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: P1501496

Luminaire Tested: GSS-SB1D-827-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501496
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8060.3 lumens
Efficiency:	N/A
Efficacy:	106.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

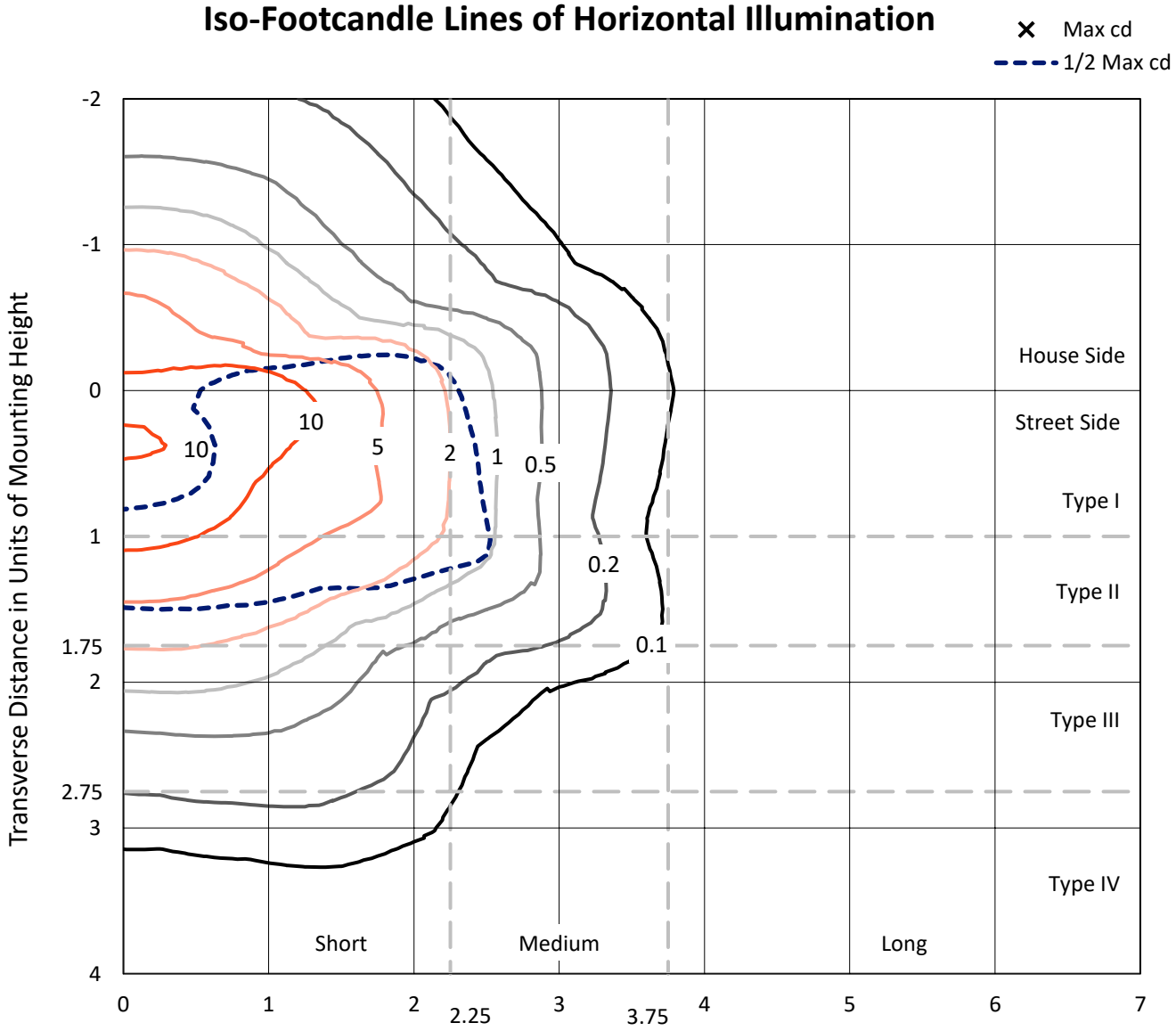
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



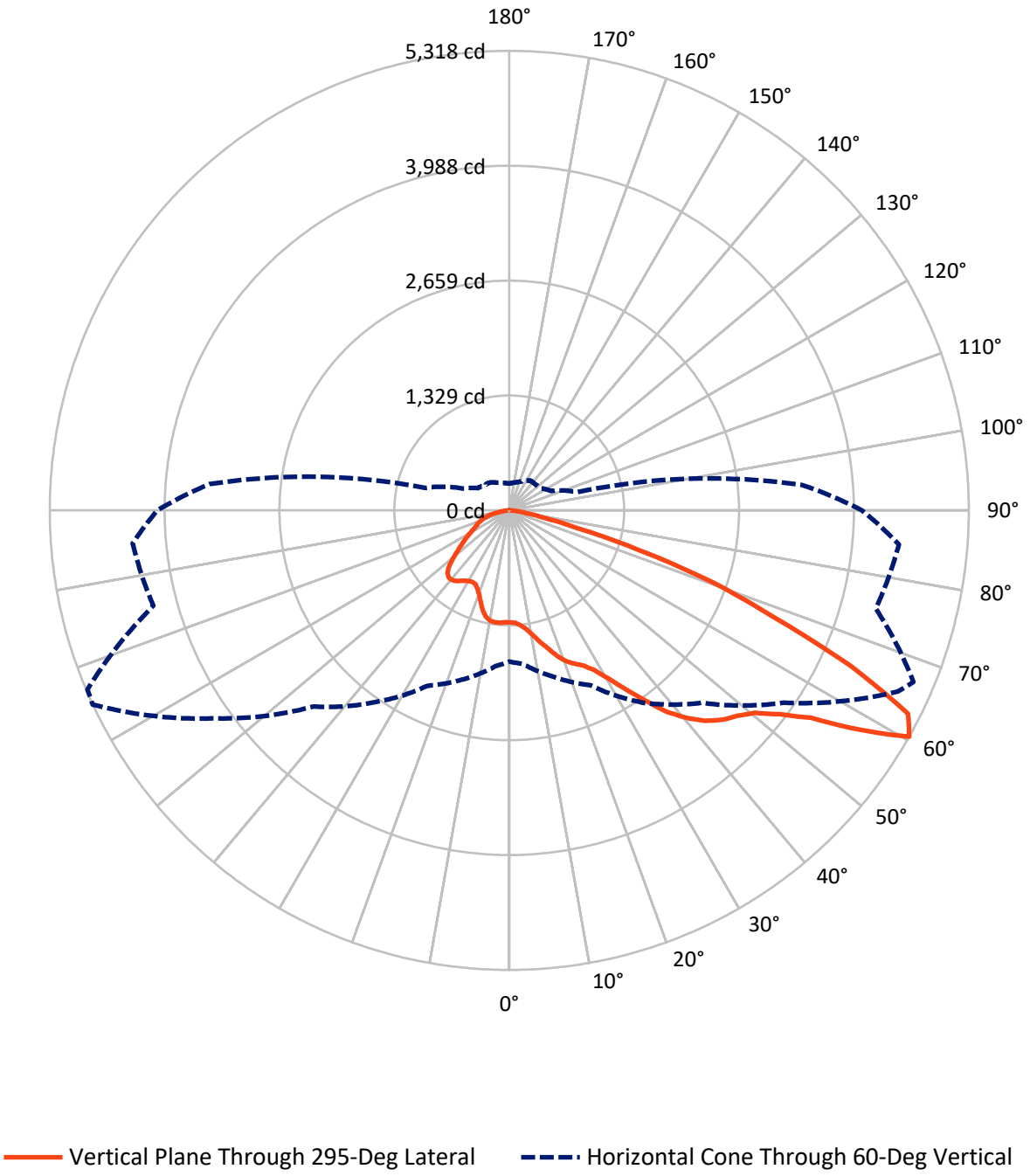
Based on 10 foot mounting height. Maximum calculated value = 19.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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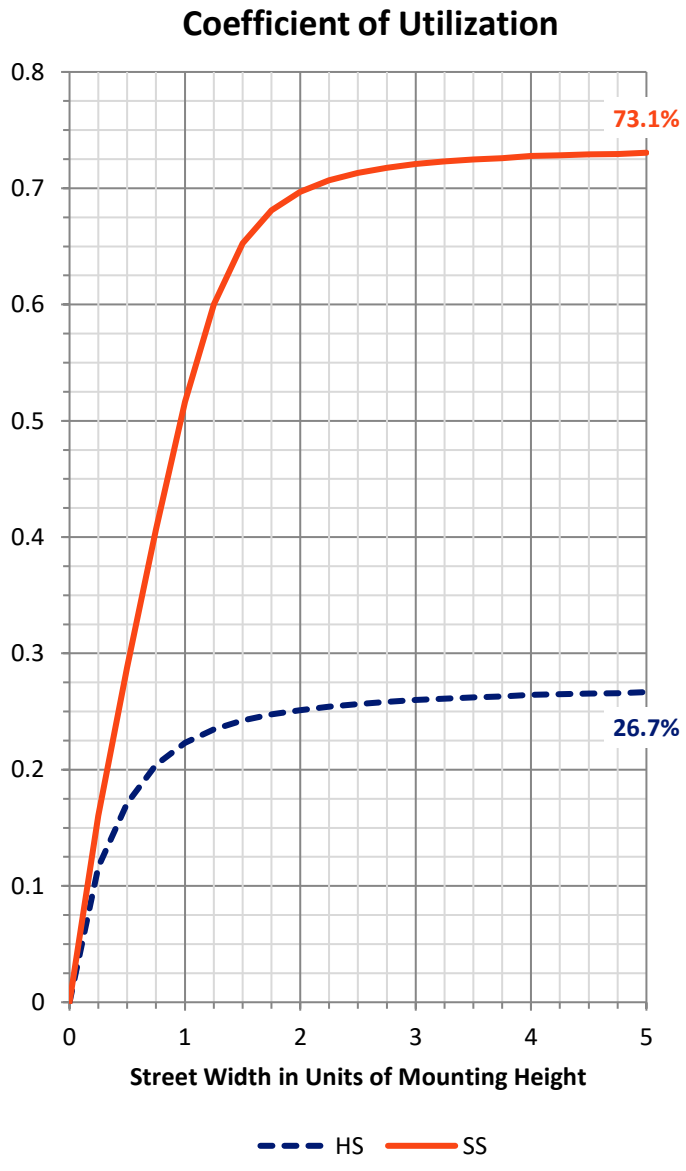
REPORT NUMBER: P1501496
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2167.5	0.0	2167.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	5892.7	0.0	5892.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	8060.3	0.0	8060.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	1.5
10°-20°	350.5	4.3
20°-30°	664.0	8.2
30°-40°	1170.5	14.5
40°-50°	1731.1	21.5
50°-60°	2032.7	25.2
60°-70°	1472.8	18.3
70°-80°	454.2	5.6
80°-90°	62.5	0.8
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°	8060.3	100.0
0°-180°	8060.3	100.0



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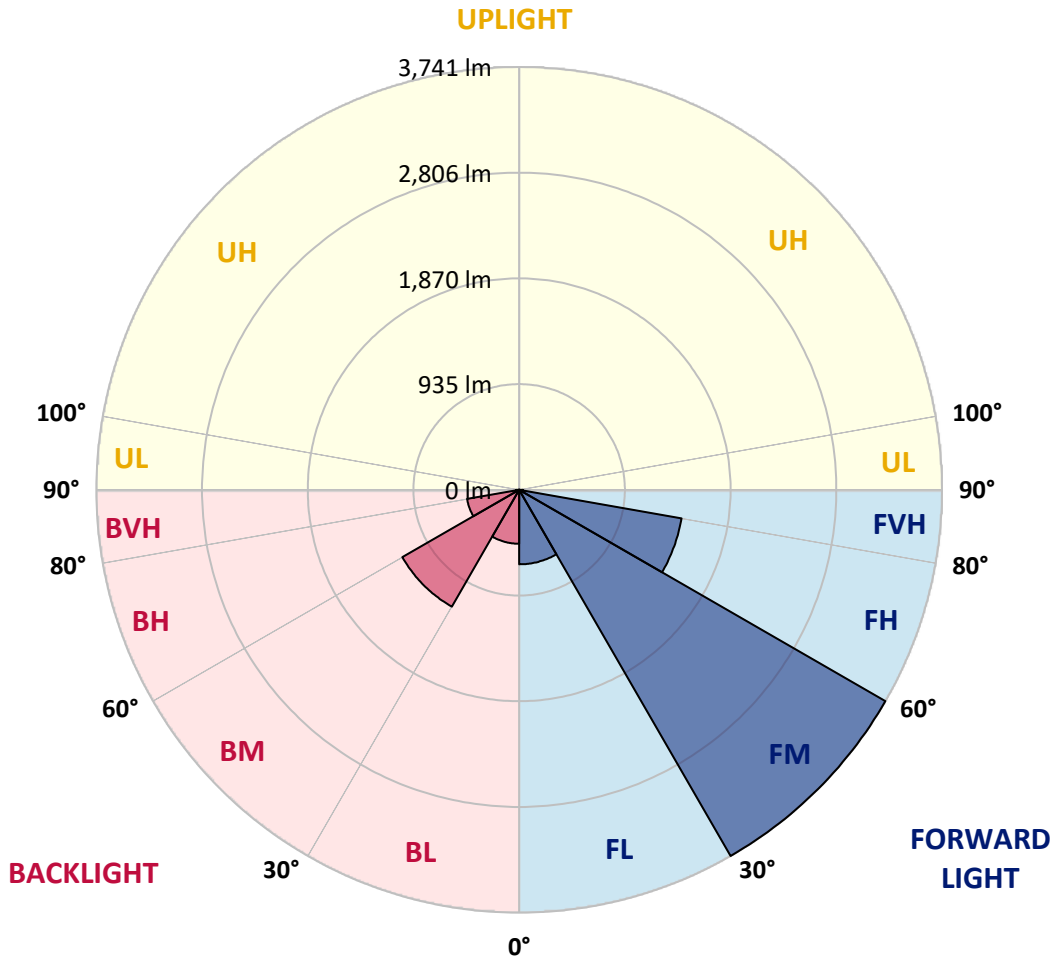
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	659.1	8.2			
FM	(30°-60°)	3740.8	46.4			
FH	(60°-80°)	1459.2	18.1			G1/1800
FVH	(80°-90°)	33.7	0.4			G1/100
BL	(0°-30°)	477.4	5.9	B1/500		
