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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501930

Luminaire Tested: GSS-SB2B-835-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501930
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-835-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7884.4 lumens
Efficiency:	N/A
Efficacy:	106.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

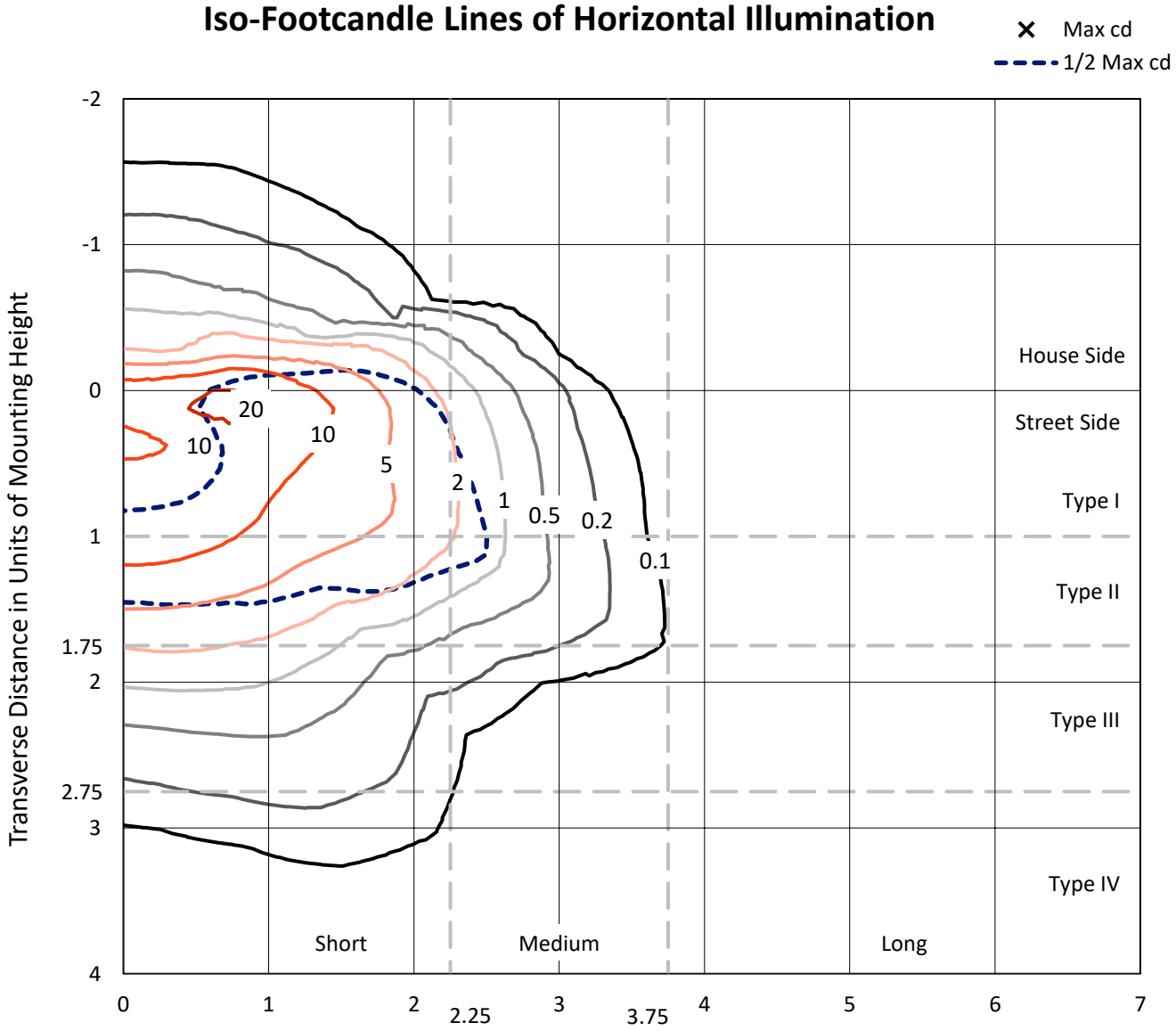
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



