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: P1365389

Luminaire Tested: **GSS-SB6C-735-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365389
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-735-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32813.2 lumens
Efficiency:	N/A
Efficacy:	109.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

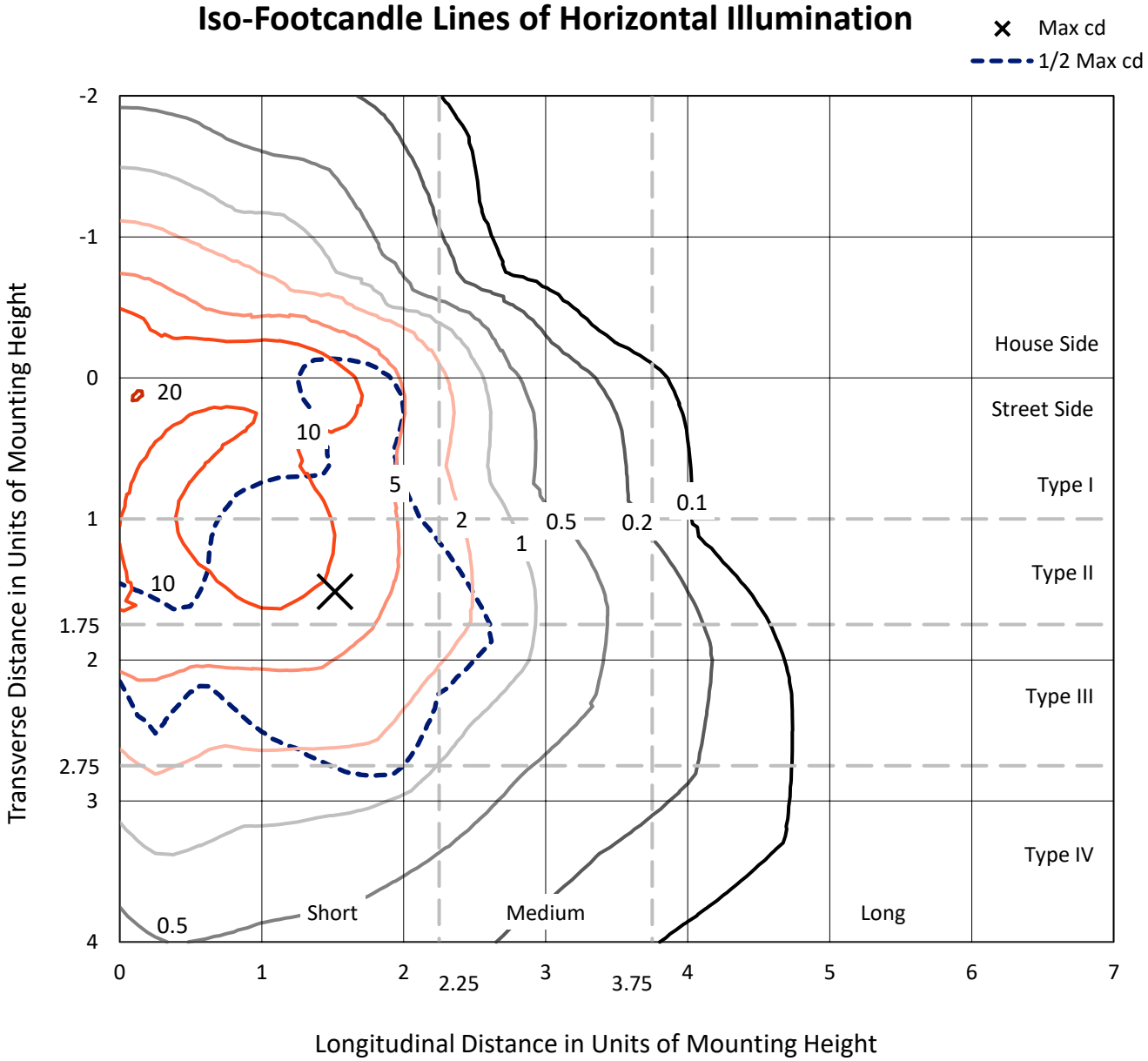
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



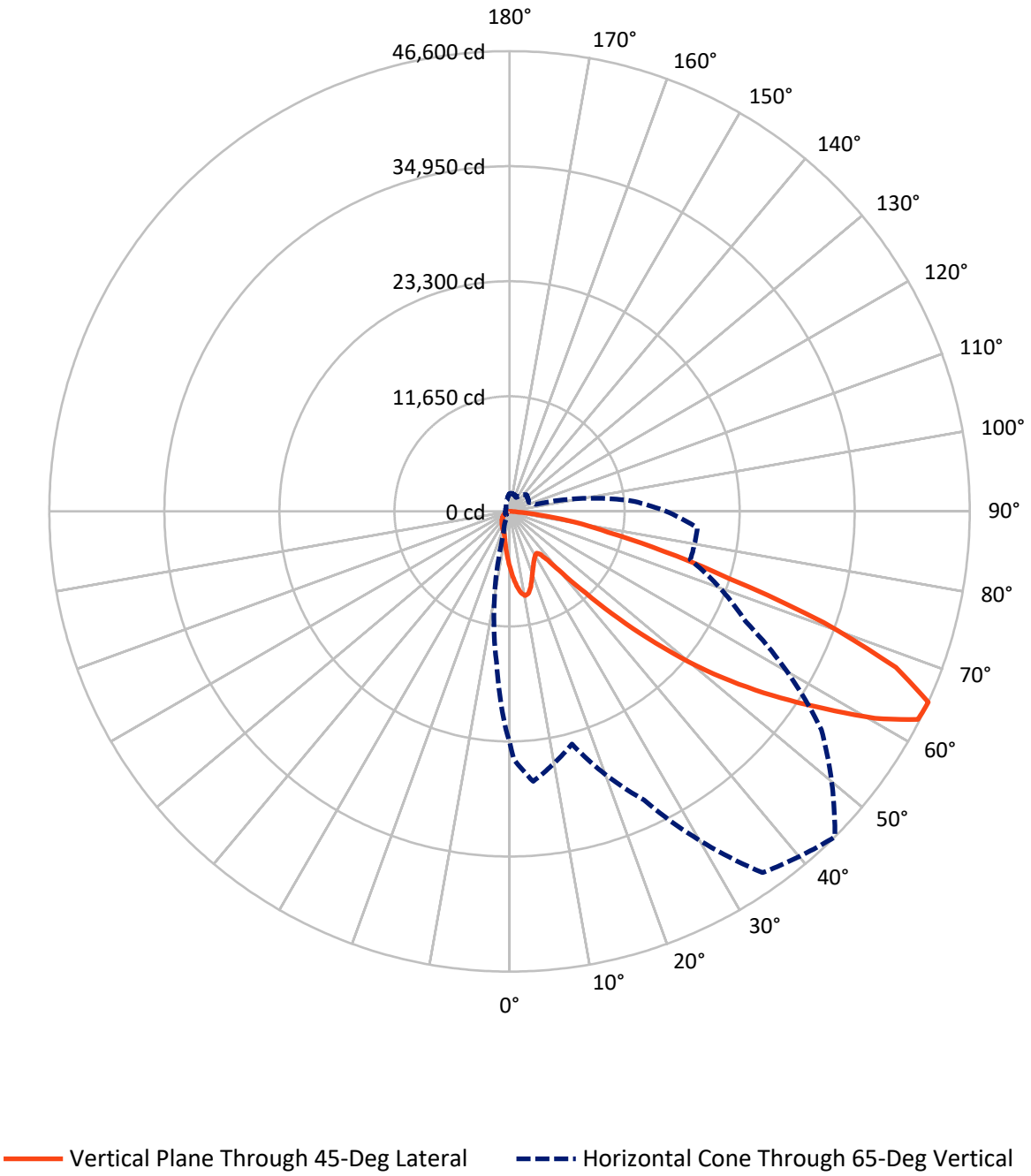
Based on 20 foot mounting height. Maximum calculated value = 20.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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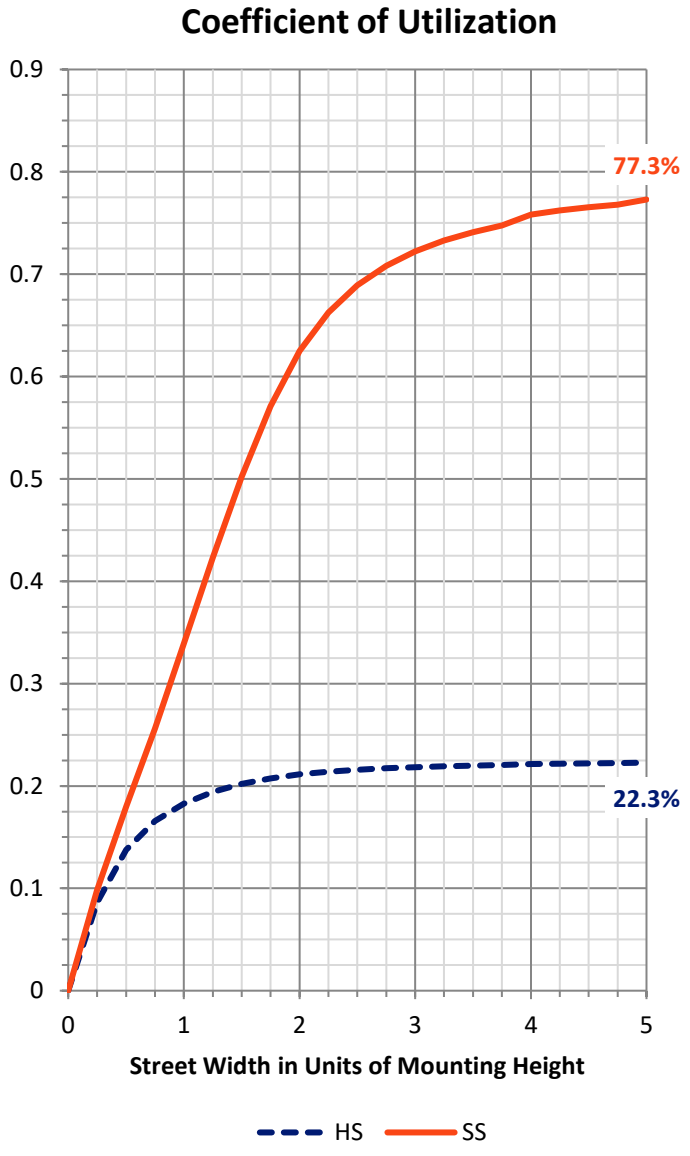
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7381.2	0.0	7381.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	25432.0	0.0	25432.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	32813.2	0.0	32813.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.8	1.7
10°-20°	1506.8	4.6
20°-30°	2158.2	6.6
30°-40°	2707.2	8.3
40°-50°	4447.1	13.6
50°-60°	8029.3	24.5
60°-70°	8913.8	27.2
70°-80°	4029.2	12.3
80°-90°	476.9	1.5
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°	32813.2	100.0
0°-180°	32813.2	100.0