BM	(30°-60°)	1193.5	14.8	B2/2500		
BH	(60°-80°)	467.9	5.8	B1/500		G1/500
BVH	(80°-90°)	28.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9
2.5°	1322.6	1326.2	1320.7	1324.4	1324.4	1318.9	1317.1	1309.7	1313.4	1311.6	1309.7
5°	1353.8	1355.6	1352.0	1357.5	1357.5	1359.3	1357.5	1348.3	1348.3	1348.3	1344.6
7.5°	1344.6	1344.6	1346.5	1364.8	1383.2	1407.1	1407.1	1403.4	1407.1	1405.2	1388.7
10°	1267.5	1274.8	1291.3	1337.3	1381.4	1432.8	1467.7	1478.7	1478.7	1480.5	1453.0
12.5°	1129.7	1135.2	1173.8	1243.6	1335.4	1429.1	1513.6	1568.7	1574.2	1583.4	1546.7
15°	1006.6	1010.3	1037.9	1109.5	1214.2	1379.5	1539.3	1653.2	1671.6	1710.2	1655.1
17.5°	1017.6	1015.8	1023.2	1050.7	1126.0	1298.7	1533.8	1752.4	1785.5	1853.4	1805.7
20°	1083.8	1083.8	1089.3	1094.8	1122.4	1239.9	1493.4	1833.2	1897.5	2029.8	1974.7
22.5°	1188.5	1188.5	1186.6	1195.8	1195.8	1265.6	1495.2	1893.9	1989.4	2226.3	2173.1
25°	1333.6	1326.2	1326.2	1329.9	1313.4	1363.0	1541.2	1956.3	2081.2	2459.6	2413.7
27.5°	1497.1	1502.6	1498.9	1486.1	1464.0	1502.6	1651.4	2053.7	2184.1	2705.8	2687.4
30°	1675.3	1677.1	1680.8	1673.4	1655.1	1682.6	1824.1	2200.6	2320.0	2962.9	3003.3
32.5°	1849.8	1875.5	1866.3	1847.9	1855.3	1904.9	2037.1	2399.0	2522.1	3201.7	3345.0
35°	2072.0	2081.2	2118.0	2050.0	2051.8	2136.3	2309.0	2659.8	2779.2	3449.7	3686.7
37.5°	2395.3	2411.9	2395.3	2288.8	2272.3	2389.8	2573.5	2917.0	3003.3	3637.1	4004.5
40°	2713.1	2733.3	2760.9	2636.0	2531.3	2628.6	2823.3	3113.6	3203.6	3739.9	4215.7