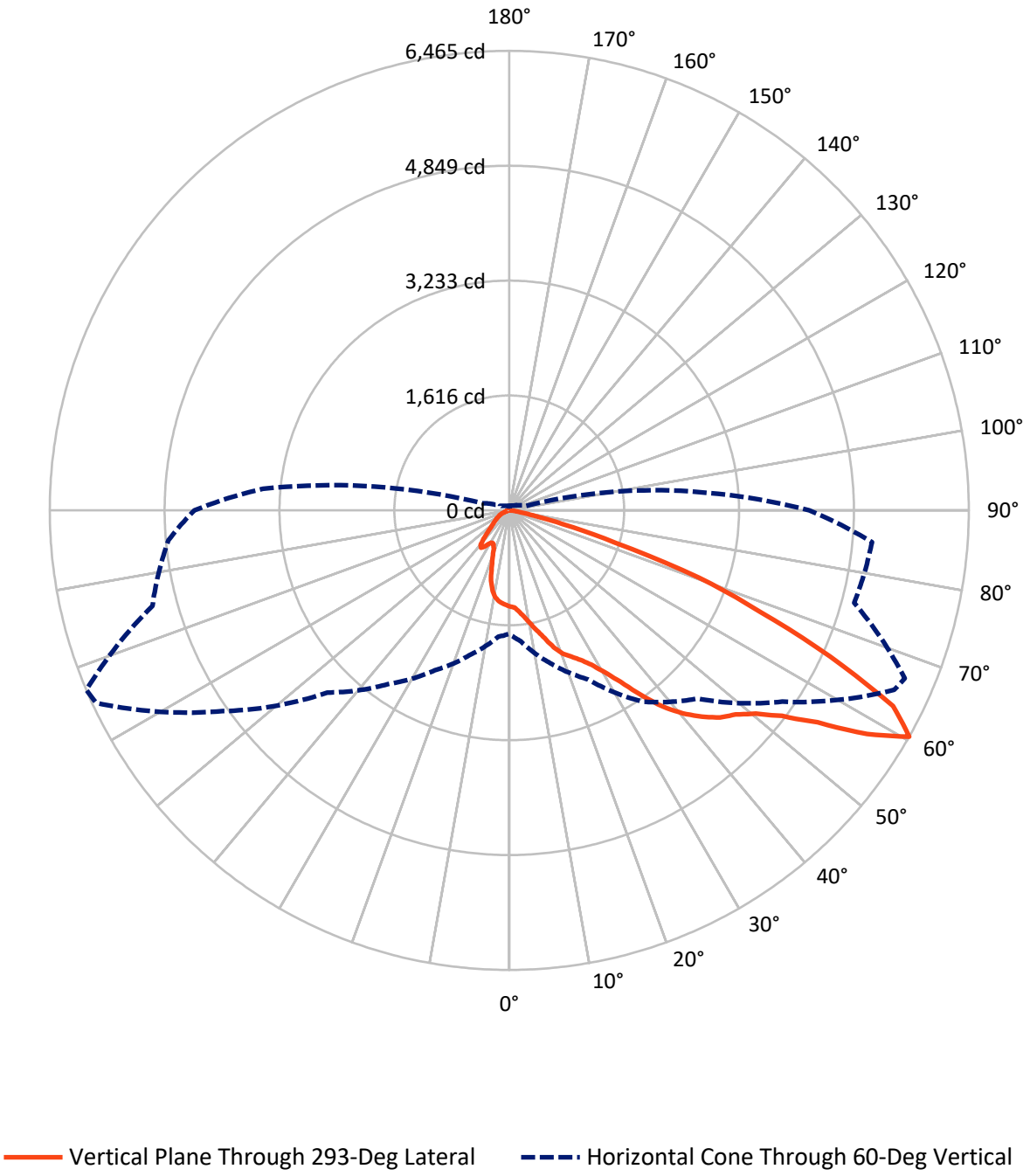
Based on 10 foot mounting height. Maximum calculated value = 22.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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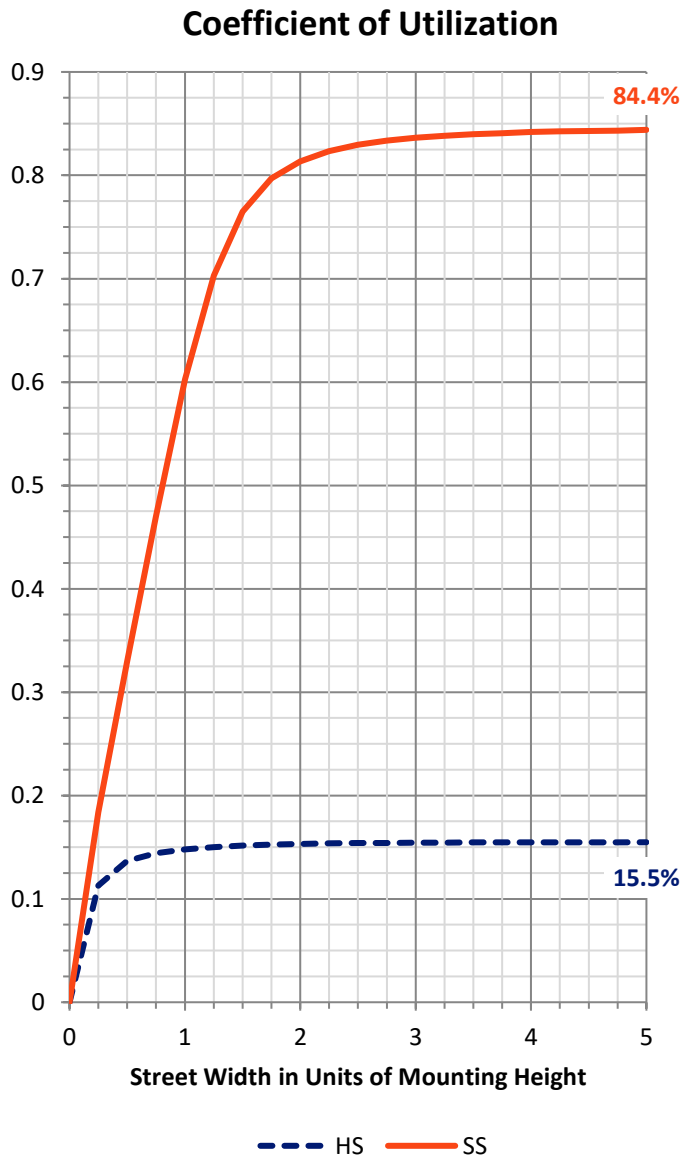
REPORT NUMBER: P1501930
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1230.1	0.0	1230.1
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	6654.2	0.0	6654.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	7884.4	0.0	7884.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	1.6
10°-20°	308.2	3.9
20°-30°	575.3	7.3
30°-40°	1140.8	14.5
40°-50°	1818.9	23.1
50°-60°	2173.1	27.6
60°-70°	1424.6	18.1
70°-80°	298.5	3.8
80°-90°	22.6	0.3
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°	7884.4	100.0
0°-180°	7884.4	100.0