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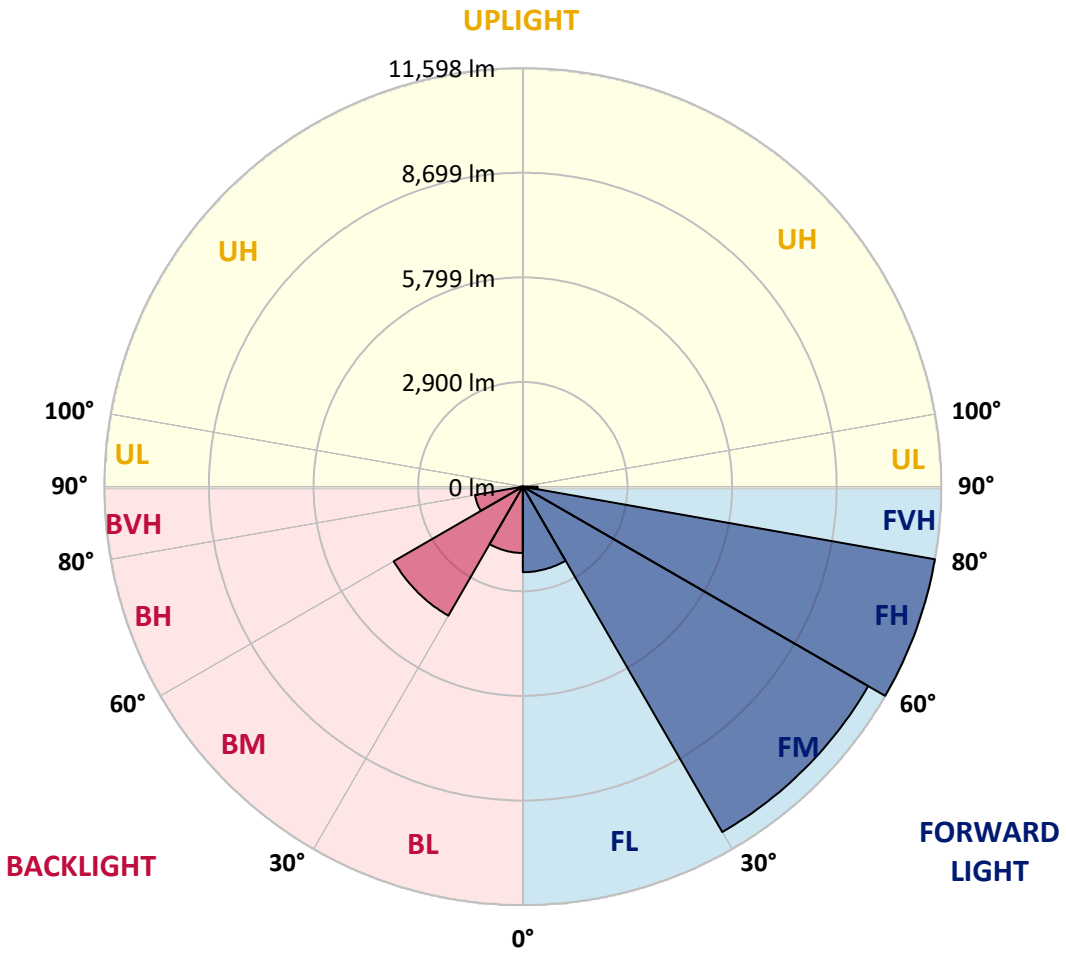
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2370.4	7.2			
FM	(30°-60°)	11053.6	33.7			
FH	(60°-80°)	11598.5	35.3			G4/12000
FVH	(80°-90°)	409.5	1.2			G3/500
BL	(0°-30°)	1839.4	5.6	B3/2500		
BM	(30°-60°)	4129.9	12.6	B3/5000		
BH	(60°-80°)	1344.5	4.1	B3/2500		G3/2500
BVH	(80°-90°)	67.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	6242.8	6323.4	6313.3	6424.1	6524.8	6595.2	6655.7	6635.5	6585.2	6484.5	6414.0
5°	6897.3	6957.7	7058.4	7269.9	7431.0	7571.9	7551.8	7571.9	7420.9	7269.9	7088.6
7.5°	7461.2	7531.7	7672.6	7974.7	8176.1	8347.3	8327.1	8266.7	8095.5	7843.8	7571.9
10°	7813.6	7863.9	8015.0	8357.3	8588.9	8729.9	8679.5	8578.8	8357.3	8105.6	7783.4
12.5°	7964.6	8025.0	8155.9	8427.8	8578.8	8548.6	8528.5	8508.4	8397.6	8206.3	7914.3
15°	7984.8	8025.0	8125.7	8246.6	8186.2	8015.0	7974.7	8125.7	8266.7	8226.4	7984.8
17.5°	7984.8	8045.2	8065.3	7944.5	7632.4	7320.2	7279.9	7531.7	7924.4	8236.5	8095.5
20°	8015.0	8045.2	8004.9	7612.2	7028.2	6685.9	6615.4	6927.5	7511.5	8125.7	8206.3
22.5°	8055.3	8085.5	7914.3	7219.5	6534.8	6172.3	6132.1	6363.7	7048.3	7964.6	8327.1
25°	8135.8	8115.7	7853.9	6877.2	6101.9	5759.5	5699.1	6001.2	6665.7	7803.5	8528.5
27.5°	8236.5	8145.9	7773.3	6595.2	5789.7	5427.2	5387.0	5679.0	6343.5	7602.1	8699.7
30°	8367.4	8276.8	7763.3	6373.7	5558.1	5195.6	5145.3	5467.5	6122.0	7461.2	8941.3
32.5°	8548.6	8417.7	7773.3	6202.5	5427.2	5084.9	5054.7	5397.0	6031.4	7380.6	9193.1
35°	8790.3	8599.0	7813.6	6142.1	5467.5	5235.9	5306.4	5568.2	6122.0	7441.0	9605.9
37.5°	9092.4	8911.1	8015.0	6273.0	5910.5	6071.6	6252.9	6353.6	6555.0	7723.0	10270.5
40°	9595.8	9344.1	8317.1	6695.9	7098.7	7853.9	8206.3	8166.0	7702.8	8367.4	11206.9
42.5°	10300.7	10069.1	8931.3	7773.3	9082.3	10683.3	11277.4	10935.0	9535.4	9394.4	12747.4
45°	11378.0	10995.4	9756.9	9374.3	11478.7	14106.8	15446.0	14267.9	11861.4	11015.6	14942.5
47.5°	12757.5	12374.9	11045.8	10975.3	14157.1	18335.8	19926.7	17610.8	14167.2	13140.1	17570.5
50°	14972.7	14549.8	12938.8	12606.5	17117.4	22554.7	24679.3	20943.7	16513.3	15395.6	20812.8
52.5°	18013.6	17731.6	15939.3	14288.0	19765.6	27206.6	29039.2	24427.6	18325.7	17973.3	24347.0
55°	22252.6	21980.8	19846.1	16160.9	22272.8	31868.6	33348.8	27599.3	19906.5	20994.0	28042.4
57.5°	27055.6	27508.7	25192.8	18658.0	24910.9	35624.4	37688.5	30479.1	22041.2	25031.7	32150.5
60°	30187.1	31616.9	31324.9	23017.9	29009.0	40296.4	42541.8	34335.5	25162.6	28002.1	32059.9
62.5°	27468.4	28898.2	31133.6	28072.6	32956.1	44525.4	46418.4	38393.4	28263.9	25635.8	26924.7
65°	23309.9	25092.1	27448.3	24387.3	32261.3	44656.3	46599.7	38544.4	26370.9	18950.0	19091.0
67.5°	20087.8	21668.6	24568.5	20752.4	28596.2	40669.0	42199.5	34385.9	21799.5	12566.2	12455.4
70°	16765.0	18214.9	21880.1	18476.7	25051.8	35050.4	33731.4	28908.3	18426.4	8347.3	6917.5
72.5°	14288.0	15627.2	19443.4	16603.9	19876.3	28404.8	23249.5	23984.5	14992.8	5306.4	4712.3
75°	11821.1	13049.5	16533.4	15033.1	16442.8	17721.6	16070.2	17036.9	12354.7	4500.9	3634.9
77.5°	8296.9	9062.2	11599.6	11962.1	12797.8	10492.0	10189.9	11931.8	8790.3	2235.3	1530.5
80°	4088.0	4561.3	6051.5	7118.8	6051.5	5950.8	6786.6	7944.5	4561.3	1369.4	845.8
82.5°	1832.6	2174.9	2789.1	4309.6	2185.0	2376.3	3000.6	4229.0	2074.2	815.6	362.5
85°	292.0	322.2	543.7	725.0	594.1	916.3	876.0	825.7	443.0	221.5	100.7
87.5°	10.1	10.1	10.1	20.1	30.2	40.3	50.3	50.3	50.3	50.3	50.3
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°	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	6393.9	6363.7	6212.6	6061.6	5930.7	5799.8	5668.9	5487.6	5346.7	5225.8	5175.5
5°	6998.0	6836.9	6605.3	6353.6	6132.1	5880.3	5638.7	5366.8	5145.3	4913.7	4792.9
7.5°	7410.8	7249.7	6867.1	6484.5	6212.6	5940.8	5689.0	5387.0	5094.9	4762.7	4581.4
10°	7602.1	7420.9	7008.1	6565.0	6232.8	5960.9	5729.3	5477.6	5185.6	4772.7	4531.1
12.5°	7733.0	7511.5	7038.3	6585.2	6252.9	5971.0	5749.4	5568.2	5397.0	4994.3	4712.3