42.5°	2975.8	3008.9	2979.5	2942.7	2847.2	2865.6	2997.8	3266.0	3356.0	3870.4	4428.8
45°	3198.1	3203.6	3216.4	3190.7	3143.0	3126.4	3146.6	3400.1	3499.3	3929.1	4533.5
47.5°	3289.9	3313.8	3324.8	3368.9	3418.5	3385.4	3273.4	3462.6	3552.6	3925.5	4566.6
50°	3240.3	3264.2	3323.0	3427.7	3547.1	3605.9	3422.2	3548.9	3649.9	3991.6	4634.5
52.5°	3109.9	3135.6	3231.1	3350.5	3550.7	3684.8	3631.6	3728.9	3826.3	4109.2	4748.4
55°	2793.9	2832.5	2966.6	3165.0	3440.5	3642.6	3852.0	3993.4	4100.0	4250.6	4866.0
57.5°	2334.7	2375.1	2525.7	2823.3	3236.6	3468.1	3916.3	4489.4	4537.2	4419.6	4877.0
60°	*1748.7*	*1781.8*	*1994.9*	*2233.7*	*2718.6*	*3148.5*	*3879.6*	*4959.7*	*5080.9*	*4390.2*	*4526.1*
62.5°	1385.0	1425.4	1614.6	1724.9	2072.0	2601.1	3751.0	5090.1	5194.8	4147.7	4037.5
65°	1081.9	1109.5	1285.8	1443.8	1528.3	1776.3	3214.6	4452.7	4546.3	3752.8	3332.2
67.5°	714.6	756.8	966.2	1183.0	1227.1	1129.7	2211.6	3425.8	3469.9	2983.1	2505.5
70°	512.5	532.7	688.8	920.3	986.4	756.8	1205.0	2593.7	2606.6	2002.2	1688.1
72.5°	349.0	352.7	468.4	705.4	786.2	549.2	663.1	1708.3	1664.2	988.3	966.2
75°	237.0	240.6	299.4	470.2	556.6	382.1	431.7	931.3	894.6	545.6	586.0
77.5°	159.8	163.5	205.7	315.9	371.1	264.5	315.9	492.3	483.1	361.9	314.1
80°	121.2	126.7	152.5	202.1	259.0	154.3	180.0	233.3	237.0	192.9	159.8
82.5°	68.0	75.3	91.8	102.9	167.2	86.3	86.3	139.6	134.1	119.4	86.3
85°	29.4	31.2	36.7	38.6	68.0	36.7	31.2	60.6	62.5	58.8	27.6
87.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.3	7.3	7.3	7.3
