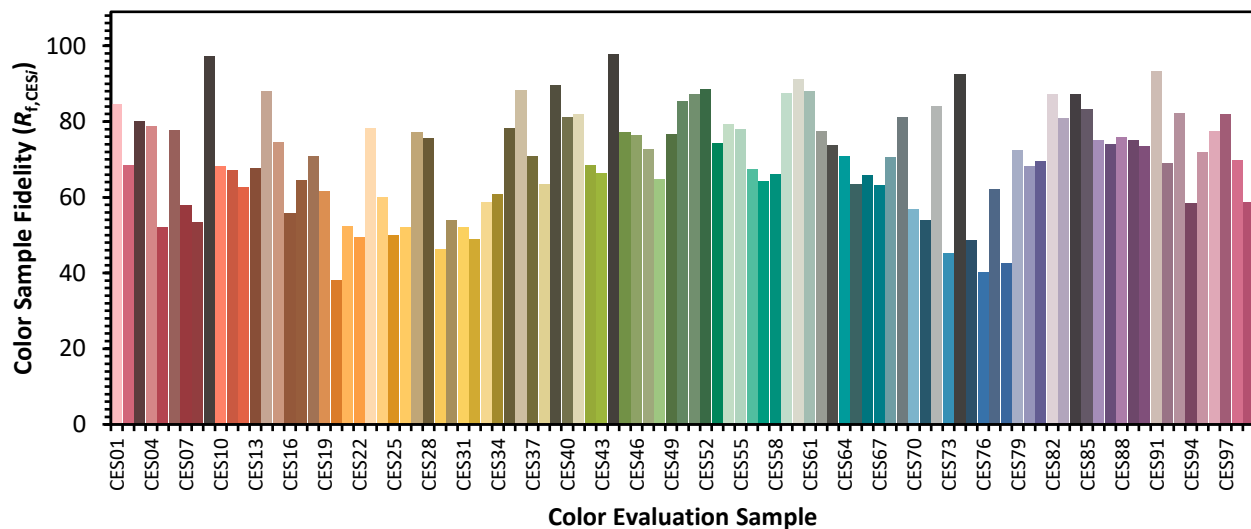


Color Vector Graphics

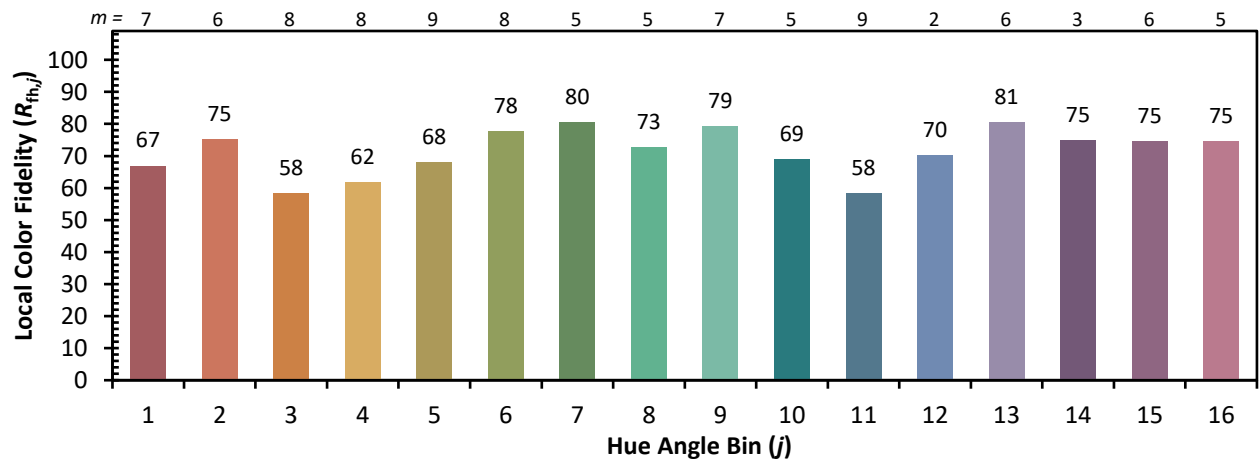
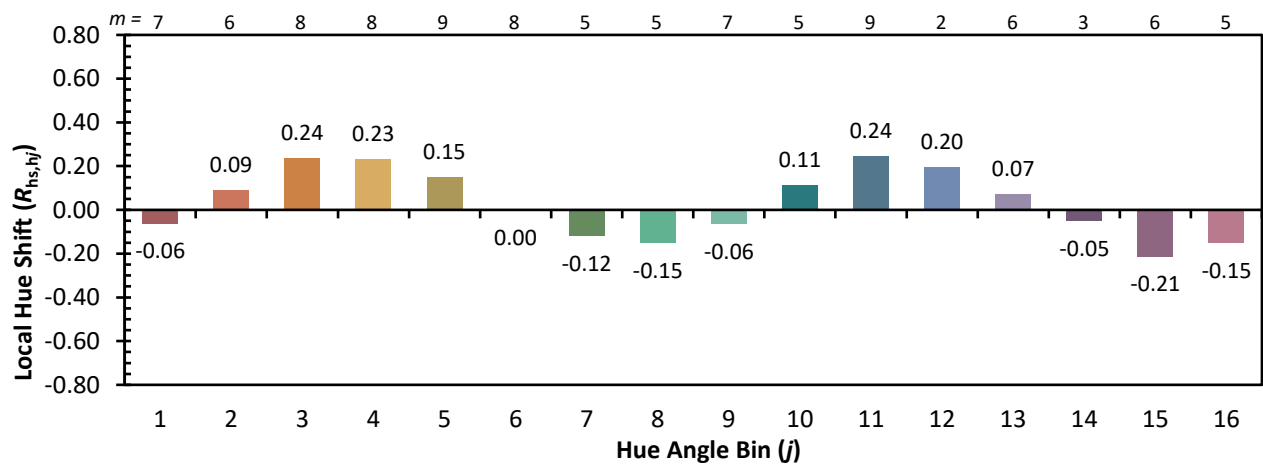
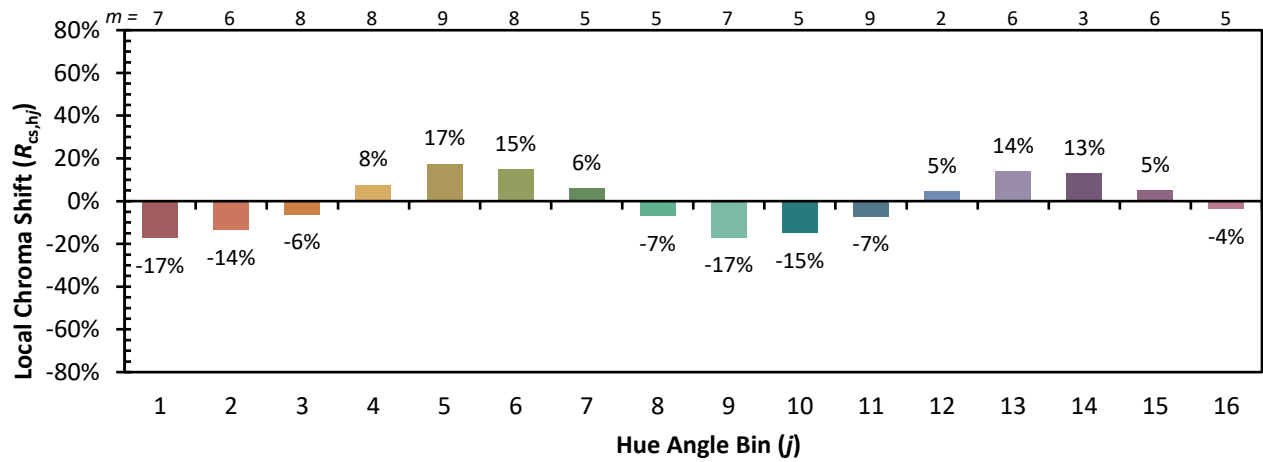


Individual Sample Fidelity Index ($R_{f,i}$)

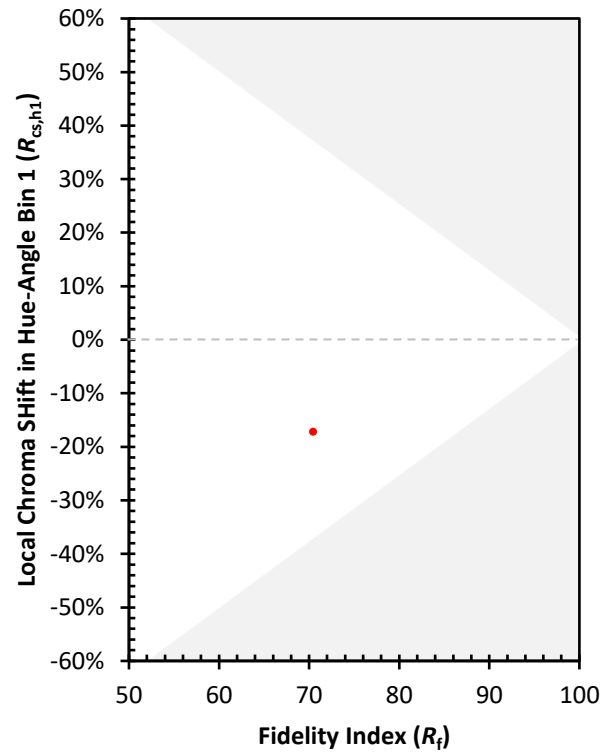
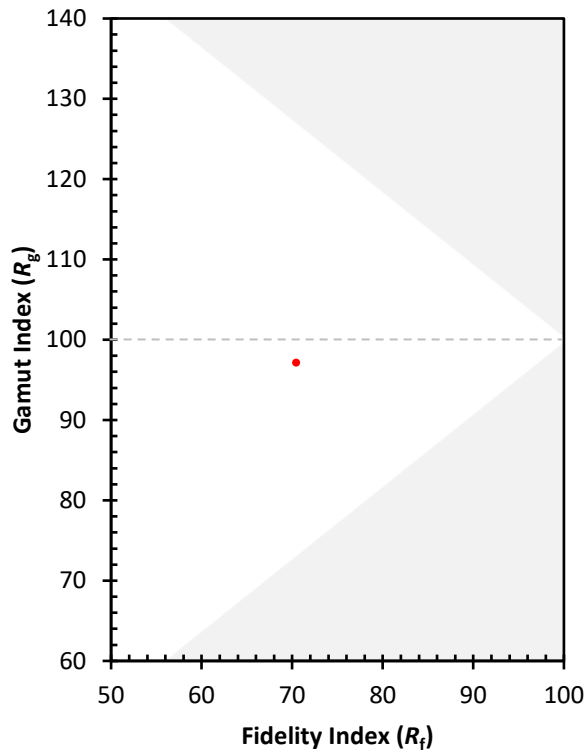
CES01 = 85	CES26 = 52	CES51 = 87	CES76 = 40
CES02 = 59	CES27 = 77	CES52 = 88	CES77 = 62
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 43