15°	7813.6	7612.2	7118.8	6595.2	6222.7	5890.4	5679.0	5618.5	5648.7	5457.4	5115.1
17.5°	7934.4	7743.1	7219.5	6655.7	6172.3	5719.2	5487.6	5618.5	5890.4	5950.8	5679.0
20°	8095.5	7894.1	7350.4	6706.0	6021.3	5397.0	5175.5	5507.8	5960.9	6273.0	6122.0
22.5°	8276.8	8115.7	7501.5	6756.3	5799.8	4974.1	4873.4	5276.2	5759.5	6162.3	6172.3
25°	8498.3	8347.3	7712.9	6806.7	5497.7	4611.6	4631.8	4974.1	5356.7	5769.6	5840.1
27.5°	8800.4	8659.4	7974.7	6867.1	5185.6	4319.6	4420.3	4672.0	4933.8	5185.6	5286.3
30°	9132.6	9021.9	8286.8	6987.9	4893.6	4148.5	4208.9	4380.0	4591.5	4742.5	4792.9
32.5°	9585.8	9404.5	8578.8	6977.9	4672.0	4067.9	4007.5	4057.8	4229.0	4380.0	4390.1
35°	10149.6	10008.7	8880.9	6796.6	4470.7	4027.6	3816.2	3786.0	3886.7	4037.7	4027.6
37.5°	10975.3	10854.5	9374.3	6514.7	4218.9	3926.9	3614.8	3514.1	3584.6	3685.3	3715.5
40°	12213.8	11901.6	9938.2	6202.5	3967.2	3745.7	3373.1	3232.2	3282.5	3393.3	3413.4
42.5°	13895.3	13301.2	10693.4	5779.6	3725.6	3473.8	3131.5	2980.4	3010.7	3111.3	3131.5
45°	16050.1	15153.9	11730.5	5336.6	3534.2	3191.9	2879.8	2718.6	2748.9	2859.6	2910.0
47.5°	18567.4	17338.9	12817.9	4863.4	3423.5	2970.4	2628.0	2507.2	2577.7	2688.4	2708.6
50°	21537.7	20299.2	13512.7	4480.7	3353.0	2799.2	2396.4	2346.1	2436.7	2527.3	2547.5
52.5°	24780.0	23017.9	13069.7	4168.6	3292.6	2738.8	2235.3	2255.5	2326.0	2416.6	2446.8
55°	27931.6	24014.7	11599.6	3765.8	3222.1	2779.1	2114.5	2164.8	2255.5	2326.0	2346.1
57.5°	29985.7	23179.0	9344.1	3342.9	3141.5	2809.3	2054.1	2094.4	2195.1	2275.6	2285.7
60°	28193.4	21346.4	6998.0	2980.4	2970.4	2758.9	2034.0	1973.5	2114.5	2185.0	2195.1
62.5°	23098.4	17459.8	4470.7	2638.1	2648.2	2648.2	2023.9	1772.2	1953.4	2013.8	2003.7
65°	*15868.9*	*12344.7*	*2769.0*	*2154.8*	*2255.5*	*2406.5*	*1963.5*	*1560.7*	*1772.2*	*1832.6*	*1812.4*
67.5°	10431.6	7843.8	1711.7	1661.4	1852.7	2084.3	1842.6	1399.6	1590.9	1631.2	1570.8
70°	5658.8	3695.3	1127.7	1087.5	1449.9	1641.3	1560.7	1258.6	1419.7	1460.0	1399.6
72.5°	3735.6	2124.6	795.5	795.5	1137.8	1147.9	1278.8	1127.7	1258.6	1298.9	1238.5
75°	2809.3	1369.4	553.8	614.2	725.0	896.1	916.3	946.5	1067.3	1117.7	1057.3
77.5°	1288.8	503.5	332.3	453.1	503.5	684.7	584.0	704.8	795.5	815.6	765.2
80°	745.1	281.9	221.5	292.0	322.2	563.9	342.3	422.9	563.9	594.1	533.7
82.5°	312.1	141.0	151.0	181.2	191.3	312.1	241.7	271.9	372.6	362.5	322.2
85°	90.6	90.6	100.7	110.8	110.8	181.2	171.2	161.1	171.2	171.2	141.0
87.5°	60.4	60.4	60.4	70.5	70.5	80.6	90.6	100.7	100.7	100.7	90.6
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°	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	5105.0	5014.4	4883.5	4863.4	4792.9	4742.5	4792.9	4843.2	4933.8	4943.9	4984.2
5°	4682.1	4470.7	4309.6	4128.3	4037.7	4027.6	4007.5	4067.9	4198.8	4279.4	4339.8
7.5°	4400.2	4017.6	3735.6	3483.9	3393.3	3322.8	3383.2	3373.1	3544.3	3614.8	3675.2
10°	4249.1	3715.5	3292.6	2980.4	2859.6	2789.1	2779.1	2799.2	2899.9	2970.4	3040.9
12.5°	4349.8	3594.7	2970.4	2607.9	2477.0	2396.4	2326.0	2326.0	2346.1	2436.7	2466.9
15°	4682.1	3665.1	2819.3	2426.6	2255.5	2124.6	2034.0	1963.5	1973.5	1983.6	2013.8
17.5°	5165.4	3846.4	2769.0	2315.9	2134.6	1973.5	1882.9	1802.4	1782.2	1782.2	1772.2
20°	5628.6	3987.4	2728.7	2225.3	1993.7	1852.7	1772.2	1701.7	1671.5	1671.5	1671.5
22.5°	5819.9	4108.2	2678.4	2114.5	1852.7	1721.8	1651.3	1601.0	1590.9	1590.9	1580.8
25°	5668.9	4067.9	2618.0	2003.7	1721.8	1621.1	1560.7	1510.4	1500.3	1510.4	1500.3
27.5°	5195.6	3926.9	2537.4	1913.1	1621.1	1530.5	1480.2	1429.8	1419.7	1429.8	1429.8
30°	4692.2	3685.3	2406.5	1842.6	1540.6	1439.9	1389.5	1339.2	1339.2	1349.3	1359.3
32.5°	4289.4	3443.6	2255.5	1752.0	1449.9	1359.3	1309.0	1258.6	1258.6	1278.8	1278.8
35°	3947.1	3252.3	2104.4	1661.4	1369.4	1268.7	1228.4	1188.2	1178.1	1198.2	1208.3
37.5°	3675.2	3081.1	1943.3	1570.8	1288.8	1198.2	1157.9	1107.6	1097.5	1117.7	1137.8
40°	3393.3	2889.8	1802.4	1460.0	1208.3	1117.7	1077.4	1017.0	1017.0	1037.1	1057.3
42.5°	3121.4	2718.6	1711.7	1359.3	1127.7	1027.0	986.8	936.4	936.4	956.6	976.7
45°	2899.9	2557.5	1661.4	1258.6	1037.1	946.5	896.1	855.9	865.9	886.1	906.2