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°	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9
2.5°	1300.5	1311.6	1300.5	1295.0	1295.0	1285.8	1282.2	1282.2	1269.3	1274.8	1271.1
5°	1329.9	1333.6	1320.7	1304.2	1282.2	1263.8	1238.1	1205.0	1184.8	1183.0	1184.8
7.5°	1375.8	1377.7	1342.8	1306.0	1250.9	1184.8	1105.8	1041.5	984.6	975.4	986.4
10°	1440.1	1436.5	1385.0	1298.7	1183.0	1043.4	922.1	863.3	830.3	828.4	826.6
12.5°	1526.5	1502.6	1423.6	1267.5	1065.4	903.8	841.3	837.6	846.8	854.2	856.0
15°	1625.7	1594.4	1454.8	1206.8	946.0	852.3	856.0	887.2	898.2	905.6	905.6
17.5°	1748.7	1708.3	1489.7	1120.5	885.4	863.3	889.1	918.5	936.8	944.2	942.3
20°	1912.2	1827.7	1517.3	1037.9	868.9	881.7	903.8	933.1	951.5	960.7	960.7
22.5°	2075.7	1971.0	1522.8	980.9	868.9	883.6	903.8	933.1	953.4	962.5	960.7
25°	2298.0	2154.7	1524.6	940.5	870.7	874.4	892.7	918.5	947.8	957.0	960.7
27.5°	2534.9	2356.8	1533.8	931.3	863.3	861.5	874.4	898.2	927.6	951.5	953.4
30°	2828.8	2584.5	1537.5	940.5	865.2	841.3	850.5	874.4	905.6	929.5	936.8
32.5°	3117.2	2795.8	1530.1	960.7	868.9	828.4	830.3	845.0	878.0	894.6	907.4
35°	3422.2	3019.9	1517.3	988.3	870.7	822.9	806.4	813.8	835.8	837.6	843.1
37.5°	3661.0	3187.0	1478.7	1025.0	874.4	802.7	769.7	764.2	755.0	736.6	740.3
40°	3857.5	3299.1	1414.4	1043.4	865.2	778.8	723.7	698.0	663.1	635.6	641.1
42.5°	3999.0	3374.4	1337.3	1047.0	850.5	738.4	670.5	626.4	587.8	558.4	560.3
45°	4061.4	3367.1	1254.6	1019.5	815.6	688.8	620.9	578.6	536.4	505.1	501.5