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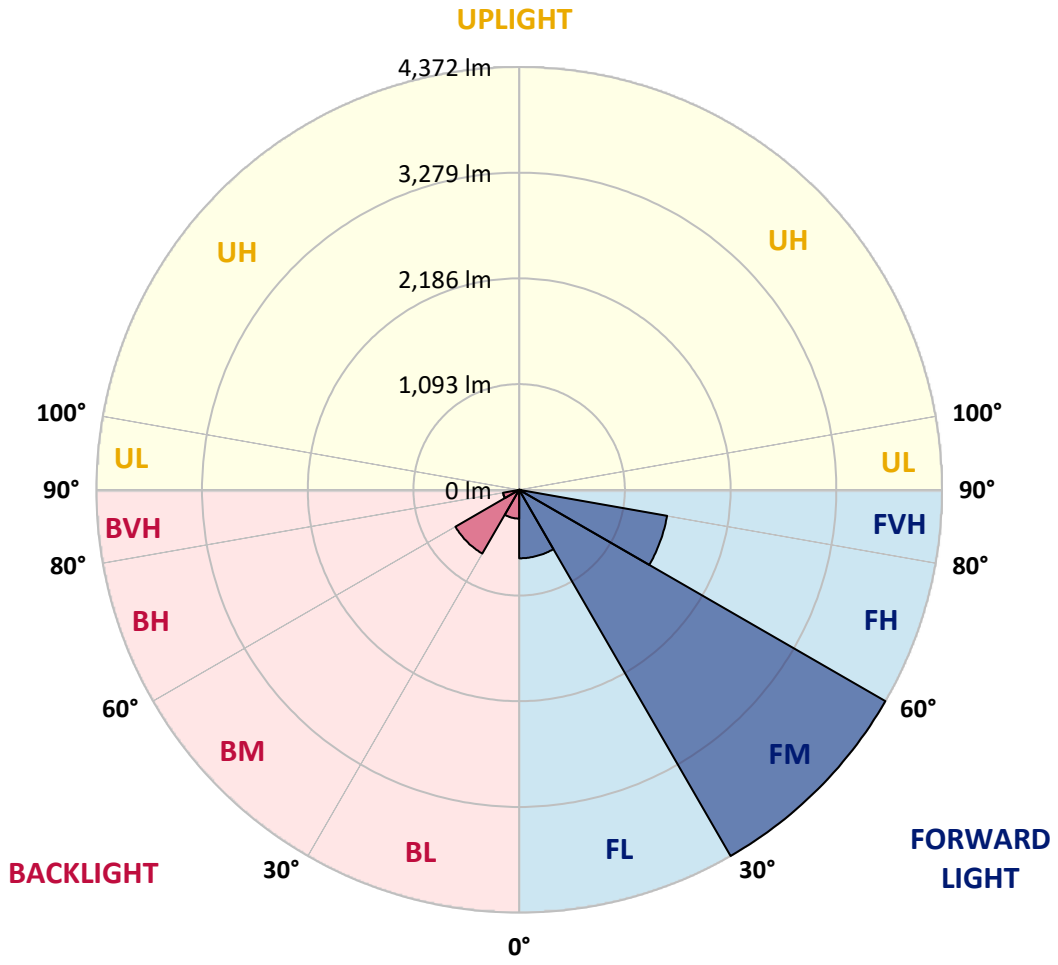
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	708.2	9.0			
FM	(30°-60°)	4372.2	55.5			
FH	(60°-80°)	1553.2	19.7			G1/1800
FVH	(80°-90°)	20.7	0.3			G1/100
BL	(0°-30°)	297.6	3.8	B1/500		
BM	(30°-60°)	760.7	9.6	B1/1000		
BH	(60°-80°)	169.9	2.2	B1/500		G1/500
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: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3
2.5°	1419.7	1415.3	1408.7	1410.9	1408.7	1399.9	1386.6	1375.6	1384.4	1371.2	1362.3
5°	1461.7	1461.7	1457.3	1457.3	1459.5	1455.1	1446.2	1430.8	1433.0	1422.0	1393.3
7.5°	1461.7	1455.1	1466.1	1477.2	1497.0	1508.1	1512.5	1503.7	1508.1	1486.0	1448.5
10°	1375.6	1371.2	1399.9	1441.8	1499.2	1550.0	1583.1	1585.3	1592.0	1569.9	1525.7
12.5°	1192.3	1183.5	1240.9	1320.4	1437.4	1554.4	1647.2	1682.5	1698.0	1689.1	1627.3
15°	1022.3	1033.3	1073.1	1159.2	1316.0	1494.8	1682.5	1799.5	1821.6	1832.6	1759.8
17.5°	1004.6	1006.9	1020.1	1062.1	1181.3	1397.7	1686.9	1921.0	1951.9	2000.5	1901.1
20°	1053.2	1048.8	1062.1	1075.3	1132.7	1311.6	1645.0	2038.0	2097.6	2201.4	2093.2
22.5°	1143.7	1143.7	1150.4	1159.2	1187.9	1304.9	1627.3	2146.2	2247.8	2459.7	2333.9
25°	1296.1	1278.4	1282.9	1271.8	1296.1	1384.4	1667.0	2232.3	2371.4	2746.8	2620.9
27.5°	1532.4	1539.0	1499.2	1439.6	1452.9	1527.9	1764.2	2329.4	2499.5	3044.8	2912.4
30°	1859.1	1848.1	1823.8	1706.8	1653.8	1720.0	1943.0	2488.4	2671.7	3422.4	3301.0
32.5°	2115.3	2146.2	2104.2	2022.5	1940.8	1960.7	2194.8	2744.6	2881.4	3769.1	3702.8
35°	2424.4	2424.4	2433.2	2318.4	2263.2	2258.8	2510.5	3022.8	3159.7	4082.6	4129.0
37.5°	2841.7	2813.0	2764.4	2636.4	2594.4	2649.6	2806.4	3309.8	3457.7	4336.5	4460.2
40°	3192.8	3212.6	3206.0	3020.6	2938.9	2998.5	3137.6	3554.9	3669.7	4499.9	4727.3
42.5°	3537.2	3548.3	3519.6	3431.2	3312.0	3316.4	3431.2	3740.4	3857.4	4656.7	4979.1
45°	3795.6	3793.4	3773.5	3751.4	3680.7	3607.9	3627.8	3945.7	4047.3	4707.5	5115.9
47.5°	3877.3	3894.9	3912.6	3974.4	4023.0	3908.2	3806.6	4056.1	4148.8	4698.6	5166.7
50°	3802.2	3839.7	3925.8	4018.6	4184.2	4175.3	3956.7	4175.3	4265.9	4747.2	5226.4
52.5°	3634.4	3671.9	3786.7	3954.5	4204.0	4327.7	4235.0	4376.3	4482.3	4870.9	5350.0
55°	3243.6	3259.0	3495.3	3716.1	4104.7	4261.5	4533.0	4716.3	4804.6	5021.0	5513.4
57.5°	2640.8	2678.3	2910.2	3270.1	3826.5	4087.0	4703.1	5297.0	5294.8	5164.5	5548.7
60°	*1737.7*	*1848.1*	*2225.7*	*2623.1*	*3287.7*	*3744.8*	*4692.0*	*5977.1*	*6045.5*	*5023.2*	*5122.6*
62.5°	1327.0	1373.4	1587.6	1918.8	2433.2	3104.5	4619.1	6180.2	6233.2	4643.4	4484.5
65°	998.0	1055.4	1260.8	1556.6	1717.8	2104.2	4142.2	5372.1	5444.9	4144.4	3486.4
67.5°	611.6	658.0	931.8	1278.4	1300.5	1307.1	2795.3	4069.4	4095.9	3342.9	2347.1
70°	408.5	454.8	644.7	982.6	1035.6	752.9	1534.6	3080.2	3078.0	2287.5	1426.4
72.5°	236.3	258.3	408.5	724.2	814.8	479.1	766.2	1958.5	1872.4	1075.3	666.8
75°	134.7	150.1	225.2	465.9	571.9	304.7	302.5	1048.8	927.4	554.2	364.3
77.5°	81.7	88.3	123.6	304.7	344.4	205.3	167.8	488.0	470.3	324.6	192.1
80°	39.7	46.4	75.1	178.8	220.8	110.4	101.6	192.1	205.3	178.8	101.6
82.5°	13.2	17.7	42.0	68.4	143.5	44.2	42.0	106.0	112.6	106.0	48.6
85°	6.6	8.8	19.9	22.1	55.2	22.1	15.5	46.4	57.4	35.3	19.9
87.5°	0.0	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	4.4	4.4
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°	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3
2.5°	1355.7	1351.3	1342.5	1327.0	1324.8	1313.8	1296.1	1285.1	1276.2	1282.9	1285.1
5°	1380.0	1369.0	1342.5	1300.5	1256.4	1212.2	1170.2	1121.7	1088.5	1084.1	1075.3
7.5°	1424.2	1402.1	1344.7	1263.0	1150.4	1044.4	920.7	801.5	741.9	733.1	713.2
10°	1494.8	1457.3	1362.3	1196.7	980.4	759.6	571.9	443.8	370.9	357.7	362.1
12.5°	1578.7	1525.7	1364.5	1084.1	746.3	470.3	324.6	276.0	260.5	253.9	253.9
15°	1686.9	1609.6	1362.3	938.4	503.4	302.5	260.5	240.7	234.0	229.6	229.6
17.5°	1823.8	1722.2	1346.9	719.8	340.0	262.8	238.5	223.0	214.2	212.0	212.0
20°	1985.0	1848.1	1311.6	536.5	284.8	245.1	225.2	205.3	198.7	194.3	194.3
22.5°	2190.3	2000.5	1243.1	417.3	269.4	234.0	212.0	189.9	183.3	178.8	178.8
25°	2428.8	2194.8	1152.6	375.4	267.2	225.2	198.7	176.6	170.0	167.8	165.6
27.5°	2711.4	2402.3	1068.7	377.6	271.6	218.6	185.5	165.6	159.0	152.4	154.6
