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: P1365377

Luminaire Tested: **GSS-SB3C-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:	P1365377
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-735-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15736 lumens
Efficiency:	N/A
Efficacy:	104.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

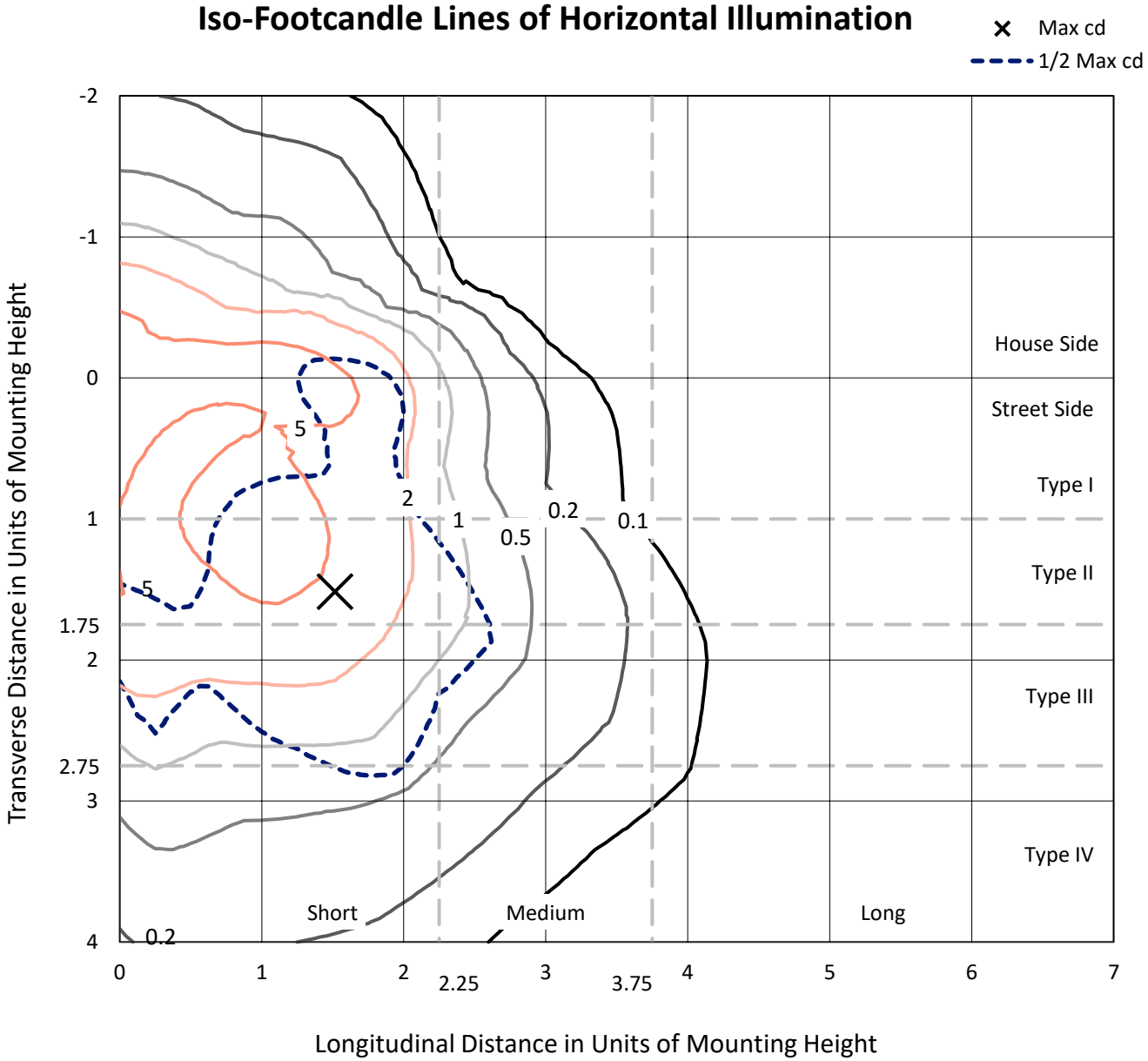
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



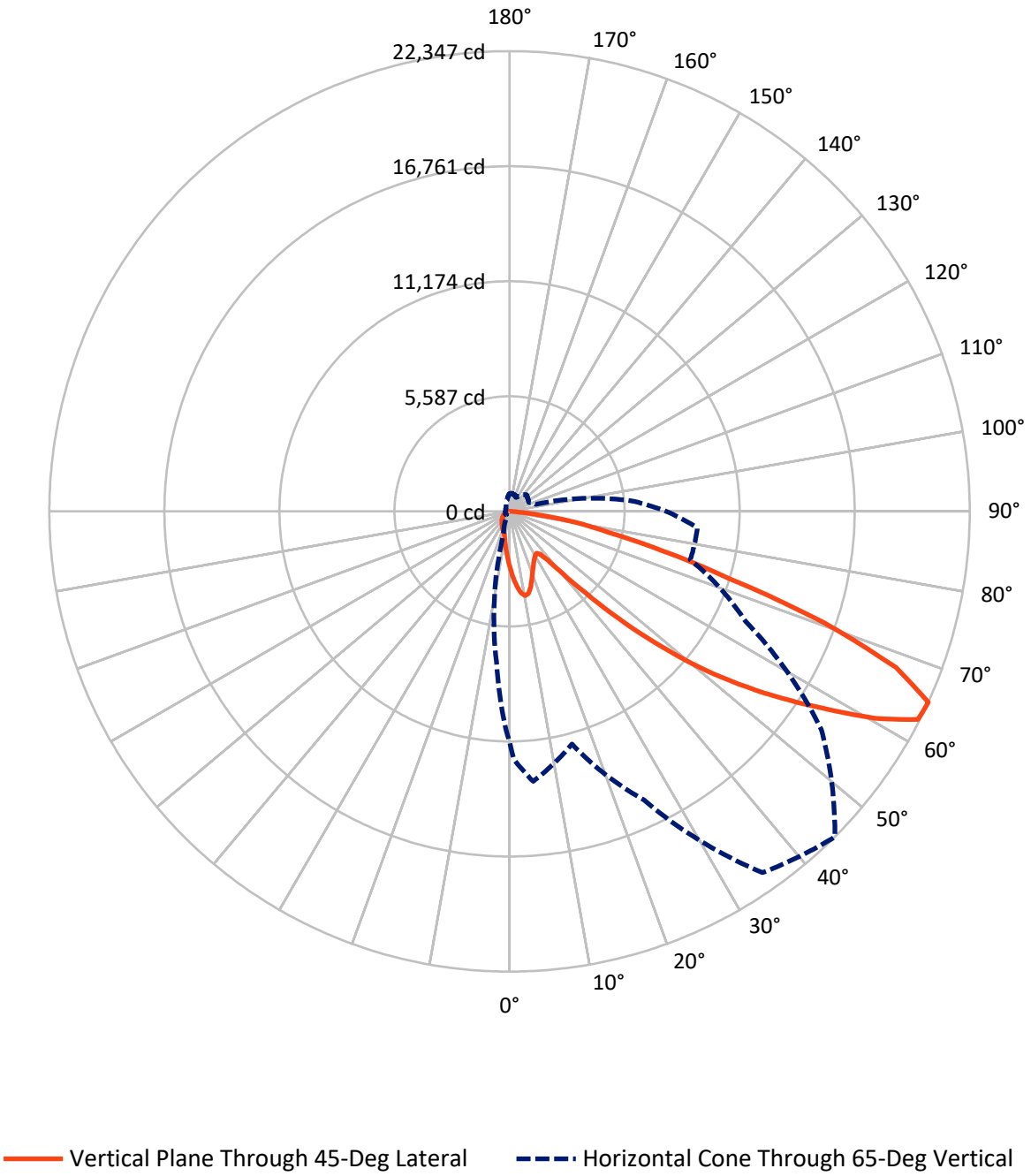
Based on 20 foot mounting height. Maximum calculated value = 9.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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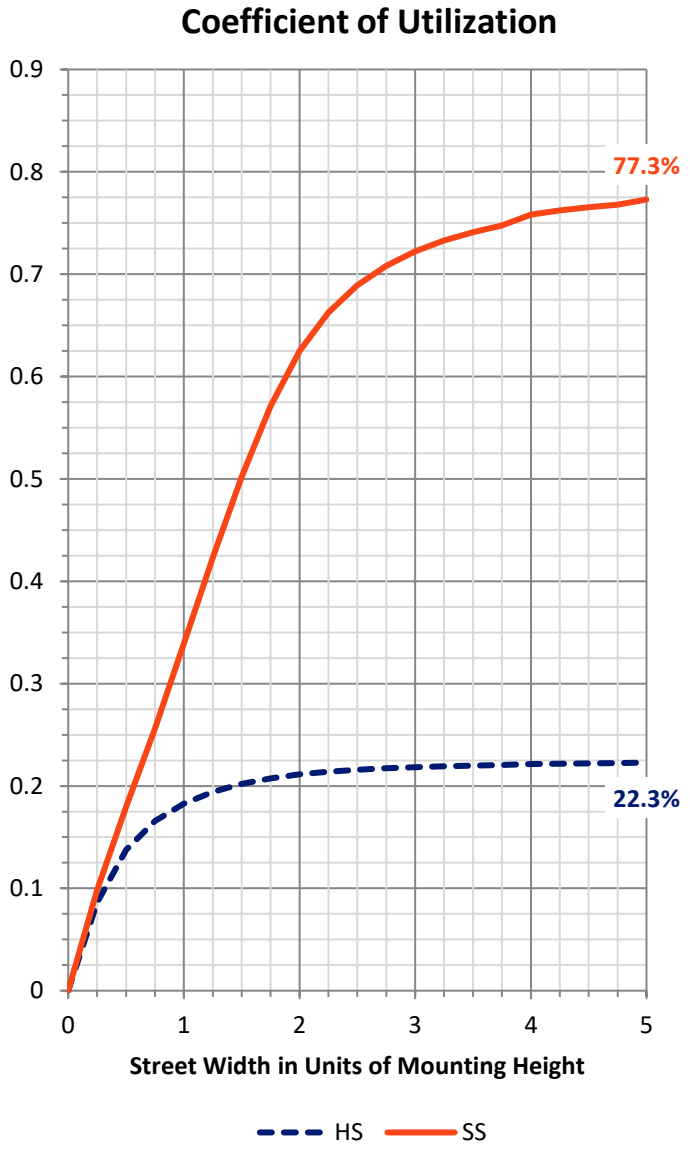
REPORT NUMBER: P1365377
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3539.8	0.0	3539.8
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	12196.2	0.0	12196.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	15736.0	0.0	15736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	1.7
10°-20°	722.6	4.6
20°-30°	1035.0	6.6
30°-40°	1298.3	8.3
40°-50°	2132.6	13.6
50°-60°	3850.5	24.5
60°-70°	4274.7	27.2
70°-80°	1932.3	12.3
80°-90°	228.7	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°	15736.0	100.0
0°-180°	15736.0	100.0