47.5°	2688.4	2386.4	1671.5	1208.3	976.7	855.9	805.5	775.3	795.5	825.7	845.8
50°	2527.3	2265.5	1681.5	1127.7	896.1	785.4	735.0	714.9	745.1	775.3	795.5
52.5°	2426.6	2144.7	1621.1	1027.0	835.7	714.9	684.7	684.7	714.9	735.0	755.2
55°	2326.0	1943.3	1490.2	916.3	775.3	664.6	644.4	644.4	674.6	694.8	704.8
57.5°	2245.4	1731.9	1339.2	825.7	704.8	614.2	614.2	614.2	624.3	634.4	654.5
60°	2094.4	1510.4	1147.9	755.2	634.4	573.9	563.9	563.9	553.8	563.9	594.1
62.5°	1832.6	1268.7	976.7	674.6	573.9	523.6	513.5	483.3	453.1	463.2	483.3
65°	*1550.6*	*1006.9*	*815.6*	*584.0*	*493.4*	*463.2*	*453.1*	*402.8*	*362.5*	*372.6*	*402.8*
67.5°	1238.5	755.2	684.7	503.5	422.9	392.7	392.7	362.5	332.3	332.3	352.4
70°	966.6	634.4	513.5	402.8	332.3	332.3	352.4	322.2	281.9	281.9	312.1
72.5°	785.4	513.5	412.8	312.1	261.8	281.9	292.0	261.8	231.6	231.6	251.7
75°	614.2	402.8	322.2	231.6	201.4	211.5	231.6	211.5	181.2	191.3	201.4
77.5°	422.9	271.9	211.5	171.2	151.0	161.1	161.1	151.0	141.0	141.0	151.0
80°	281.9	181.2	141.0	120.8	110.8	110.8	100.7	100.7	110.8	110.8	120.8
82.5°	201.4	130.9	110.8	90.6	70.5	70.5	80.6	80.6	90.6	90.6	100.7
85°	120.8	90.6	80.6	60.4	50.3	60.4	60.4	70.5	80.6	80.6	90.6
87.5°	90.6	70.5	60.4	50.3	40.3	40.3	50.3	50.3	60.4	70.5	70.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1365389
CATALOG NUMBER: GSS-SB6C-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	5084.9	5205.7	5376.9	5527.9	5709.2	5890.4	6061.6	6222.7	6232.8	6242.8
5°	4531.1	4772.7	5054.7	5397.0	5759.5	6111.9	6484.5	6786.6	6857.0	6897.3
7.5°	3916.9	4269.3	4702.3	5185.6	5729.3	6273.0	6796.6	7249.7	7420.9	7461.2
10°	3272.4	3705.4	4229.0	4853.3	5588.3	6313.3	7018.1	7571.9	7773.3	7813.6
12.5°	2698.5	3050.9	3655.1	4410.3	5296.3	6252.9	7098.7	7712.9	7914.3	7964.6
15°	2205.1	2537.4	3101.3	3896.7	4893.6	6041.4	7038.3	7743.1	7944.5	7984.8
17.5°	1822.5	2034.0	2547.5	3413.4	4531.1	5769.6	6957.7	7763.3	7954.6	7984.8
20°	1671.5	1711.7	1983.6	2829.4	4148.5	5568.2	6907.4	7793.5	7984.8	8015.0
22.5°	1601.0	1601.0	1661.4	2154.8	3614.8	5356.7	6887.2	7884.1	8025.0	8055.3
25°	1530.5	1530.5	1550.6	1691.6	2980.4	5094.9	6927.5	8045.2	8135.8	8135.8
27.5°	1460.0	1460.0	1480.2	1510.4	2215.2	4662.0	6937.6	8226.4	8266.7	8236.5
30°	1389.5	1409.7	1409.7	1429.8	1631.2	4118.2	6877.2	8427.8	8427.8	8367.4
32.5°	1319.0	1329.1	1349.3	1359.3	1419.7	3413.4	6776.5	8679.5	8629.2	8548.6
35°	1258.6	1268.7	1268.7	1288.8	1349.3	2728.7	6665.7	9021.9	8880.9	8790.3
37.5°	1178.1	1188.2	1198.2	1218.4	1278.8	2164.8	6504.6	9313.9	9213.2	9092.4
40°	1107.6	1117.7	1127.7	1147.9	1208.3	1862.8	6303.2	9756.9	9736.8	9595.8
42.5°	1027.0	1047.2	1057.3	1067.3	1147.9	1701.7	6162.3	10471.8	10471.8	10300.7
45°	956.6	976.7	976.7	996.8	1107.6	1560.7	6474.4	11458.6	11539.2	11378.0
47.5°	896.1	906.2	906.2	916.3	1047.2	1439.9	7310.1	12969.0	12868.3	12757.5
50°	835.7	855.9	835.7	845.8	996.8	1510.4	8689.6	14902.2	15164.0	14972.7
52.5°	795.5	805.5	765.2	765.2	926.4	1601.0	9817.3	17369.1	18245.2	18013.6
55°	745.1	755.2	704.8	704.8	815.6	1389.5	9887.8	20178.4	22101.6	22252.6
57.5°	694.8	694.8	654.5	644.4	704.8	1127.7	8770.2	22353.3	26713.2	27055.6
60°	634.4	624.3	604.1	584.0	644.4	1037.1	6685.9	22061.3	28998.9	30187.1
62.5°	543.7	563.9	553.8	513.5	584.0	966.6	4359.9	19091.0	26421.2	27468.4
65°	*453.1*	*483.3*	*483.3*	*453.1*	*644.4*	*845.8*	*2295.7*	*15284.8*	*22051.3*	*23309.9*
67.5°	402.8	422.9	412.8	392.7	573.9	533.7	1107.6	11720.4	18879.5	20087.8
70°	352.4	372.6	342.3	322.2	463.2	382.6	654.5	7843.8	15586.9	16765.0
72.5°	292.0	312.1	281.9	251.7	342.3	292.0	433.0	5105.0	12979.0	14288.0
75°	241.7	251.7	231.6	201.4	251.7	231.6	302.1	3332.9	10854.5	11821.1
77.5°	171.2	191.3	181.2	151.0	181.2	161.1	211.5	1903.1	7571.9	8296.9
80°	130.9	130.9	130.9	120.8	110.8	110.8	141.0	855.9	3675.2	4088.0
82.5°	110.8	110.8	100.7	90.6	80.6	70.5	80.6	251.7	1731.9	1832.6
85°	100.7	80.6	70.5	60.4	50.3	30.2	30.2	70.5	352.4	292.0
87.5°	60.4	50.3	40.3	20.1	10.1	10.1	0.0	10.1	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