CES04 = 68	CES29 = 46	CES54 = 79	CES79 = 72
CES05 = 45	CES30 = 54	CES55 = 78	CES80 = 68
CES06 = 49	CES31 = 52	CES56 = 67	CES81 = 70
CES07 = 38	CES32 = 49	CES57 = 64	CES82 = 87
CES08 = 37	CES33 = 59	CES58 = 66	CES83 = 81
CES09 = 29	CES34 = 61	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 78	CES60 = 91	CES85 = 83
CES11 = 55	CES36 = 88	CES61 = 88	CES86 = 75
CES12 = 61	CES37 = 71	CES62 = 77	CES87 = 74
CES13 = 41	CES38 = 64	CES63 = 74	CES88 = 76
CES14 = 74	CES39 = 90	CES64 = 71	CES89 = 75
CES15 = 70	CES40 = 81	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 82	CES66 = 66	CES91 = 93
CES17 = 48	CES42 = 69	CES67 = 63	CES92 = 69
CES18 = 55	CES43 = 67	CES68 = 71	CES93 = 82
CES19 = 70	CES44 = 98	CES69 = 81	CES94 = 58
CES20 = 63	CES45 = 77	CES70 = 57	CES95 = 72
CES21 = 85	CES46 = 76	CES71 = 54	CES96 = 78
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 45	CES98 = 70
CES24 = 90	CES49 = 77	CES74 = 92	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)