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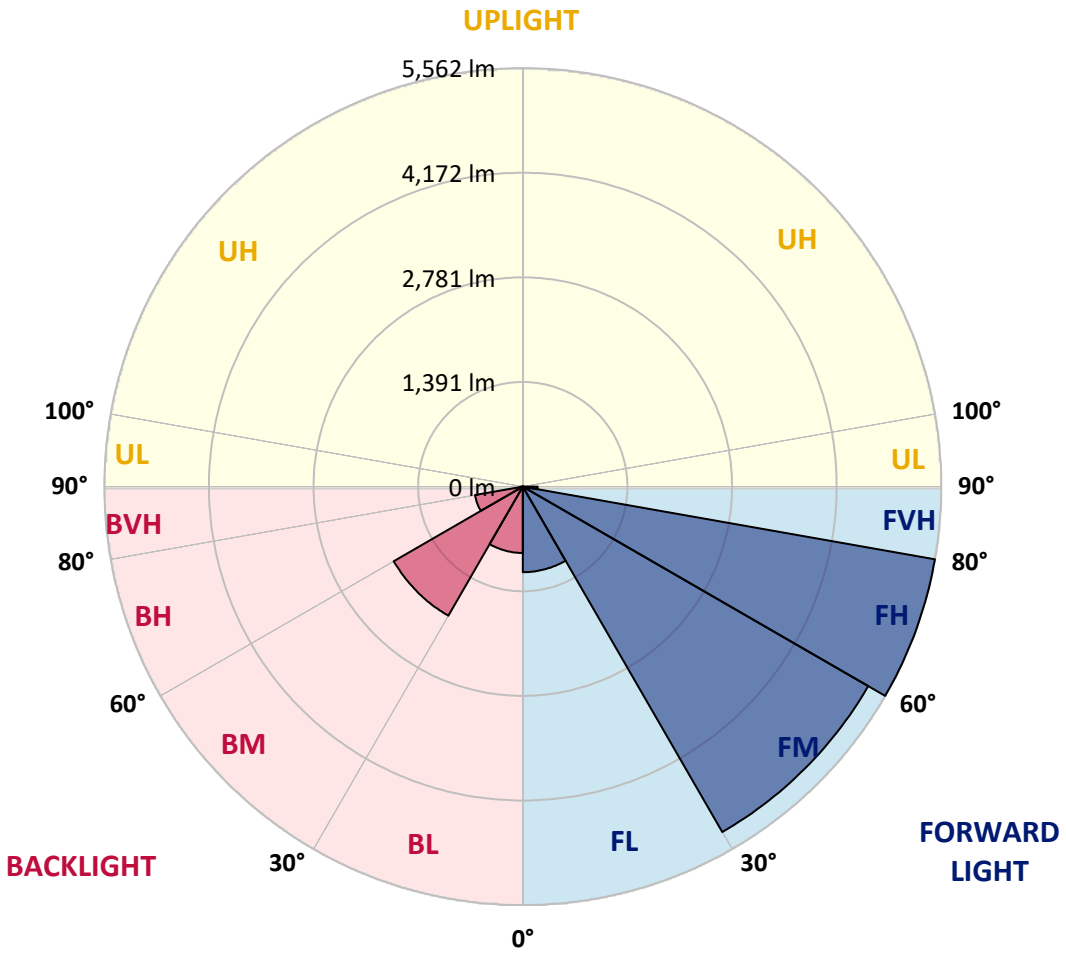
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1136.8	7.2			
FM	(30°-60°)	5300.9	33.7			
FH	(60°-80°)	5562.2	35.3			G3/7500
FVH	(80°-90°)	196.4	1.2			G2/225
BL	(0°-30°)	882.1	5.6	B2/1000		
BM	(30°-60°)	1980.6	12.6	B2/2500		
BH	(60°-80°)	644.8	4.1	B2/1000		G2/1000
BVH	(80°-90°)	32.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6
2.5°	2993.8	3032.5	3027.6	3080.7	3129.0	3162.8	3191.8	3182.1	3158.0	3109.7	3075.9
5°	3307.7	3336.7	3385.0	3486.4	3563.6	3631.2	3621.6	3631.2	3558.8	3486.4	3399.4
7.5°	3578.1	3611.9	3679.5	3824.4	3920.9	4003.0	3993.4	3964.4	3882.3	3761.6	3631.2
10°	3747.1	3771.3	3843.7	4007.9	4118.9	4186.5	4162.4	4114.1	4007.9	3887.1	3732.6
12.5°	3819.5	3848.5	3911.3	4041.7	4114.1	4099.6	4089.9	4080.3	4027.2	3935.4	3795.4
15°	3829.2	3848.5	3896.8	3954.7	3925.8	3843.7	3824.4	3896.8	3964.4	3945.1	3829.2
17.5°	3829.2	3858.2	3867.8	3809.9	3660.2	3510.5	3491.2	3611.9	3800.2	3949.9	3882.3
20°	3843.7	3858.2	3838.9	3650.5	3370.5	3206.3	3172.5	3322.2	3602.2	3896.8	3935.4
22.5°	3863.0	3877.5	3795.4	3462.2	3133.9	2960.0	2940.7	3051.8	3380.1	3819.5	3993.4
25°	3901.6	3892.0	3766.4	3298.0	2926.2	2762.0	2733.1	2877.9	3196.6	3742.3	4089.9
27.5°	3949.9	3906.5	3727.8	3162.8	2776.5	2602.7	2583.4	2723.4	3042.1	3645.7	4172.0
30°	4012.7	3969.2	3723.0	3056.6	2665.5	2491.6	2467.5	2622.0	2935.9	3578.1	4287.9
32.5°	4099.6	4036.8	3727.8	2974.5	2602.7	2438.5	2424.0	2588.2	2892.4	3539.5	4408.6
35°	4215.5	4123.8	3747.1	2945.5	2622.0	2510.9	2544.7	2670.3	2935.9	3568.4	4606.6
37.5°	4360.4	4273.4	3843.7	3008.3	2834.5	2911.7	2998.7	3046.9	3143.5	3703.6	4925.3
40°	4601.8	4481.1	3988.5	3211.1	3404.3	3766.4	3935.4	3916.1	3694.0	4012.7	5374.4
42.5°	4939.8	4828.7	4283.1	3727.8	4355.5	5123.3	5408.2	5244.0	4572.8	4505.2	6113.2
45°	5456.5	5273.0	4679.1	4495.6	5504.8	6765.1	7407.3	6842.3	5688.3	5282.6	7165.9
47.5°	6118.0	5934.5	5297.1	5263.3	6789.2	8793.1	9556.1	8445.5	6794.0	6301.5	8426.2
50°	7180.3	6977.5	6204.9	6045.6	8208.9	10816.4	11835.3	10043.8	7919.1	7383.2	9981.0
52.5°	8638.6	8503.4	7643.9	6852.0	9478.8	13047.3	13926.1	11714.5	8788.3	8619.3	11675.9
55°	10671.5	10541.2	9517.5	7750.1	10681.2	15283.0	15992.8	13235.6	9546.4	10067.9	13448.1
57.5°	12974.8	13192.1	12081.5	8947.7	11946.3	17084.1	18074.0	14616.6	10570.1	12004.3	15418.2
60°	14476.6	15162.3	15022.2	11038.5	13911.6	19324.6	20401.5	16466.0	12067.0	13428.7	15374.7
62.5°	13172.8	13858.5	14930.5	13462.5	15804.5	21352.7	22260.5	18412.0	13554.3	12294.0	12912.1
65°	11178.6	12033.2	13163.2	11695.2	15471.3	21415.5	22347.4	18484.4	12646.5	9087.7	9155.3
67.5°	9633.4	10391.5	11782.1	9952.0	13713.6	19503.3	20237.3	16490.2	10454.2	6026.3	5973.2
70°	8039.9	8735.2	10492.9	8860.8	12013.9	16808.9	16176.3	13863.3	8836.6	4003.0	3317.3
72.5°	6852.0	7494.2	9324.3	7962.6	9531.9	13621.9	11149.6	11502.1	7190.0	2544.7	2259.9
75°	5668.9	6258.1	7928.8	7209.3	7885.3	8498.6	7706.7	8170.2	5924.9	2158.5	1743.2
77.5°	3978.9	4345.9	5562.7	5736.6	6137.3	5031.6	4886.7	5722.1	4215.5	1072.0	734.0
80°	1960.5	2187.4	2902.1	3413.9	2902.1	2853.8	3254.6	3809.9	2187.4	656.7	405.6
82.5°	878.8	1043.0	1337.6	2066.7	1047.8	1139.6	1439.0	2028.1	994.7	391.1	173.8
85°	140.0	154.5	260.8	347.7	284.9	439.4	420.1	396.0	212.5	106.2	48.3
87.5°	4.8	4.8	4.8	9.7	14.5	19.3	24.1	24.1	24.1	24.1	24.1
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°	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6
2.5°	3066.3	3051.8	2979.3	2906.9	2844.1	2781.4	2718.6	2631.7	2564.1	2506.1	2482.0
5°	3356.0	3278.7	3167.7	3046.9	2940.7	2820.0	2704.1	2573.7	2467.5	2356.4	2298.5
7.5°	3554.0	3476.7	3293.2	3109.7	2979.3	2849.0	2728.2	2583.4	2443.3	2284.0	2197.1
10°	3645.7	3558.8	3360.8	3148.3	2989.0	2858.6	2747.6	2626.8	2486.8	2288.8	2172.9
12.5°	3708.5	3602.2	3375.3	3158.0	2998.7	2863.4	2757.2	2670.3	2588.2	2395.1	2259.9