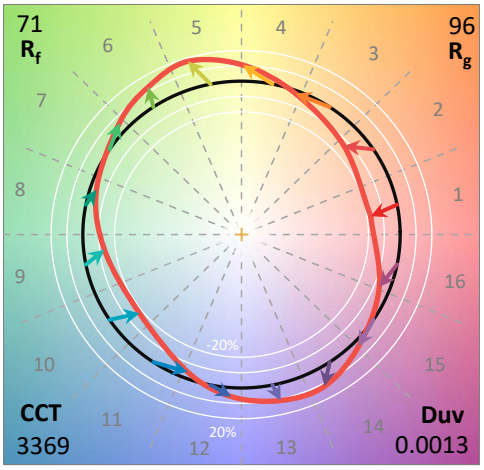
Test Information

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
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

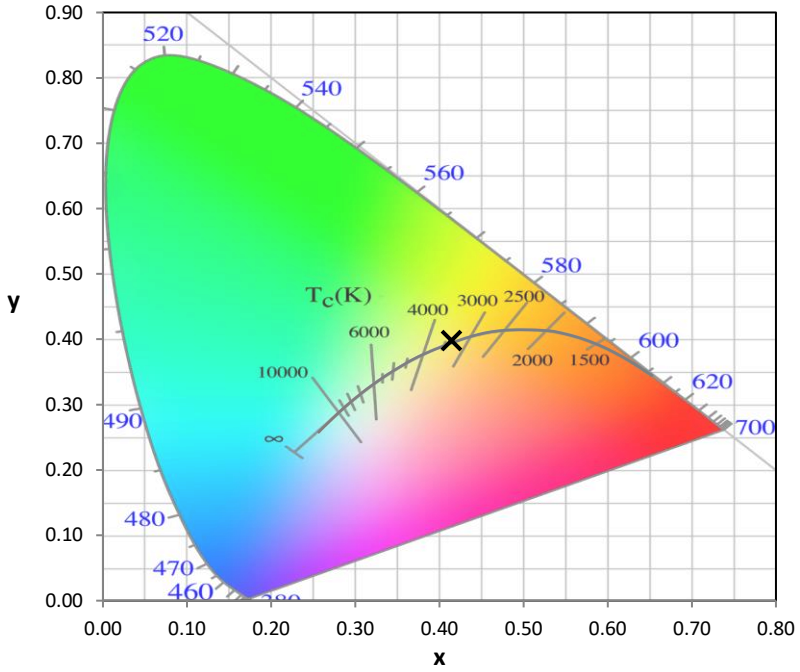
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

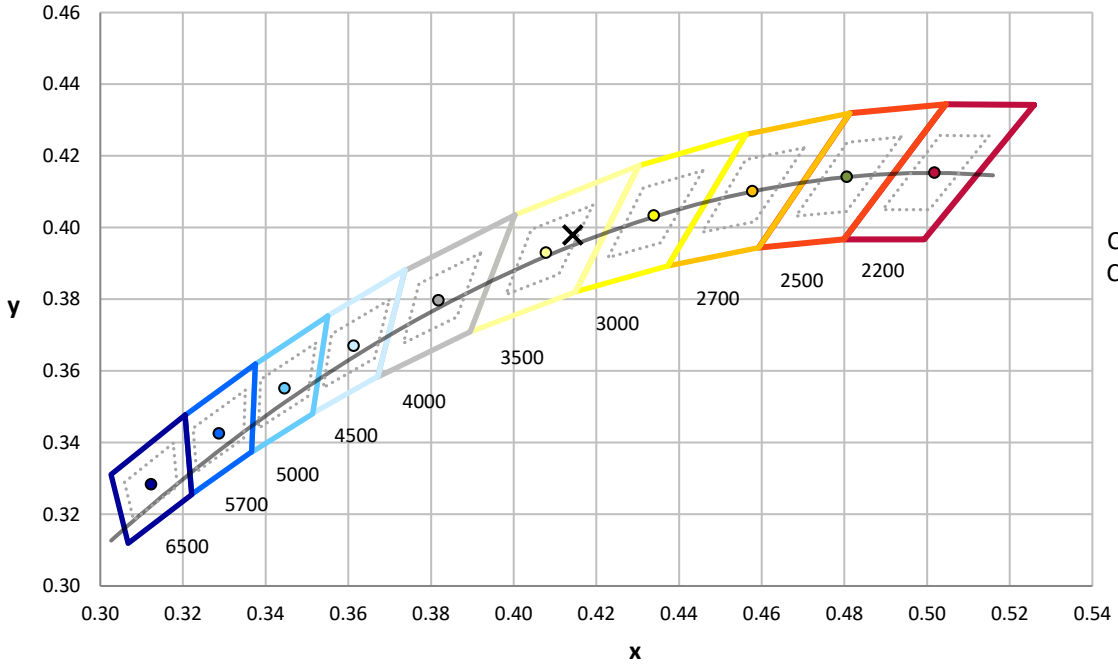
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