30°	3044.8	2616.5	1000.2	404.1	276.0	212.0	176.6	159.0	152.4	143.5	143.5
32.5°	3373.8	2868.2	993.6	452.6	291.5	207.6	167.8	150.1	143.5	136.9	136.9
35°	3711.7	3097.8	1031.1	516.7	322.4	200.9	156.8	141.3	134.7	130.3	128.1
37.5°	4034.0	3281.1	1066.5	556.4	304.7	172.2	143.5	130.3	123.6	114.8	114.8
40°	4248.2	3380.5	1073.1	525.5	251.7	154.6	130.3	117.0	108.2	103.8	101.6
42.5°	4405.0	3444.5	998.0	426.1	218.6	141.3	119.2	106.0	99.4	94.9	94.9
45°	4469.0	3422.4	870.0	324.6	200.9	130.3	108.2	97.2	92.7	88.3	88.3
47.5°	4460.2	3320.8	739.7	260.5	183.3	119.2	101.6	92.7	88.3	83.9	81.7
50°	4444.7	3225.9	607.2	231.8	163.4	112.6	94.9	88.3	81.7	77.3	75.1
52.5°	4546.3	3195.0	503.4	212.0	152.4	108.2	92.7	83.9	77.3	72.9	72.9
55°	4647.9	3208.2	395.2	198.7	141.3	106.0	90.5	81.7	75.1	68.4	68.4
57.5°	4641.2	3150.8	300.3	185.5	132.5	103.8	88.3	79.5	68.4	64.0	64.0
60°	*4219.5*	*2810.8*	*234.0*	*170.0*	*121.4*	*97.2*	*81.7*	*75.1*	*64.0*	*57.4*	*57.4*
62.5°	3568.1	2210.2	192.1	150.1	108.2	88.3	75.1	68.4	57.4	46.4	46.4
65°	2636.4	1594.2	154.6	130.3	99.4	77.3	68.4	59.6	46.4	37.5	35.3
67.5°	1784.1	980.4	123.6	108.2	88.3	66.2	57.4	50.8	42.0	30.9	28.7
70°	1057.6	521.1	90.5	75.1	66.2	48.6	48.6	44.2	35.3	26.5	24.3
72.5°	503.4	181.1	66.2	55.2	50.8	35.3	37.5	37.5	28.7	19.9	17.7
75°	256.1	88.3	44.2	39.7	33.1	26.5	30.9	28.7	19.9	13.2	13.2
77.5°	145.7	61.8	30.9	26.5	22.1	17.7	19.9	17.7	11.0	6.6	6.6
80°	81.7	44.2	19.9	17.7	13.2	11.0	11.0	8.8	6.6	2.2	2.2
82.5°	30.9	26.5	13.2	8.8	6.6	6.6	4.4	4.4	2.2	0.0	0.0
85°	13.2	6.6	6.6	4.4	4.4	2.2	2.2	2.2	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	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°	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3
2.5°	1267.4	1271.8	1276.2	1293.9	1298.3	1311.6	1322.6	1335.8	1338.1	1355.7	1355.7
5°	1093.0	1090.8	1128.3	1183.5	1218.8	1267.4	1304.9	1344.7	1366.8	1395.5	1408.7
7.5°	724.2	779.4	863.3	960.5	1086.3	1203.4	1291.7	1369.0	1422.0	1455.1	1468.3
10°	359.9	390.8	479.1	638.1	852.3	1090.8	1278.4	1422.0	1508.1	1545.6	1569.9
12.5°	253.9	260.5	276.0	362.1	567.5	905.3	1236.5	1479.4	1598.6	1669.3	1700.2
15°	227.4	231.8	238.5	262.8	351.1	675.6	1161.4	1543.4	1739.9	1821.6	1861.3
17.5°	209.8	212.0	218.6	238.5	276.0	459.3	1040.0	1611.8	1909.9	2009.3	2084.4
20°	194.3	194.3	200.9	225.2	256.1	353.3	865.5	1689.1	2126.3	2269.8	2344.9
22.5°	176.6	181.1	185.5	212.0	249.5	322.4	702.1	1748.7	2367.0	2541.4	2629.7
25°	163.4	167.8	172.2	198.7	242.9	322.4	607.2	1786.3	2636.4	2843.9	2965.4
27.5°	152.4	156.8	163.4	189.9	236.3	335.6	569.7	1797.3	2930.0	3199.4	3362.8
30°	143.5	147.9	154.6	183.3	240.7	351.1	582.9	1781.9	3228.1	3565.9	3760.2
32.5°	134.7	139.1	145.7	176.6	240.7	370.9	627.1	1750.9	3517.4	3932.5	4170.9
35°	128.1	130.3	132.5	159.0	218.6	368.7	682.3	1720.0	3808.8	4294.6	4572.8
37.5°	114.8	117.0	121.4	136.9	174.4	335.6	693.3	1682.5	4038.4	4599.3	4906.2
40°	101.6	106.0	110.4	125.9	145.7	271.6	644.7	1603.0	4159.9	4833.3	5206.5
42.5°	92.7	94.9	99.4	114.8	134.7	216.4	541.0	1463.9	4268.1	4992.3	5425.1
45°	86.1	88.3	92.7	103.8	125.9	187.7	426.1	1293.9	4276.9	5043.1	5531.1
47.5°	79.5	81.7	83.9	94.9	121.4	167.8	326.8	1139.3	4274.7	5109.3	5621.6
50°	75.1	77.3	81.7	90.5	114.8	150.1	269.4	1013.5	4367.4	5252.8	5804.8
52.5°	72.9	72.9	79.5	88.3	108.2	136.9	225.2	900.9	4416.0	5394.2	5937.3
55°	68.4	70.7	75.1	83.9	101.6	130.3	192.1	759.6	4438.1	5464.8	5961.6
57.5°	64.0	66.2	72.9	79.5	97.2	123.6	165.6	567.5	4122.3	5096.1	5555.3
60°	*57.4*	*61.8*	*70.7*	*77.3*	*90.5*	*112.6*	*145.7*	*384.2*	*3477.6*	*4429.3*	*4813.5*
62.5°	46.4	55.2	64.0	68.4	81.7	94.9	123.6	256.1	2777.7	3665.3	4102.5
65°	35.3	46.4	53.0	59.6	68.4	79.5	103.8	174.4	1852.5	2466.3	2958.7
67.5°	30.9	39.7	44.2	48.6	57.4	68.4	83.9	121.4	1123.9	1481.6	1967.3
70°	24.3	33.1	37.5	35.3	44.2	53.0	59.6	81.7	574.1	803.7	1119.5
72.5°	17.7	26.5	28.7	28.7	26.5	37.5	44.2	57.4	249.5	390.8	507.8
75°	13.2	17.7	19.9	17.7	15.5	24.3	30.9	37.5	163.4	234.0	295.9
77.5°	6.6	6.6	11.0	11.0	6.6	13.2	15.5	22.1	92.7	136.9	170.0
80°	2.2	0.0	0.0	2.2	0.0	4.4	6.6	11.0	48.6	72.9	106.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	24.3	22.1	55.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	13.2
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