47.5°	4063.2	3295.4	1140.7	953.4	756.8	631.9	575.0	529.0	494.1	472.1	470.2
50°	4077.9	3255.0	1034.2	857.8	679.7	571.3	534.5	488.6	468.4	437.2	428.0
52.5°	4169.8	3321.1	960.7	753.1	608.0	527.2	499.6	459.2	426.2	406.0	404.1
55°	4318.6	3435.0	920.3	674.1	540.1	484.9	466.6	431.7	402.3	382.1	376.6
57.5°	4336.9	3493.8	872.5	600.7	484.9	451.9	444.5	406.0	363.7	349.0	343.5
60°	*4079.8*	*3394.6*	*813.8*	*532.7*	*444.5*	*426.2*	*422.5*	*371.1*	*336.2*	*317.8*	*310.4*
62.5°	3728.9	3146.6	723.7	470.2	413.3	400.4	385.8	345.3	301.3	281.0	275.5
65°	3047.4	2645.1	615.4	428.0	382.1	367.4	363.7	308.6	279.2	268.2	266.4
67.5°	2309.0	2125.3	541.9	396.8	349.0	343.5	330.6	312.3	299.4	286.6	282.9
70°	1633.0	1533.8	461.1	356.4	315.9	306.8	360.0	339.8	293.9	277.4	275.5
72.5°	990.1	962.5	398.6	319.6	271.9	286.6	332.5	306.8	264.5	244.3	237.0
75°	624.5	571.3	334.3	271.9	216.8	233.3	290.2	273.7	227.8	207.6	202.1
77.5°	339.8	315.9	251.7	222.3	170.8	189.2	253.5	225.9	181.9	198.4	176.3
80°	148.8	165.3	167.2	128.6	113.9	139.6	181.9	176.3	139.6	141.4	117.6
82.5°	71.6	93.7	108.4	88.2	64.3	82.7	121.2	101.0	93.7	88.2	84.5
85°	22.0	34.9	47.8	42.2	29.4	34.9	56.9	55.1	66.1	56.9	53.3
87.5°	7.3	7.3	5.5	5.5	5.5	7.3	9.2	5.5	1.8	1.8	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°	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9
2.5°	1269.3	1271.1	1271.1	1273.0	1273.0	1278.5	1285.8	1293.2	1287.7	1295.0	1296.9
5°	1181.1	1190.3	1197.7	1225.2	1247.3	1265.6	1285.8	1304.2	1309.7	1313.4	1322.6