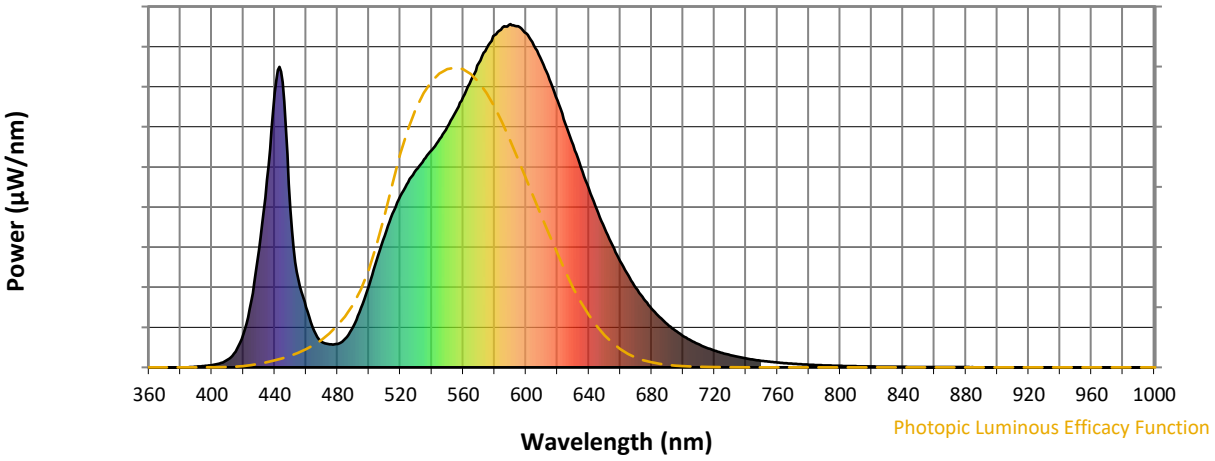


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

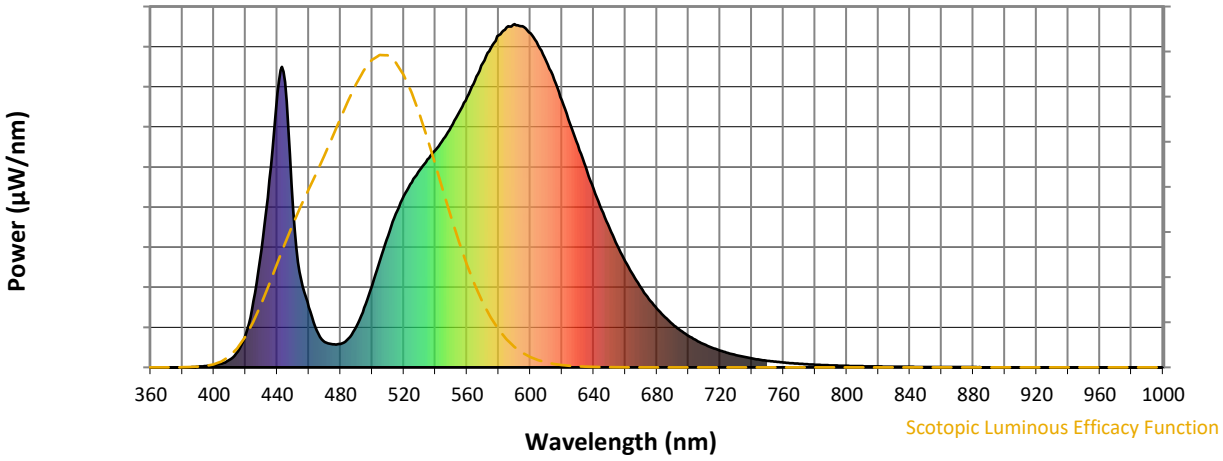


Photopic Lumens: NR

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

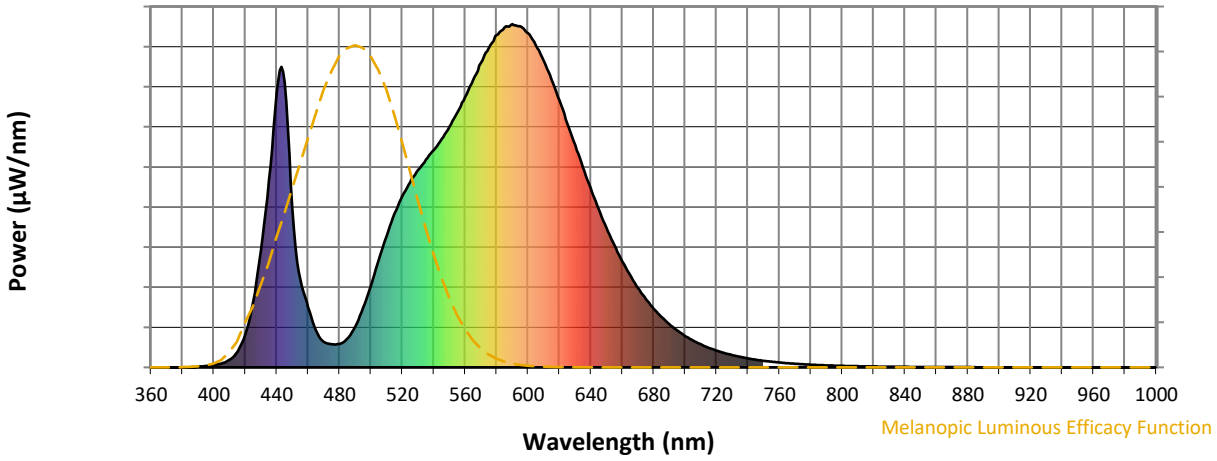


Scotopic Lumens: NR **S/P: 1.29**

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 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			