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

Scaled Data Report

REPORT NUMBER: P1501930
CATALOG NUMBER: GSS-SB2B-835-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1351.3	*1351.3*	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3
2.5°	1366.8	*1366.8*	1375.6	1388.8	1395.5	1399.9	1402.1	1406.5	1424.2	1419.7
5°	1424.2	*1428.6*	1435.2	1448.5	1463.9	1459.5	1459.5	1459.5	1470.5	1461.7
7.5°	1499.2	*1512.5*	1514.7	1530.1	1519.1	1497.0	1483.8	1463.9	1461.7	1461.7
10°	1620.7	*1616.3*	1616.3	1596.4	1556.6	1492.6	1435.2	1395.5	1373.4	1375.6
12.5°	1750.9	*1733.3*	1735.5	1662.6	1550.0	1408.7	1291.7	1205.6	1198.9	1192.3
15°	1912.1	*1865.8*	1856.9	1689.1	1450.7	1234.3	1119.5	1051.0	1028.9	1022.3
17.5°	2141.8	*2024.7*	1982.8	1642.8	1320.4	1126.1	1040.0	1009.1	1006.9	1004.6
20°	2384.6	*2152.8*	2073.3	1574.3	1276.2	1128.3	1064.3	1055.4	1051.0	1053.2
22.5°	2667.3	*2234.5*	2132.9	1585.3	1316.0	1201.2	1150.4	1143.7	1139.3	1143.7
25°	2958.7	*2329.4*	2203.6	1673.7	1435.2	1335.8	1276.2	1263.0	1276.2	1296.1
27.5°	3252.4	*2457.5*	2342.7	1848.1	1627.3	1519.1	1461.7	1510.3	1530.1	1532.4
30°	3512.9	*2636.4*	2530.4	2093.2	1845.9	1737.7	1748.7	1810.6	1834.9	1859.1
32.5°	3751.4	*2874.8*	2793.1	2371.4	2128.5	2064.5	2057.9	2104.2	2130.7	2115.3
35°	3992.1	*3186.2*	3106.7	2673.9	2475.2	2422.2	2367.0	2457.5	2448.7	2424.4
37.5°	4219.5	*3499.7*	3426.8	2998.5	2793.1	2700.4	2691.6	2773.3	2846.1	2841.7
40°	4382.9	*3753.6*	3665.3	3320.8	3126.5	3047.0	3093.4	3234.7	3217.1	3192.8
42.5°	4533.0	*3970.0*	3890.5	3603.5	3400.3	3435.7	3477.6	3572.6	3561.5	3537.2
45°	4603.7	*4155.5*	4087.0	3817.6	3718.3	3830.9	3828.7	3864.0	3804.4	3795.6
47.5°	4703.1	*4287.9*	4217.3	4009.7	4098.1	4144.4	4014.2	3976.6	3921.4	3877.3
50°	4886.3	*4493.3*	4422.6	4301.2	4376.3	4232.7	4073.8	3992.1	3879.5	3802.2
52.5°	5100.5	*4804.6*	4742.8	4694.2	4484.5	4188.6	3985.5	3837.5	3700.6	3634.4
55°	5369.9	*5263.9*	5219.7	4952.6	4387.3	4007.5	3769.1	3493.1	3305.4	3243.6
57.5°	5458.2	*5937.3*	5921.9	4994.5	4115.7	3678.5	3248.0	2874.8	2680.5	2640.8
60°	*5197.6*	*6465.0*	*6409.8*	*4923.9*	*3623.3*	*2985.2*	*2481.8*	*2099.8*	*1784.1*	*1737.7*
62.5°	4864.2	*6061.0*	6041.1	4568.4	2760.0	2139.6	1854.7	1497.0	1362.3	1327.0
65°	4166.5	*4959.2*	4968.0	3665.3	1746.5	1536.8	1523.5	1190.1	1024.5	998.0
67.5°	3208.2	*3804.4*	3742.6	2305.2	1017.9	1229.9	1216.6	870.0	629.3	611.6
70°	1874.6	*2832.9*	2733.5	1198.9	673.4	1026.7	936.2	611.6	428.4	408.5
72.5°	828.0	*1558.9*	1673.7	527.7	474.7	817.0	675.6	375.4	240.7	236.3
75°	459.3	*772.8*	808.1	229.6	333.4	580.7	408.5	209.8	136.9	134.7
77.5°	276.0	*342.2*	333.4	147.9	249.5	370.9	247.3	119.2	86.1	81.7
80°	154.6	*156.8*	132.5	108.2	147.9	207.6	139.1	75.1	39.7	39.7
82.5°	94.9	*86.1*	68.4	33.1	39.7	125.9	50.8	42.0	13.2	13.2
85°	39.7	*26.5*	17.7	6.6	15.5	33.1	17.7	19.9	6.6	6.6
87.5°	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

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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

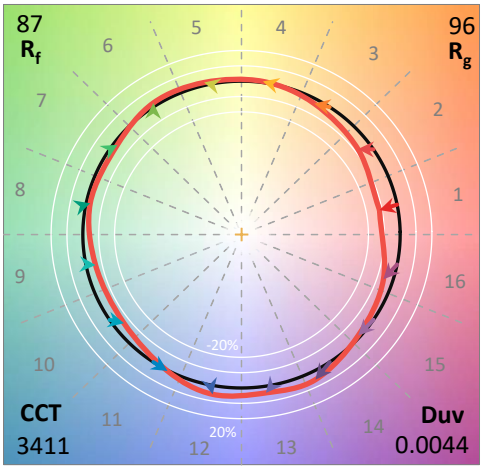
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

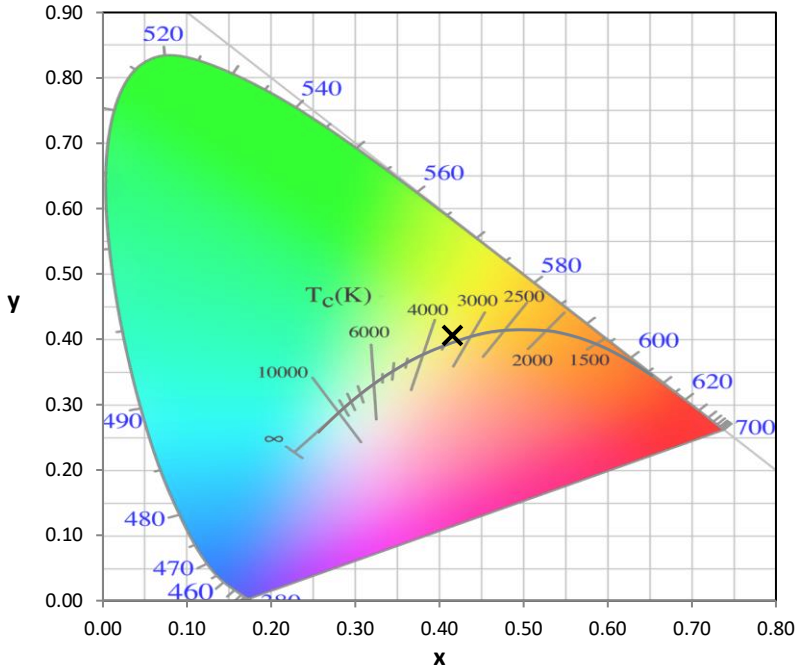
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

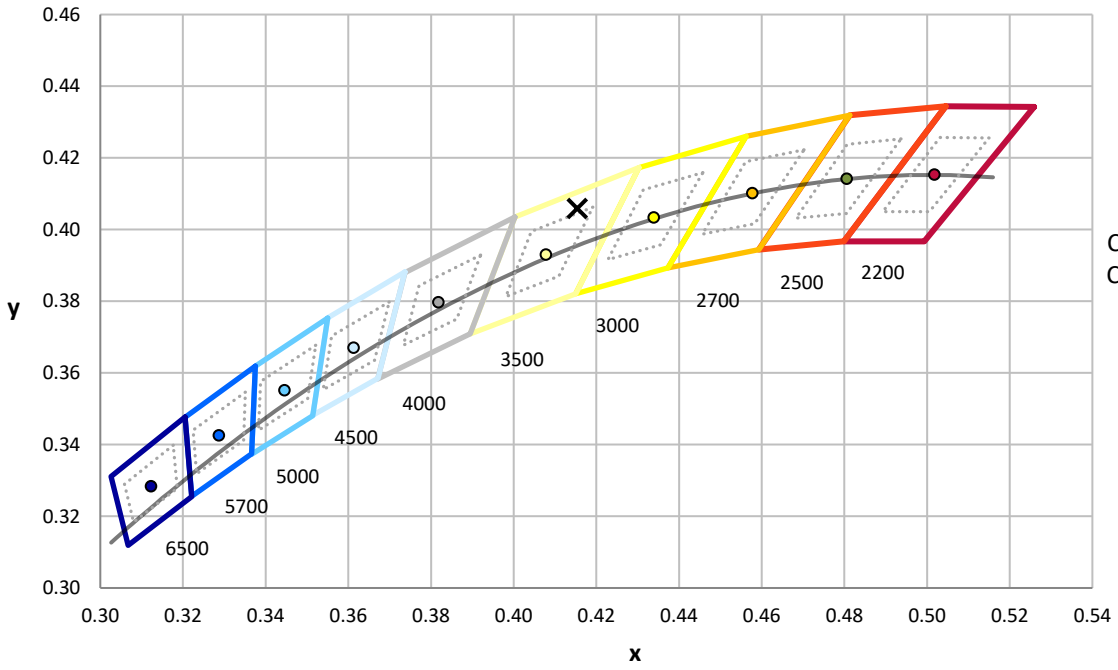
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