7.5°	973.6	999.3	1047.0	1109.5	1179.3	1247.3	1293.2	1340.9	1348.3	1357.5	1370.3
10°	828.4	839.5	872.5	936.8	1061.7	1195.8	1307.9	1383.2	1414.4	1432.8	1445.6
12.5°	852.3	845.0	839.5	848.7	929.5	1102.1	1298.7	1443.8	1502.6	1522.8	1539.3
15°	909.3	901.9	881.7	856.0	865.2	1003.0	1267.5	1500.8	1594.4	1627.5	1662.4
17.5°	942.3	935.0	918.5	890.9	867.0	920.3	1208.7	1552.2	1739.6	1780.0	1829.6
20°	960.7	953.4	936.8	909.3	881.7	889.1	1133.4	1616.5	1904.9	1969.2	2042.6
22.5°	964.4	955.2	936.8	909.3	892.7	887.2	1061.7	1655.1	2083.1	2182.2	2266.7
25°	962.5	946.0	922.1	901.9	892.7	890.9	1012.1	1677.1	2275.9	2433.9	2529.4
27.5°	949.7	929.5	905.6	890.9	887.2	898.2	990.1	1702.8	2501.9	2703.9	2856.4
30°	935.0	905.6	876.2	870.7	879.9	914.8	1008.5	1712.0	2738.8	2997.8	3154.0
32.5°	896.4	874.4	845.0	843.1	865.2	927.6	1050.7	1699.1	2948.2	3291.7	3488.3
35°	841.3	828.4	811.9	817.4	852.3	938.7	1080.1	1658.7	3139.3	3565.4	3795.1
37.5°	743.9	753.1	762.3	775.2	819.3	936.8	1093.0	1594.4	3297.3	3784.0	4077.9
40°	635.6	666.8	696.2	729.3	788.0	922.1	1096.6	1515.4	3389.1	3949.4	4329.6
42.5°	567.6	597.0	633.7	681.5	745.8	889.1	1093.0	1427.3	3418.5	4063.2	4489.4
45°	505.1	540.1	586.0	635.6	709.0	841.3	1059.9	1331.8	3433.2	4116.5	4557.4
47.5°	472.1	492.3	534.5	584.1	661.3	782.5	995.6	1262.0	3411.1	4127.5	4640.0
50°	433.5	461.1	488.6	536.4	611.7	709.0	918.5	1221.5	3447.9	4235.9	4770.5
52.5°	404.1	418.8	448.2	492.3	547.4	641.1	845.0	1188.5	3548.9	4346.1	4906.4