15°	3747.1	3650.5	3413.9	3162.8	2984.2	2824.8	2723.4	2694.4	2708.9	2617.2	2453.0
17.5°	3805.1	3713.3	3462.2	3191.8	2960.0	2742.7	2631.7	2694.4	2824.8	2853.8	2723.4
20°	3882.3	3785.7	3525.0	3215.9	2887.6	2588.2	2482.0	2641.3	2858.6	3008.3	2935.9
22.5°	3969.2	3892.0	3597.4	3240.1	2781.4	2385.4	2337.1	2530.3	2762.0	2955.2	2960.0
25°	4075.5	4003.0	3698.8	3264.2	2636.5	2211.6	2221.2	2385.4	2568.9	2766.9	2800.7
27.5°	4220.3	4152.7	3824.4	3293.2	2486.8	2071.5	2119.8	2240.5	2366.1	2486.8	2535.1
30°	4379.7	4326.6	3974.1	3351.2	2346.8	1989.4	2018.4	2100.5	2201.9	2274.3	2298.5
32.5°	4597.0	4510.1	4114.1	3346.3	2240.5	1950.8	1921.8	1946.0	2028.1	2100.5	2105.3
35°	4867.4	4799.8	4259.0	3259.4	2144.0	1931.5	1830.1	1815.6	1863.9	1936.3	1931.5
37.5°	5263.3	5205.4	4495.6	3124.2	2023.2	1883.2	1733.5	1685.2	1719.0	1767.3	1781.8
40°	5857.3	5707.6	4766.0	2974.5	1902.5	1796.3	1617.6	1550.0	1574.2	1627.3	1636.9
42.5°	6663.7	6378.8	5128.1	2771.7	1786.6	1665.9	1501.7	1429.3	1443.8	1492.1	1501.7
45°	7697.0	7267.3	5625.5	2559.2	1694.9	1530.7	1381.0	1303.8	1318.2	1371.4	1395.5
47.5°	8904.2	8315.1	6147.0	2332.3	1641.8	1424.5	1260.3	1202.4	1236.2	1289.3	1298.9
50°	10328.7	9734.8	6480.2	2148.8	1608.0	1342.4	1149.2	1125.1	1168.6	1212.0	1221.7
52.5°	11883.5	11038.5	6267.7	1999.1	1579.0	1313.4	1072.0	1081.6	1115.4	1158.9	1173.4
55°	13394.9	11516.6	5562.7	1806.0	1545.2	1332.7	1014.0	1038.2	1081.6	1115.4	1125.1
57.5°	14380.0	11115.8	4481.1	1603.1	1506.6	1347.2	985.1	1004.4	1052.7	1091.3	1096.1
60°	13520.5	10236.9	3356.0	1429.3	1424.5	1323.1	975.4	946.4	1014.0	1047.8	1052.7
62.5°	11077.1	8373.0	2144.0	1265.1	1270.0	1270.0	970.6	849.9	936.8	965.7	960.9
65°	*7610.1*	*5920.0*	*1327.9*	*1033.4*	*1081.6*	*1154.1*	*941.6*	*748.5*	*849.9*	*878.8*	*869.2*
67.5°	5002.6	3761.6	820.9	796.7	888.5	999.6	883.7	671.2	762.9	782.3	753.3
70°	2713.8	1772.2	540.8	521.5	695.3	787.1	748.5	603.6	680.9	700.2	671.2
72.5°	1791.5	1018.9	381.5	381.5	545.6	550.5	613.3	540.8	603.6	622.9	593.9
75°	1347.2	656.7	265.6	294.6	347.7	429.8	439.4	453.9	511.8	536.0	507.0
77.5°	618.1	241.4	159.3	217.3	241.4	328.4	280.1	338.0	381.5	391.1	367.0
80°	357.3	135.2	106.2	140.0	154.5	270.4	164.2	202.8	270.4	284.9	255.9
82.5°	149.7	67.6	72.4	86.9	91.7	149.7	115.9	130.4	178.7	173.8	154.5
85°	43.5	43.5	48.3	53.1	53.1	86.9	82.1	77.3	82.1	82.1	67.6
87.5°	29.0	29.0	29.0	33.8	33.8	38.6	43.5	48.3	48.3	48.3	43.5
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°	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6
2.5°	2448.2	2404.7	2341.9	2332.3	2298.5	2274.3	2298.5	2322.6	2366.1	2370.9	2390.2
5°	2245.4	2144.0	2066.7	1979.8	1936.3	1931.5	1921.8	1950.8	2013.6	2052.2	2081.2
7.5°	2110.2	1926.7	1791.5	1670.7	1627.3	1593.5	1622.5	1617.6	1699.7	1733.5	1762.5
10°	2037.7	1781.8	1579.0	1429.3	1371.4	1337.6	1332.7	1342.4	1390.7	1424.5	1458.3
12.5°	2086.0	1723.9	1424.5	1250.6	1187.9	1149.2	1115.4	1115.4	1125.1	1168.6	1183.0
15°	2245.4	1757.7	1352.0	1163.7	1081.6	1018.9	975.4	941.6	946.4	951.3	965.7
17.5°	2477.1	1844.6	1327.9	1110.6	1023.7	946.4	903.0	864.3	854.7	854.7	849.9
20°	2699.3	1912.2	1308.6	1067.2	956.1	888.5	849.9	816.1	801.6	801.6	801.6
22.5°	2791.0	1970.1	1284.4	1014.0	888.5	825.7	791.9	767.8	762.9	762.9	758.1
25°	2718.6	1950.8	1255.5	960.9	825.7	777.4	748.5	724.3	719.5	724.3	719.5
27.5°	2491.6	1883.2	1216.8	917.5	777.4	734.0	709.8	685.7	680.9	685.7	685.7
30°	2250.2	1767.3	1154.1	883.7	738.8	690.5	666.4	642.2	642.2	647.1	651.9
32.5°	2057.0	1651.4	1081.6	840.2	695.3	651.9	627.7	603.6	603.6	613.3	613.3
35°	1892.9	1559.7	1009.2	796.7	656.7	608.4	589.1	569.8	565.0	574.6	579.4
37.5°	1762.5	1477.6	931.9	753.3	618.1	574.6	555.3	531.2	526.3	536.0	545.6
40°	1627.3	1385.9	864.3	700.2	579.4	536.0	516.7	487.7	487.7	497.4	507.0
42.5°	1496.9	1303.8	820.9	651.9	540.8	492.5	473.2	449.1	449.1	458.7	468.4
45°	1390.7	1226.5	796.7	603.6	497.4	453.9	429.8	410.4	415.3	424.9	434.6