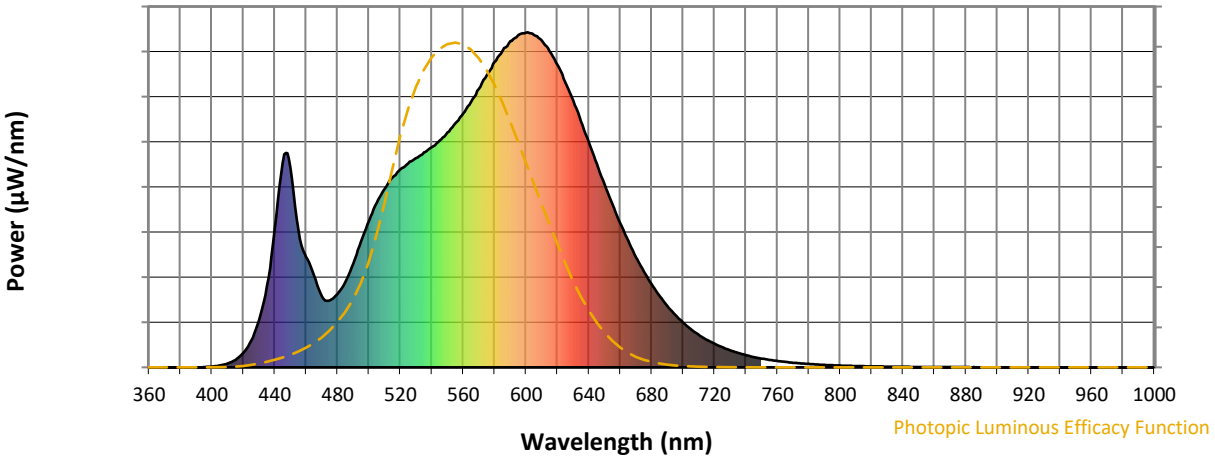


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

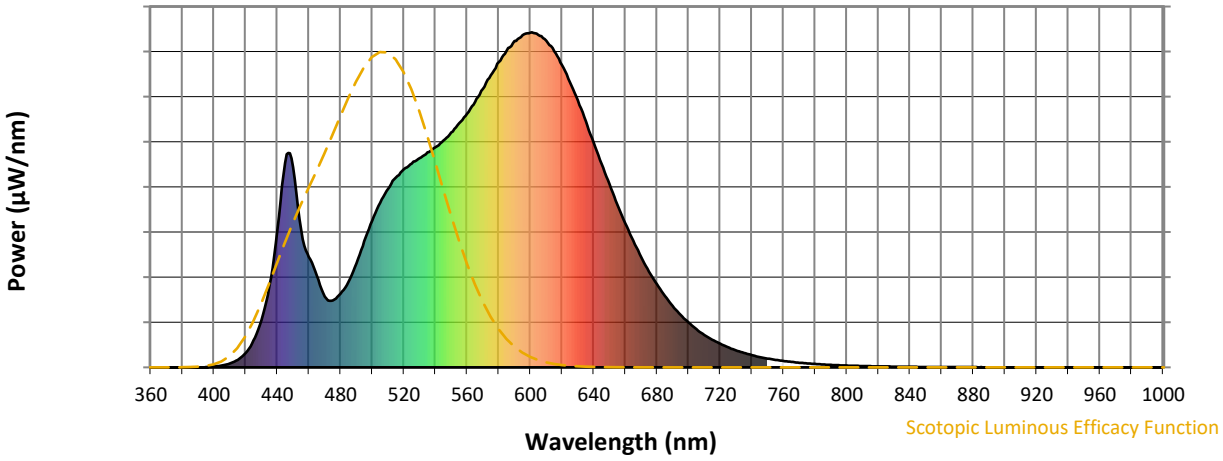


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

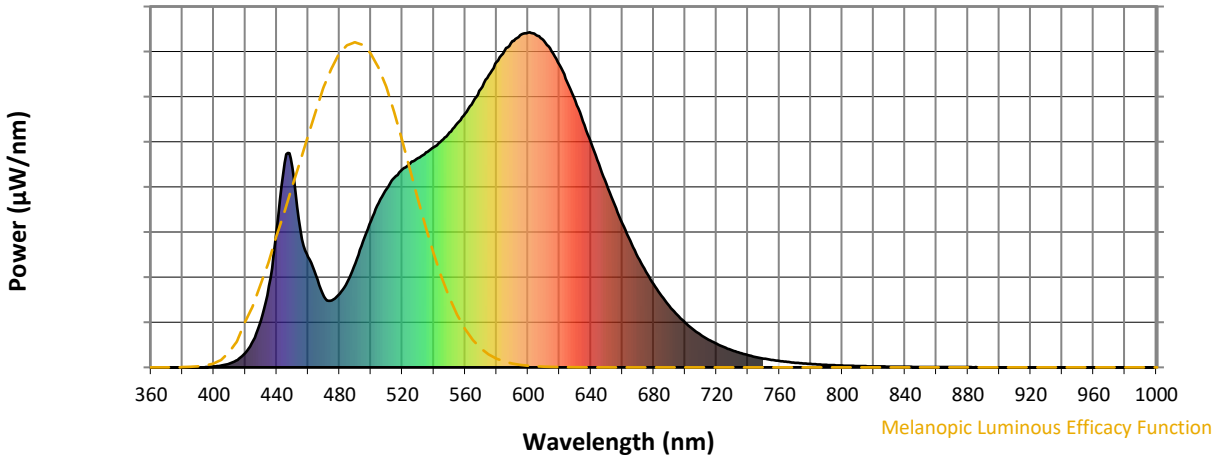


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

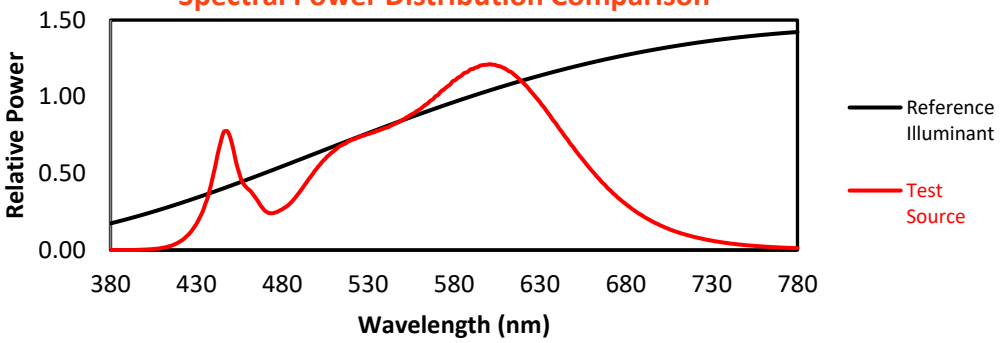
REPORT NUMBER: SP1-2407-184-10

TM-30-18

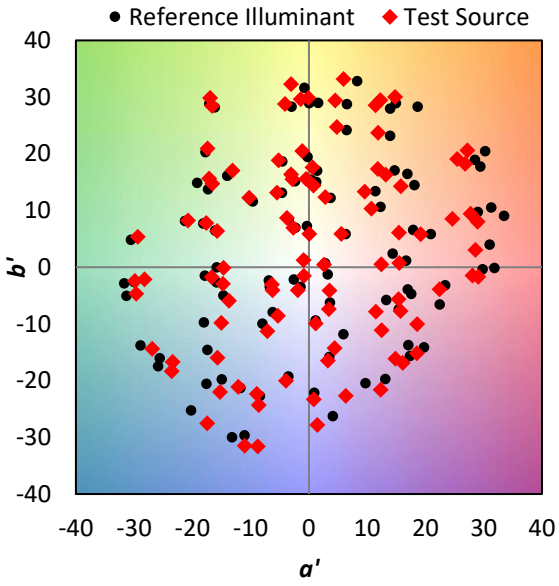