55°	382.1	398.6	417.0	453.7	496.0	573.1	769.7	1138.9	3666.5	4463.7	5042.3
57.5°	347.2	358.2	383.9	422.5	450.0	507.0	681.5	1080.1	3657.3	4371.8	4807.2
60°	*315.9*	*327.0*	*354.5*	*393.1*	*409.6*	*448.2*	*595.2*	*1004.8*	*3480.9*	*4072.4*	*4373.7*
62.5°	281.0	293.9	327.0	354.5	369.2	398.6	505.1	867.0	3113.6	3622.4	3866.7
65°	266.4	273.7	295.7	328.8	327.0	354.5	426.2	681.5	2505.5	2768.2	2990.5
67.5°	282.9	293.9	290.2	299.4	293.9	308.6	382.1	547.4	1969.2	2084.9	2213.5
70°	279.2	304.9	317.8	299.4	257.2	273.7	330.6	437.2	1408.9	1397.9	1392.4
72.5°	244.3	270.0	306.8	325.1	251.7	227.8	286.6	378.4	903.8	900.1	813.8
75°	207.6	225.9	270.0	293.9	216.8	183.7	246.1	321.5	540.1	547.4	488.6
77.5°	191.0	181.9	225.9	259.0	176.3	141.4	198.4	242.5	297.6	301.3	279.2
80°	137.8	132.3	169.0	189.2	134.1	101.0	112.1	150.6	159.8	143.3	148.8
82.5°	88.2	90.0	101.0	121.2	82.7	55.1	77.2	101.0	86.3	69.8	82.7
85°	56.9	64.3	53.3	62.5	25.7	25.7	33.1	44.1	29.4	20.2	22.0
87.5°	0.0	0.0	3.7	7.3	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: P1501496
CATALOG NUMBER: GSS-SB1D-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1296.9	1296.9	*1296.9*	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9	1296.9
2.5°	1302.4	1300.5	*1300.5*	1304.2	1313.4	1317.1	1322.6	1320.7	1326.2	1322.6
5°	1328.1	1329.9	*1335.4*	1337.3	1342.8	1350.1	1352.0	1350.1	1353.8	1353.8
7.5°	1379.5	1386.9	*1383.2*	1392.4	1385.0	1375.8	1361.1	1350.1	1340.9	1344.6
10°	1465.9	1462.2	*1460.3*	1443.8	1410.7	1363.0	1324.4	1282.2	1274.8	1267.5