47.5°	1289.3	1144.4	801.6	579.4	468.4	410.4	386.3	371.8	381.5	396.0	405.6
50°	1212.0	1086.5	806.4	540.8	429.8	376.6	352.5	342.8	357.3	371.8	381.5
52.5°	1163.7	1028.5	777.4	492.5	400.8	342.8	328.4	328.4	342.8	352.5	362.2
55°	1115.4	931.9	714.7	439.4	371.8	318.7	309.0	309.0	323.5	333.2	338.0
57.5°	1076.8	830.5	642.2	396.0	338.0	294.6	294.6	294.6	299.4	304.2	313.9
60°	1004.4	724.3	550.5	362.2	304.2	275.2	270.4	270.4	265.6	270.4	284.9
62.5°	878.8	608.4	468.4	323.5	275.2	251.1	246.3	231.8	217.3	222.1	231.8
65°	*743.6*	*482.9*	*391.1*	*280.1*	*236.6*	*222.1*	*217.3*	*193.1*	*173.8*	*178.7*	*193.1*
67.5°	593.9	362.2	328.4	241.4	202.8	188.3	188.3	173.8	159.3	159.3	169.0
70°	463.6	304.2	246.3	193.1	159.3	159.3	169.0	154.5	135.2	135.2	149.7
72.5°	376.6	246.3	198.0	149.7	125.5	135.2	140.0	125.5	111.1	111.1	120.7
75°	294.6	193.1	154.5	111.1	96.6	101.4	111.1	101.4	86.9	91.7	96.6
77.5°	202.8	130.4	101.4	82.1	72.4	77.3	77.3	72.4	67.6	67.6	72.4
80°	135.2	86.9	67.6	57.9	53.1	53.1	48.3	48.3	53.1	53.1	57.9
82.5°	96.6	62.8	53.1	43.5	33.8	33.8	38.6	38.6	43.5	43.5	48.3
85°	57.9	43.5	38.6	29.0	24.1	29.0	29.0	33.8	38.6	38.6	43.5
87.5°	43.5	33.8	29.0	24.1	19.3	19.3	24.1	24.1	29.0	33.8	33.8
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: P1365377
CATALOG NUMBER: GSS-SB3C-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6	2718.6
2.5°	2438.5	2496.5	2578.6	2651.0	2737.9	2824.8	2906.9	2984.2	2989.0	2993.8
5°	2172.9	2288.8	2424.0	2588.2	2762.0	2931.0	3109.7	3254.6	3288.4	3307.7
7.5°	1878.4	2047.4	2255.0	2486.8	2747.6	3008.3	3259.4	3476.7	3558.8	3578.1
10°	1569.3	1777.0	2028.1	2327.5	2680.0	3027.6	3365.6	3631.2	3727.8	3747.1
12.5°	1294.1	1463.1	1752.8	2115.0	2539.9	2998.7	3404.3	3698.8	3795.4	3819.5
15°	1057.5	1216.8	1487.3	1868.7	2346.8	2897.2	3375.3	3713.3	3809.9	3829.2
17.5°	874.0	975.4	1221.7	1636.9	2172.9	2766.9	3336.7	3723.0	3814.7	3829.2
20°	801.6	820.9	951.3	1356.9	1989.4	2670.3	3312.5	3737.5	3829.2	3843.7
22.5°	767.8	767.8	796.7	1033.4	1733.5	2568.9	3302.9	3780.9	3848.5	3863.0
25°	734.0	734.0	743.6	811.2	1429.3	2443.3	3322.2	3858.2	3901.6	3901.6
27.5°	700.2	700.2	709.8	724.3	1062.3	2235.7	3327.0	3945.1	3964.4	3949.9
30°	666.4	676.0	676.0	685.7	782.3	1975.0	3298.0	4041.7	4041.7	4012.7
32.5°	632.6	637.4	647.1	651.9	680.9	1636.9	3249.7	4162.4	4138.2	4099.6
35°	603.6	608.4	608.4	618.1	647.1	1308.6	3196.6	4326.6	4259.0	4215.5
37.5°	565.0	569.8	574.6	584.3	613.3	1038.2	3119.4	4466.6	4418.3	4360.4
40°	531.2	536.0	540.8	550.5	579.4	893.3	3022.8	4679.1	4669.4	4601.8
42.5°	492.5	502.2	507.0	511.8	550.5	816.1	2955.2	5021.9	5021.9	4939.8
45°	458.7	468.4	468.4	478.0	531.2	748.5	3104.9	5495.1	5533.7	5456.5
47.5°	429.8	434.6	434.6	439.4	502.2	690.5	3505.7	6219.4	6171.1	6118.0
50°	400.8	410.4	400.8	405.6	478.0	724.3	4167.2	7146.5	7272.1	7180.3
52.5°	381.5	386.3	367.0	367.0	444.2	767.8	4708.0	8329.6	8749.7	8638.6
55°	357.3	362.2	338.0	338.0	391.1	666.4	4741.8	9676.8	10599.1	10671.5
57.5°	333.2	333.2	313.9	309.0	338.0	540.8	4205.8	10719.8	12810.7	12974.8
60°	304.2	299.4	289.7	280.1	309.0	497.4	3206.3	10579.8	13906.8	14476.6
62.5°	260.8	270.4	265.6	246.3	280.1	463.6	2090.8	9155.3	12670.6	13172.8
65°	*217.3*	*231.8*	*231.8*	*217.3*	*309.0*	*405.6*	*1101.0*	*7330.0*	*10575.0*	*11178.6*
67.5°	193.1	202.8	198.0	188.3	275.2	255.9	531.2	5620.7	9053.9	9633.4
70°	169.0	178.7	164.2	154.5	222.1	183.5	313.9	3761.6	7474.9	8039.9
72.5°	140.0	149.7	135.2	120.7	164.2	140.0	207.6	2448.2	6224.3	6852.0
75°	115.9	120.7	111.1	96.6	120.7	111.1	144.9	1598.3	5205.4	5668.9
77.5°	82.1	91.7	86.9	72.4	86.9	77.3	101.4	912.6	3631.2	3978.9
80°	62.8	62.8	62.8	57.9	53.1	53.1	67.6	410.4	1762.5	1960.5
82.5°	53.1	53.1	48.3	43.5	38.6	33.8	38.6	120.7	830.5	878.8
85°	48.3	38.6	33.8	29.0	24.1	14.5	14.5	33.8	169.0	140.0
87.5°	29.0	24.1	19.3	9.7	4.8	4.8	0.0	4.8	4.8	4.8
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