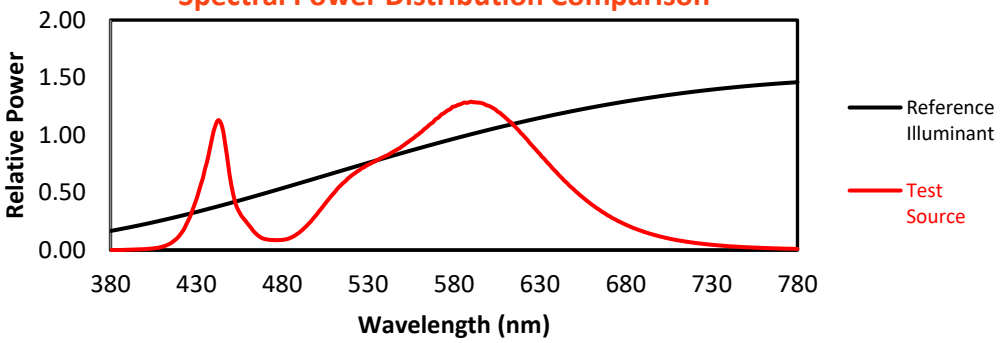
REPORT NUMBER: SP1-2407-184-5

TM-30-18

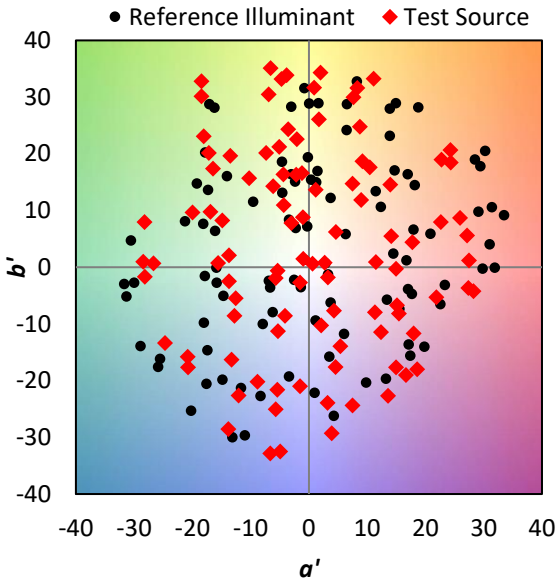
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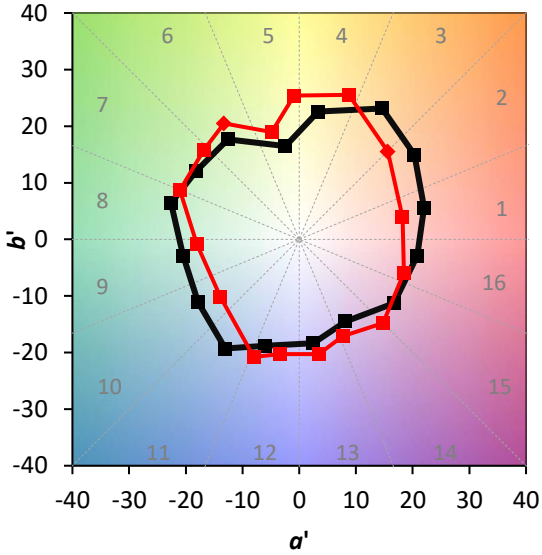
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

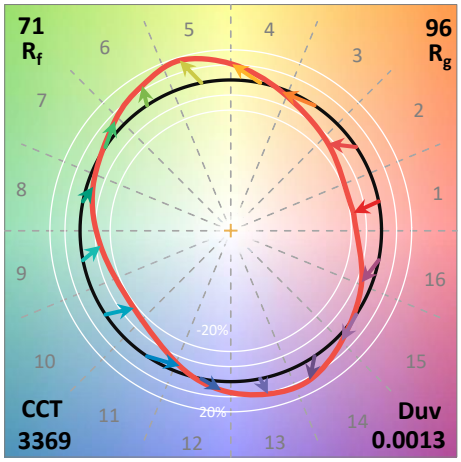
Spectral Power Distribution Comparison

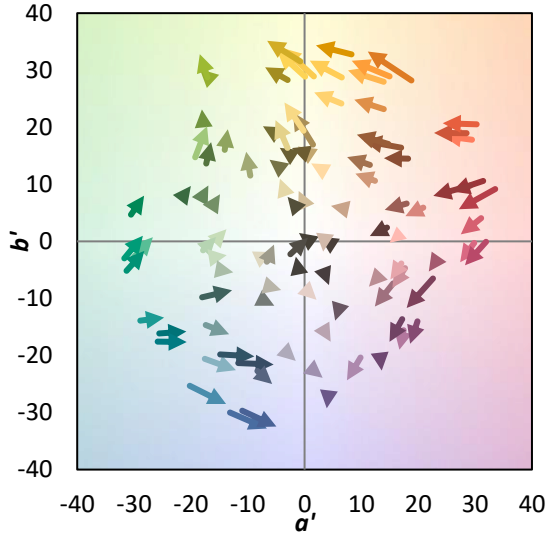


Color Vector Graphics







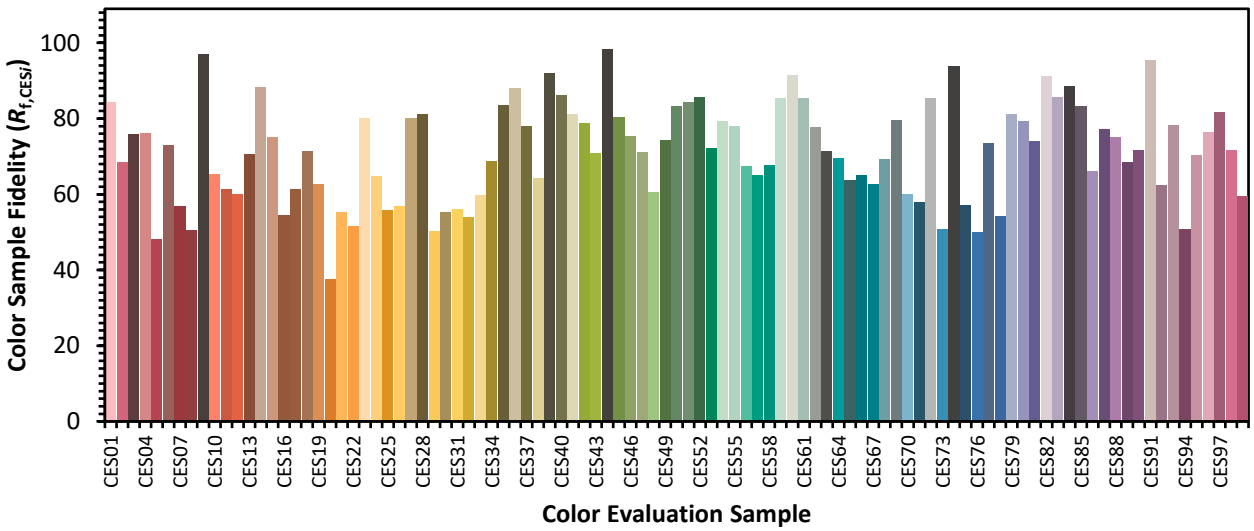


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Individual Sample Fidelity Index ($R_{f,i}$)

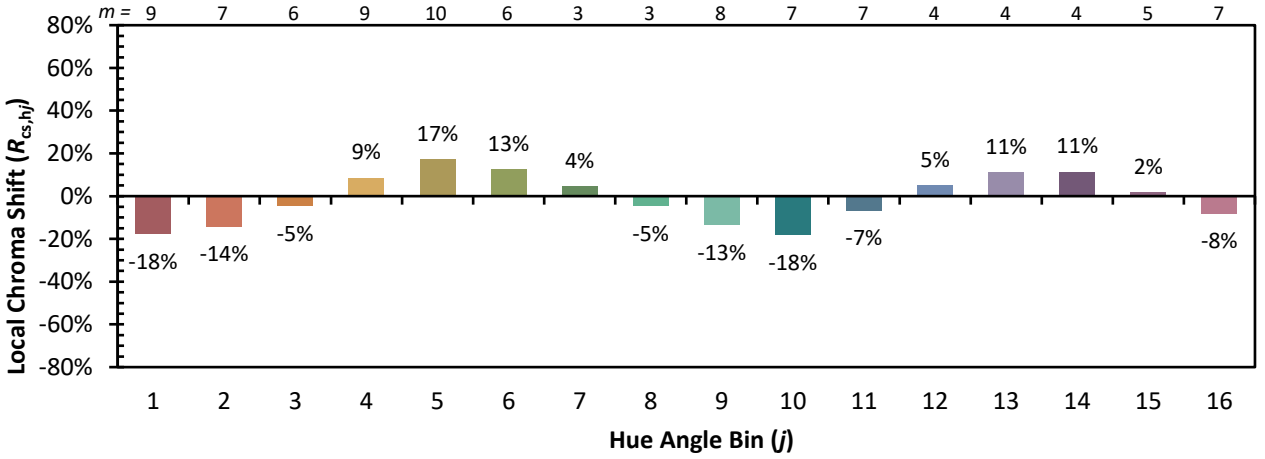
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	