Summary

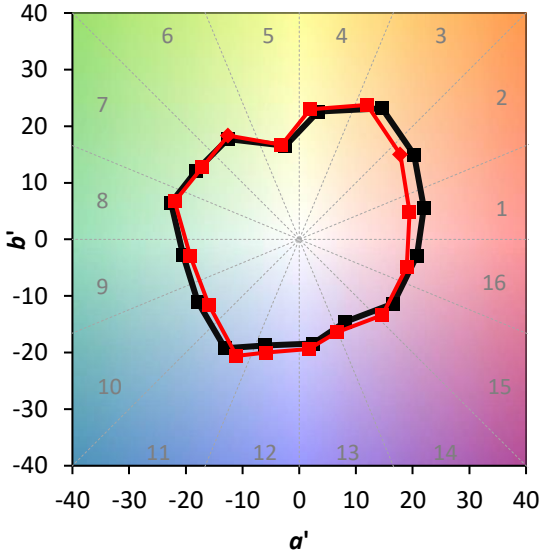
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

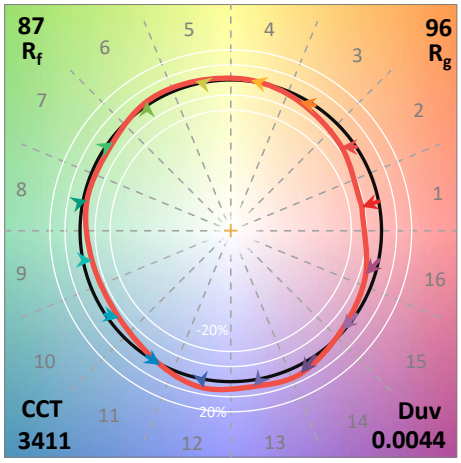
Spectral Power Distribution Comparison

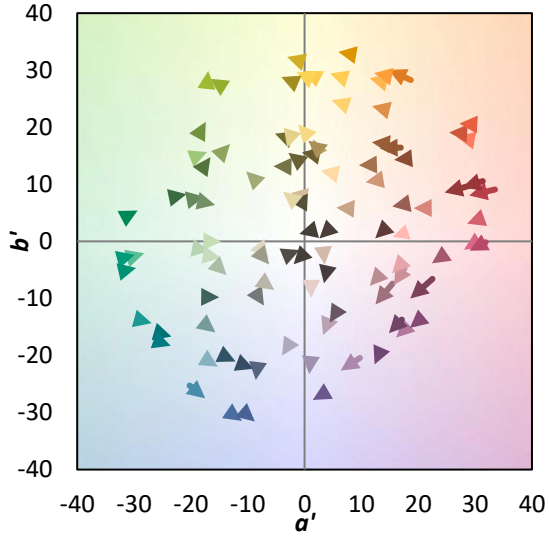


Color Vector Graphics







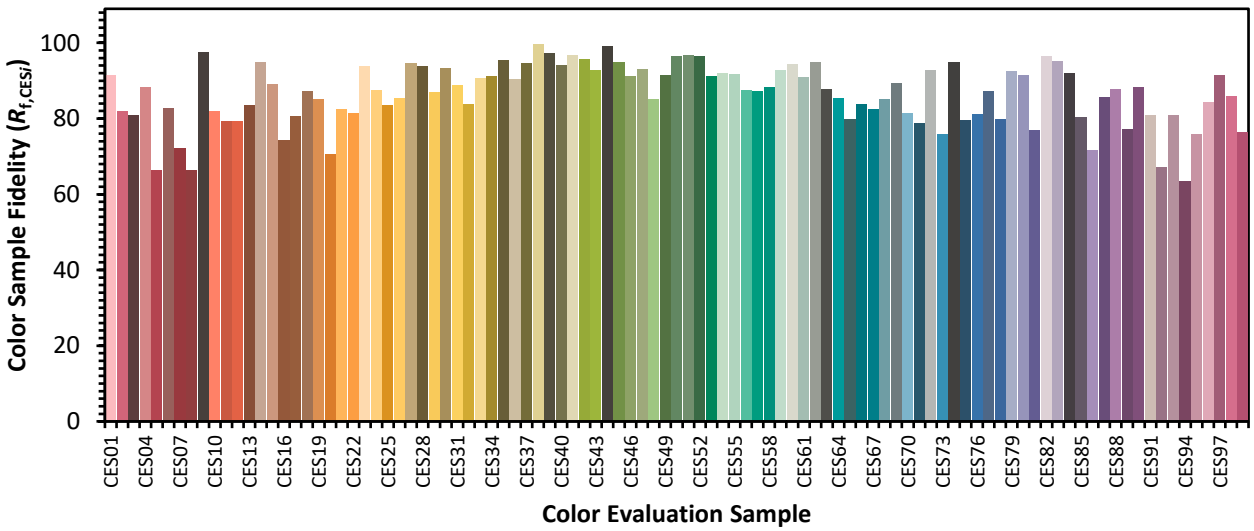


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Individual Sample Fidelity Index ($R_{f,i}$)