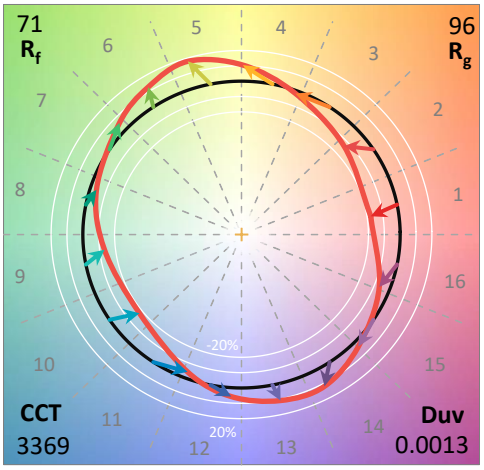
Test Information

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

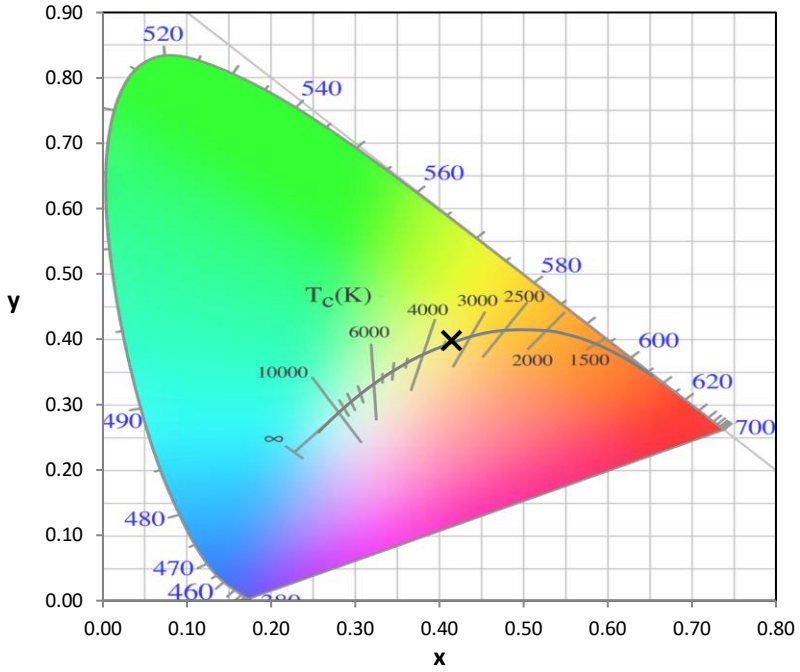
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

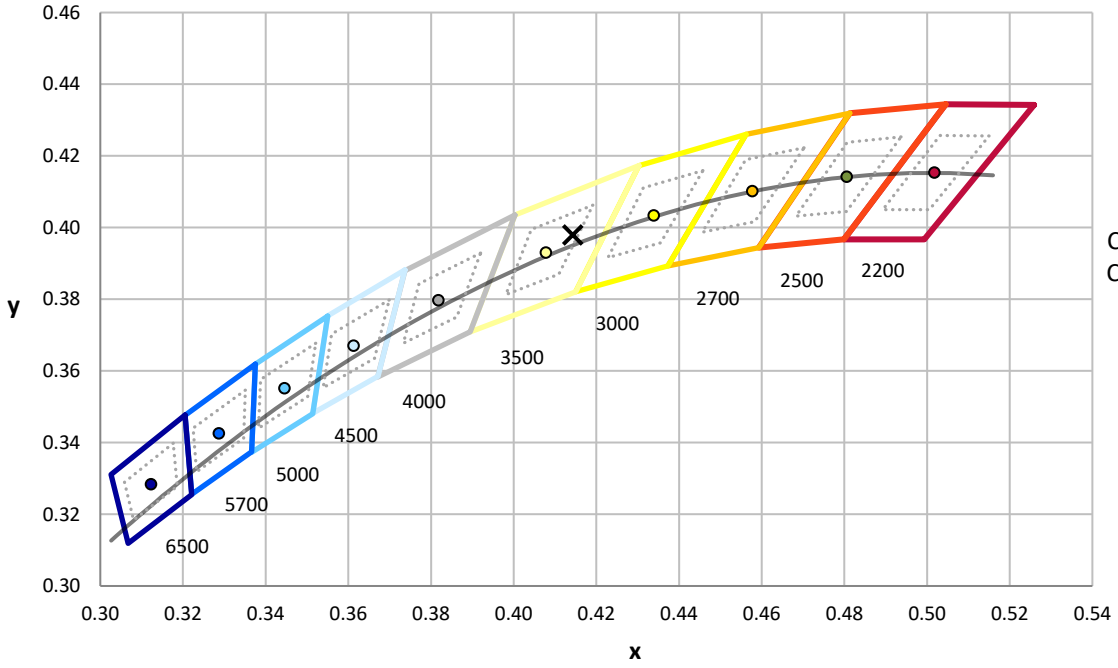
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