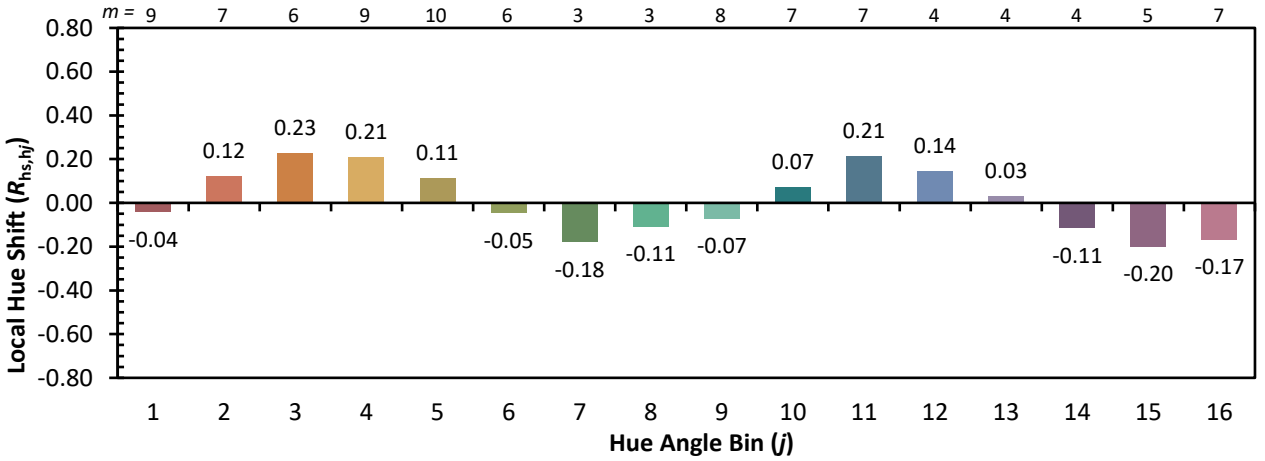


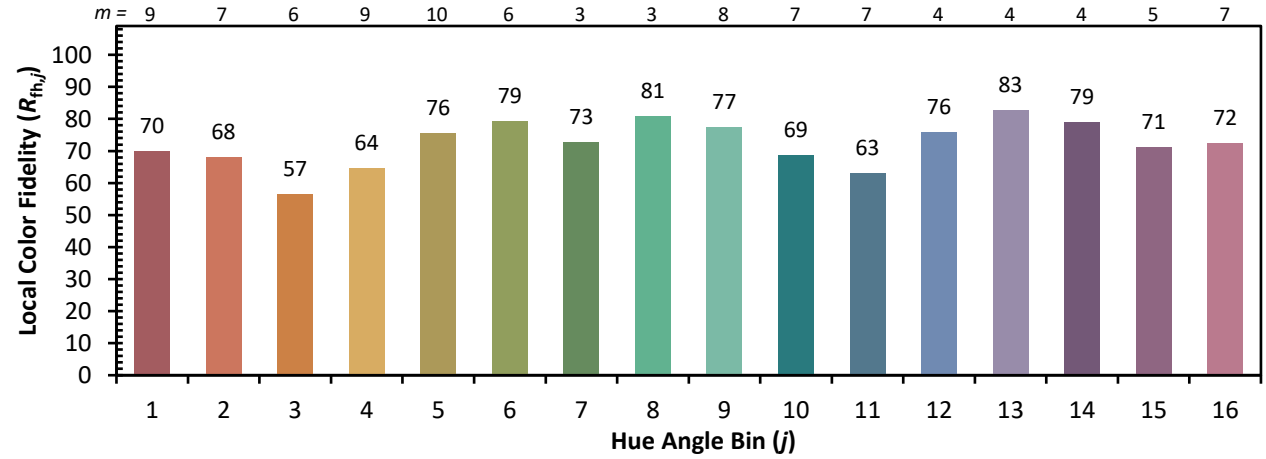
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Color Rendition by Hue-Angle Bin



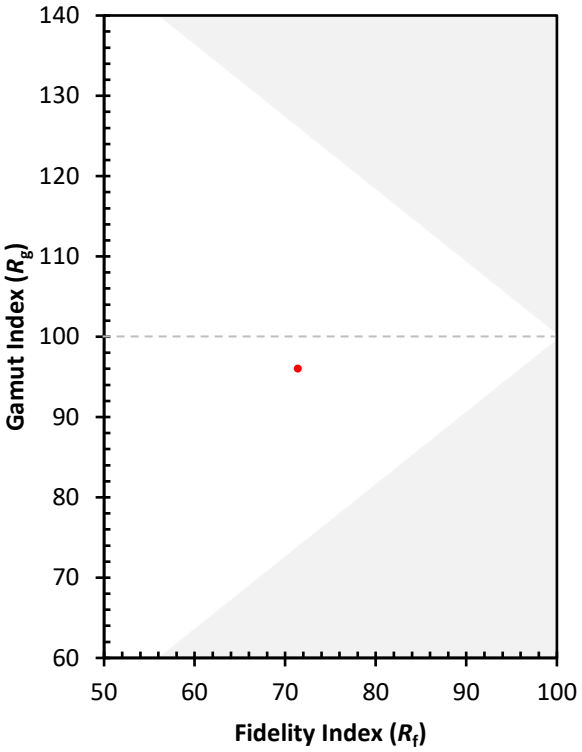


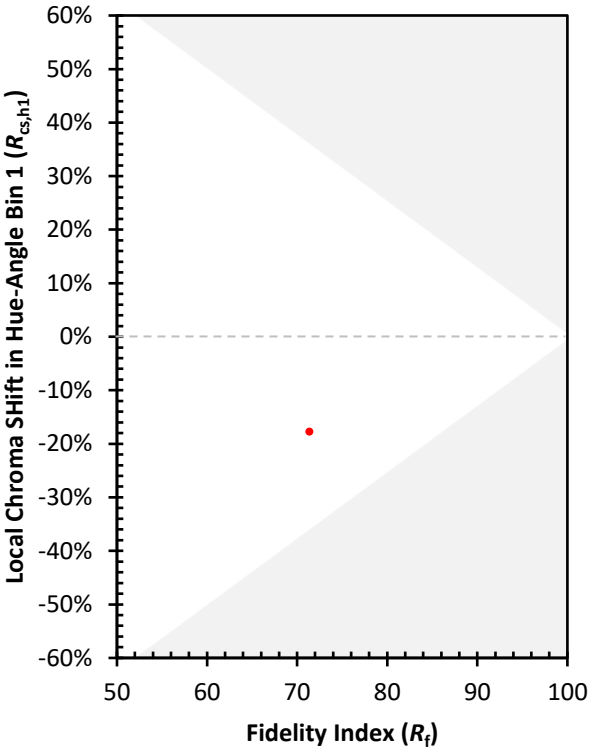


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Measure Comparisons





(END OF REPORT)