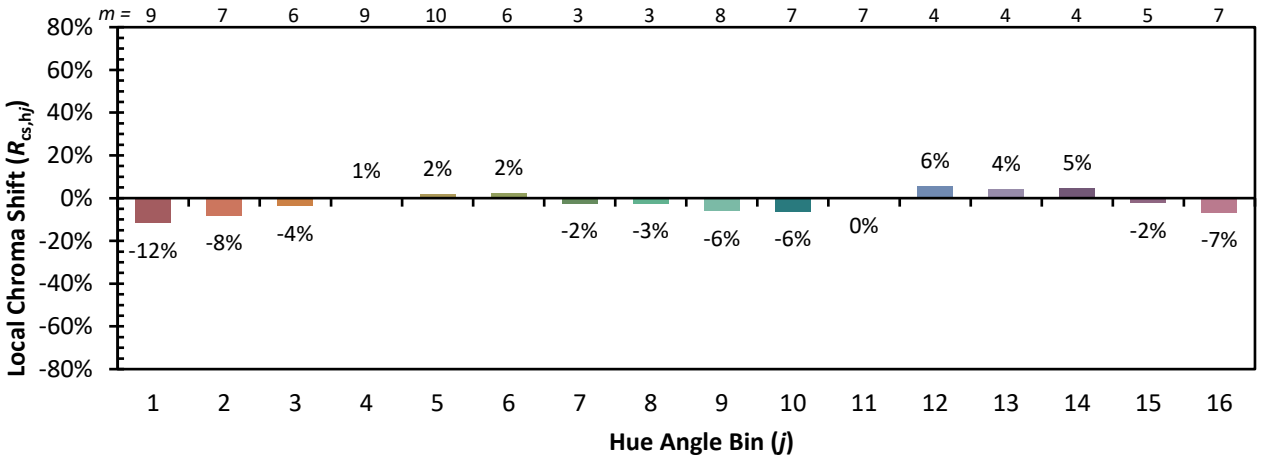
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
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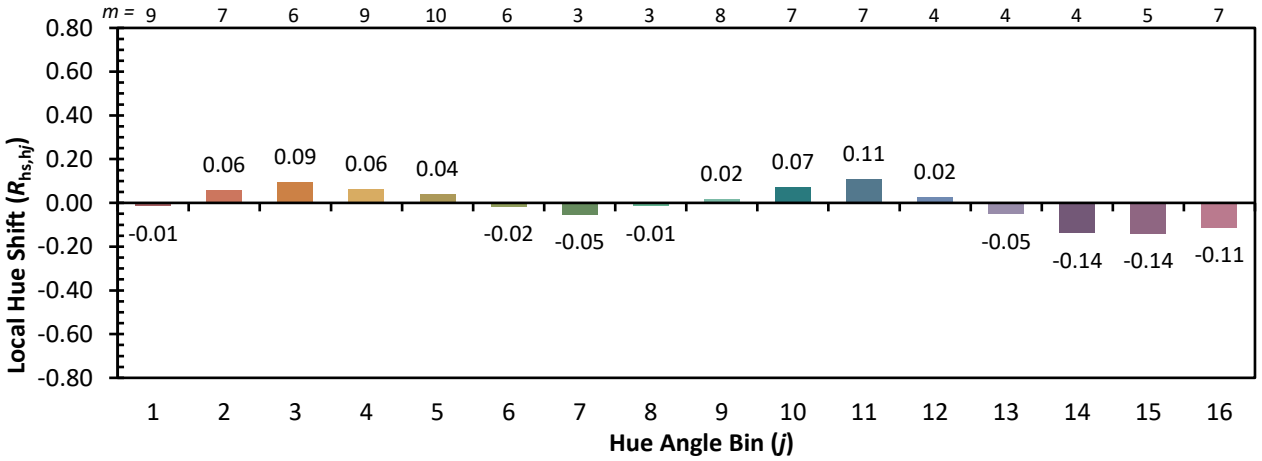


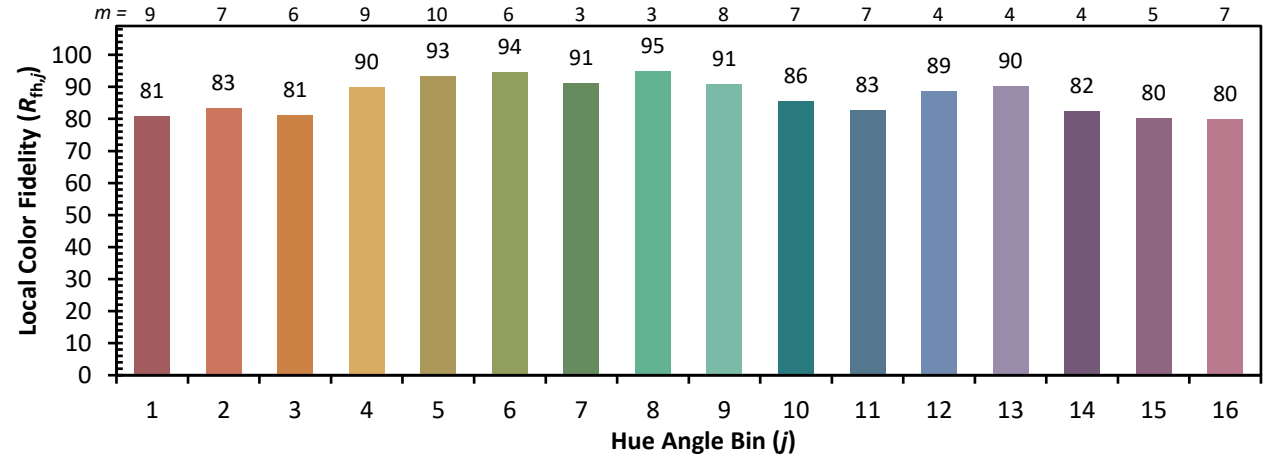
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Color Rendition by Hue-Angle Bin



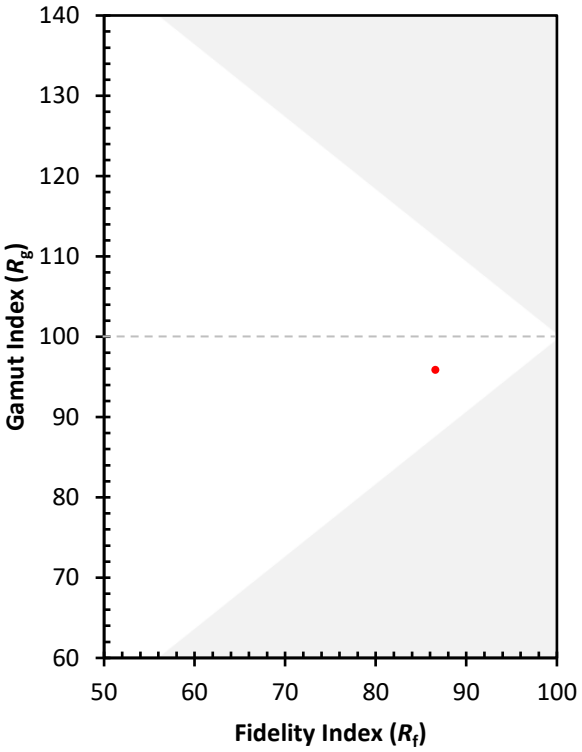


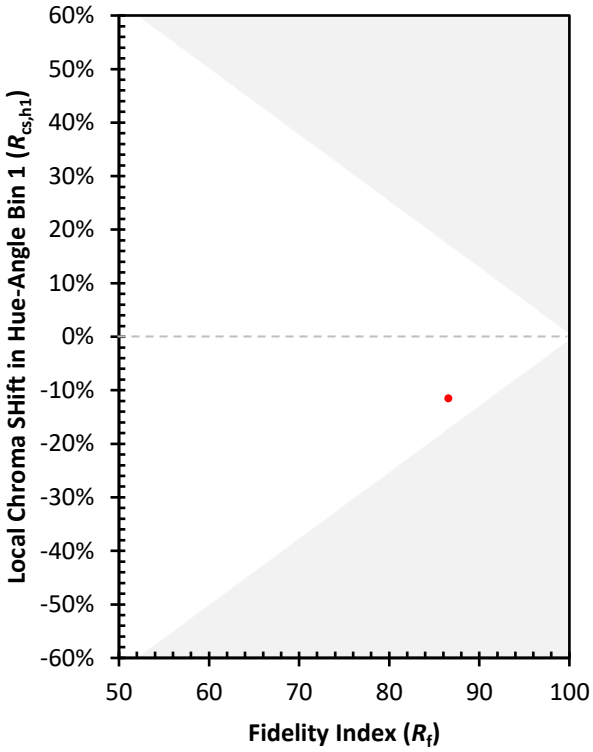


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Measure Comparisons





(END OF REPORT)