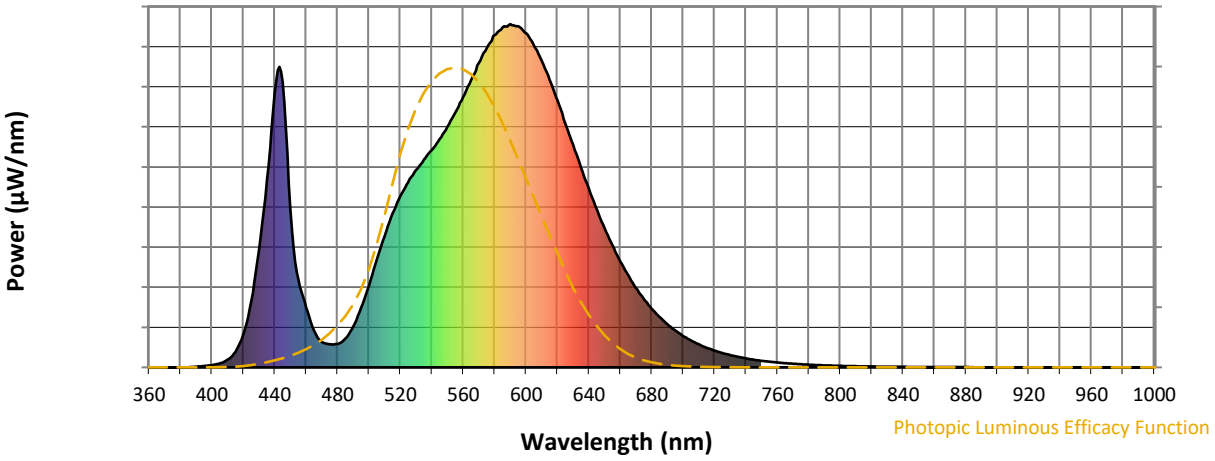


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

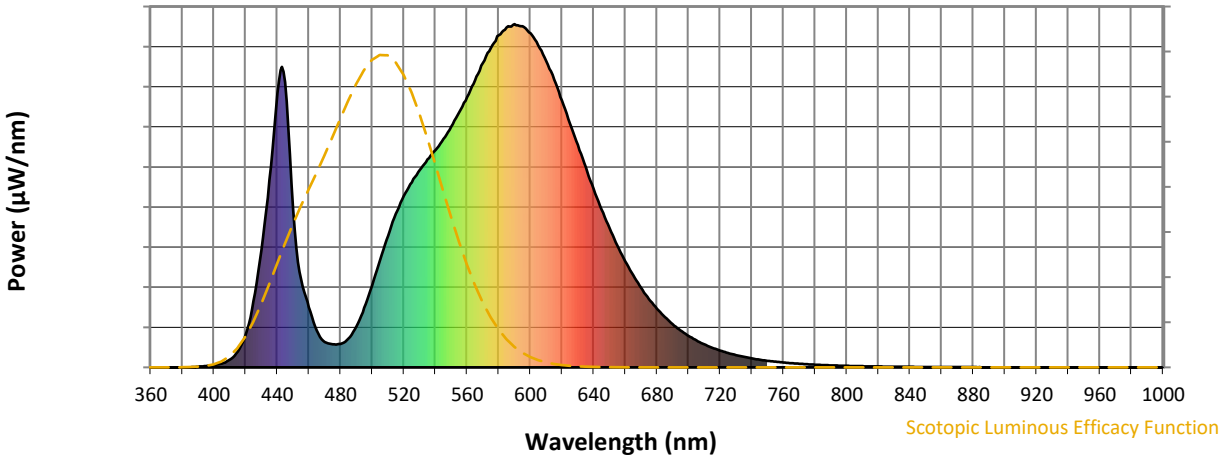


Photopic Lumens: NR

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

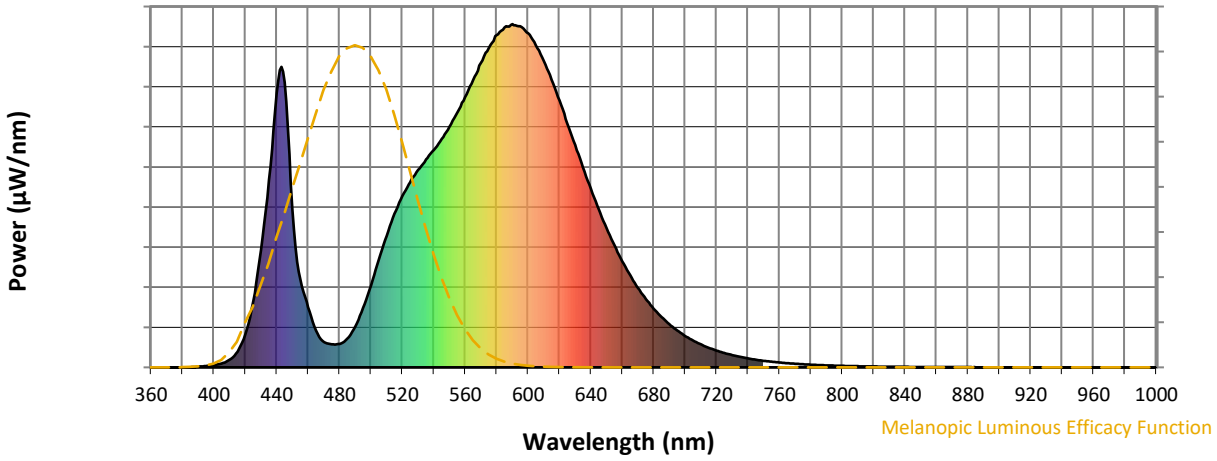


Scotopic Lumens: NR **S/P: 1.29**

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			

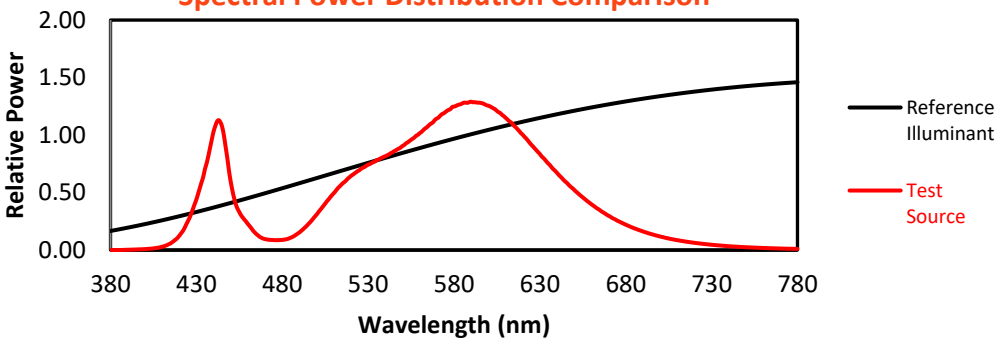
REPORT NUMBER: SP1-2407-184-5

TM-30-18

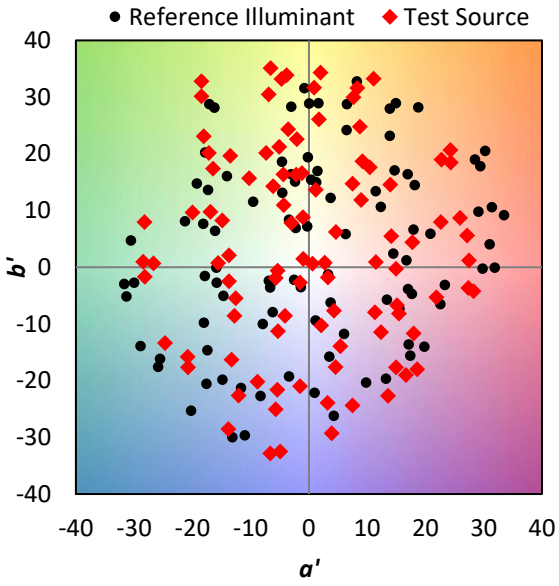
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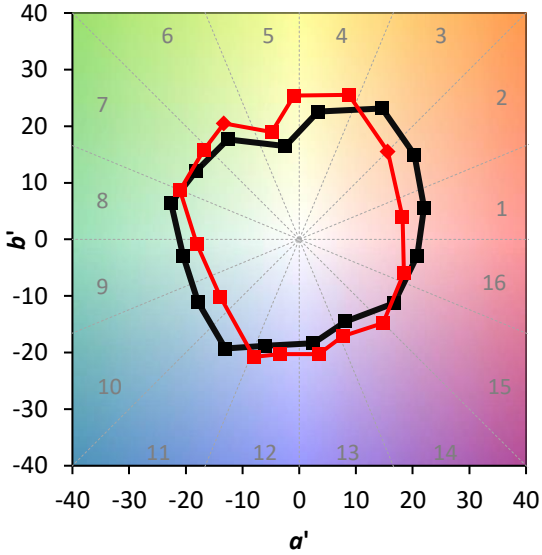
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

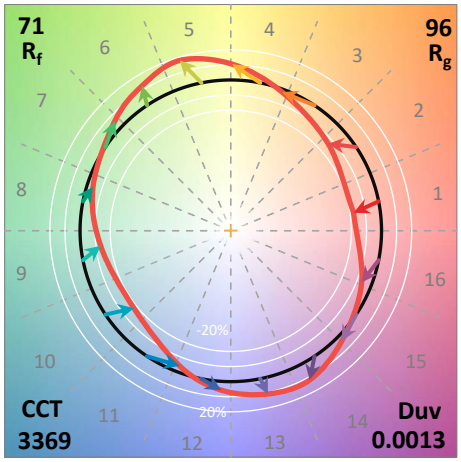
Spectral Power Distribution Comparison

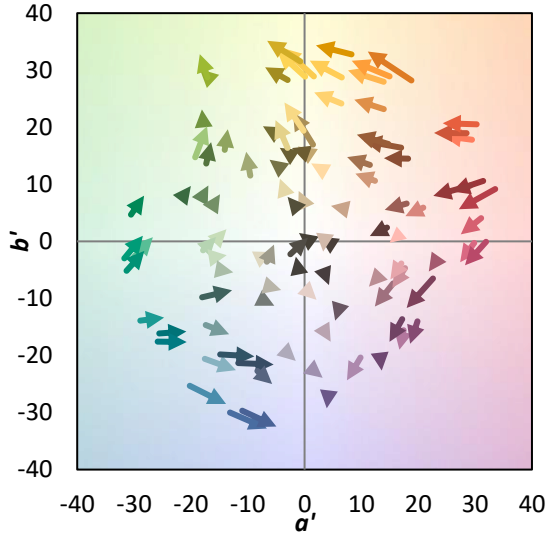


Color Vector Graphics







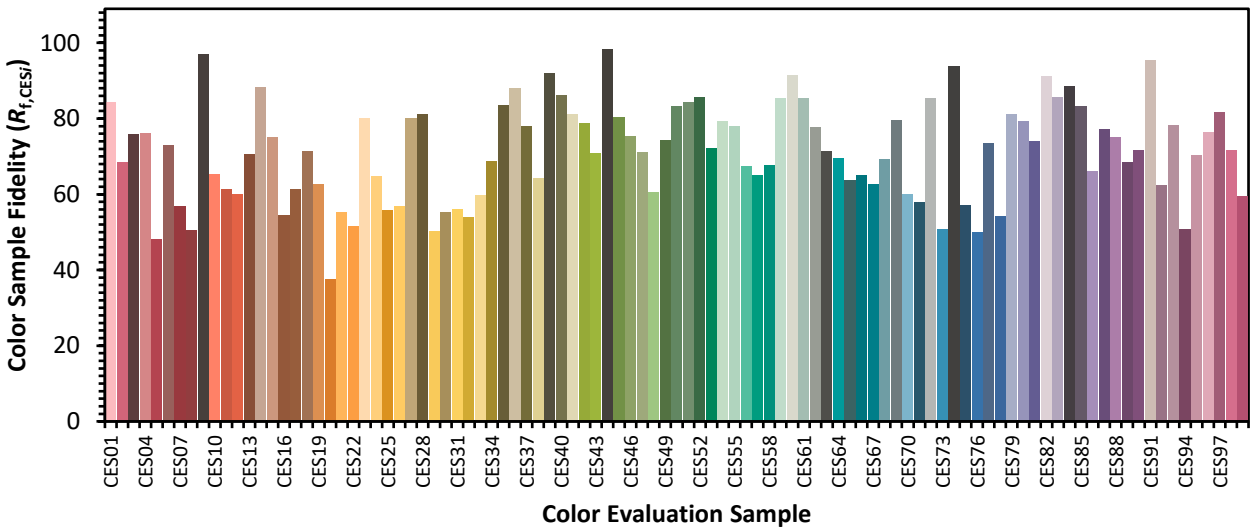


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Individual Sample Fidelity Index ($R_{f,i}$)

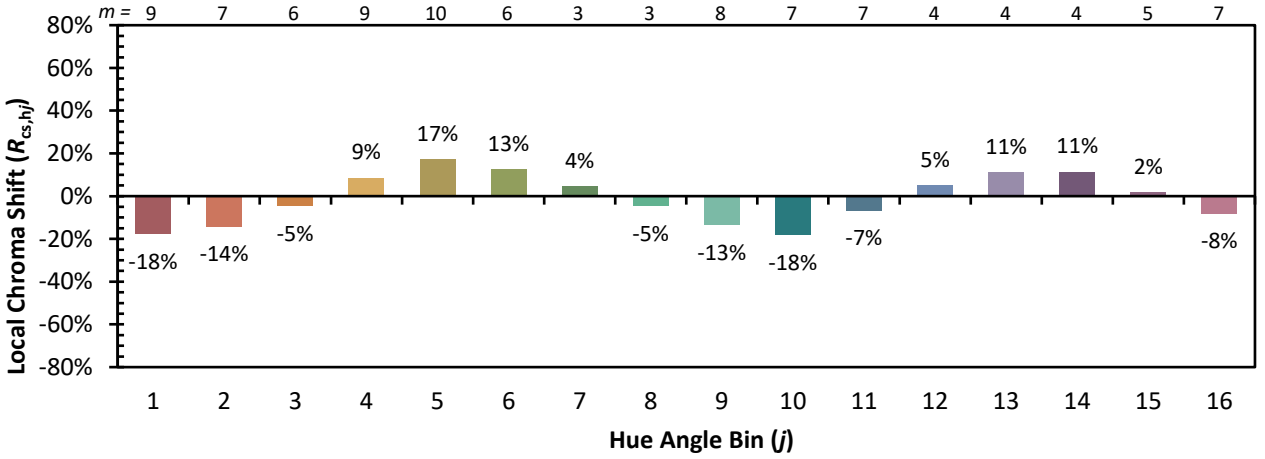
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CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57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

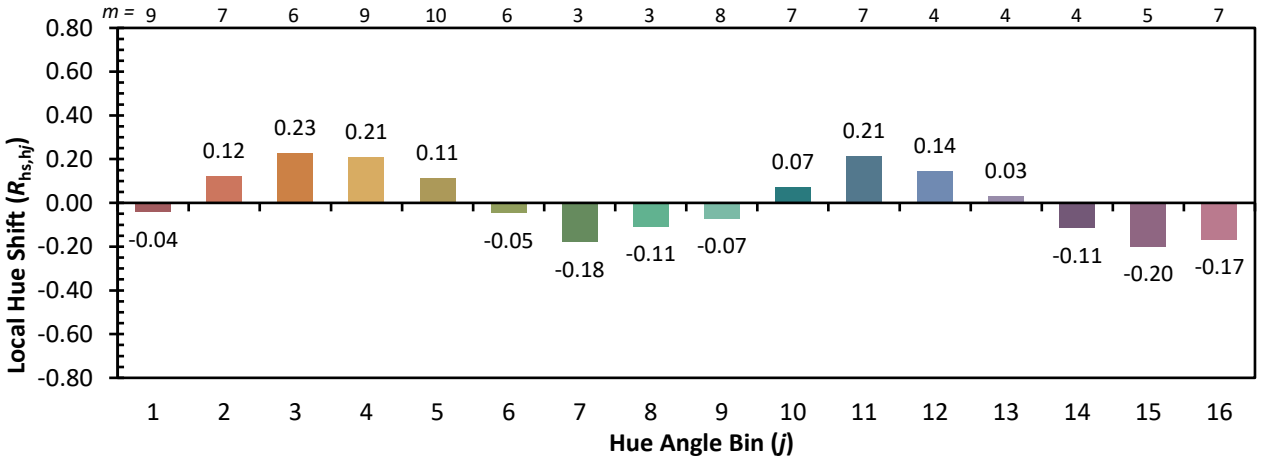


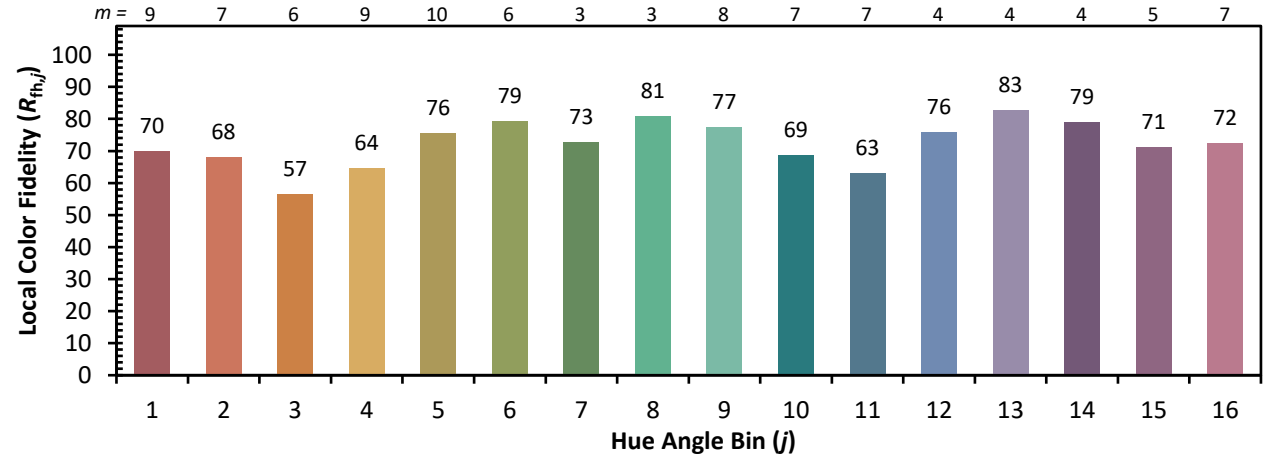
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Color Rendition by Hue-Angle Bin



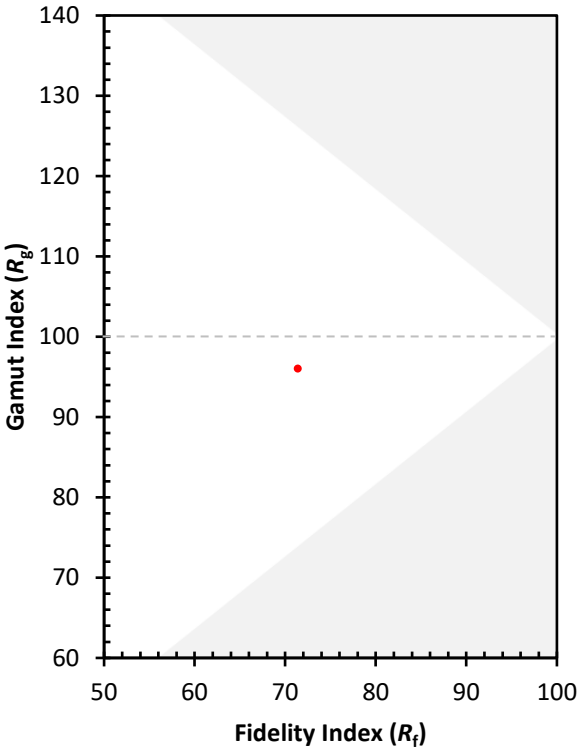


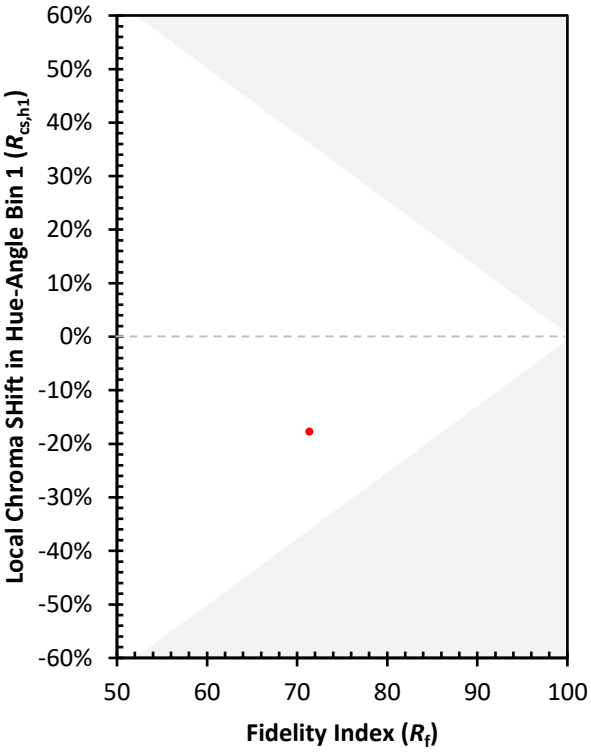


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Measure Comparisons





(END OF REPORT)