12.5°	1561.4	1557.7	*1557.7*	1500.8	1407.1	1307.9	1219.7	1153.6	1131.5	1129.7
15°	1695.5	1671.6	*1649.5*	1530.1	1342.8	1173.8	1070.9	1019.5	1006.6	1006.6
17.5°	1862.6	1800.2	*1763.4*	1508.1	1238.1	1085.6	1025.0	1012.1	1008.5	1017.6
20°	2070.2	1912.2	*1859.0*	1458.5	1199.5	1096.6	1067.2	1069.1	1070.9	1083.8
22.5°	2298.0	2015.1	*1926.9*	1458.5	1238.1	1166.4	1151.7	1171.9	1177.5	1188.5
25°	2551.5	2106.9	*1987.5*	1535.7	1352.0	1298.7	1280.3	1300.5	1315.2	1333.6
27.5°	2836.2	2202.5	*2092.2*	1675.3	1498.9	1465.9	1445.6	1454.8	1475.0	1497.1
30°	3091.5	2362.3	*2252.1*	1888.3	1699.1	1658.7	1623.8	1638.5	1660.6	1675.3
32.5°	3317.5	2557.0	*2463.3*	2112.4	1928.8	1859.0	1820.4	1816.7	1860.8	1849.8
35°	3525.0	2786.6	*2696.6*	2367.8	2162.0	2075.7	2024.3	2090.4	2061.0	2072.0
37.5°	3688.5	3025.4	*2953.7*	2612.1	2404.5	2287.0	2255.7	2336.5	2382.5	2395.3
40°	3822.6	3233.0	*3157.6*	2854.6	2626.8	2540.4	2590.0	2724.1	2718.6	2713.1
42.5°	3925.5	3411.1	*3328.5*	3038.2	2839.9	2856.4	2895.0	2985.0	3007.0	2975.8
45°	3971.4	3523.2	*3457.1*	3183.4	3082.3	3177.9	3194.4	3233.0	3218.3	3198.1
47.5°	4024.7	3622.4	*3552.6*	3315.6	3345.0	3438.7	3405.6	3374.4	3321.1	3289.9
50°	4114.7	3739.9	*3681.2*	3508.5	3615.0	3583.8	3455.2	3385.4	3277.0	3240.3
52.5°	4285.5	3962.2	*3918.1*	3813.4	3741.8	3561.8	3405.6	3280.7	3159.5	3109.9
55°	4438.0	4263.5	*4237.7*	4098.1	3703.2	3446.0	3236.6	3043.8	2836.2	2793.9
57.5°	4526.1	4763.1	*4792.5*	4219.4	3526.9	3183.4	2874.8	2566.2	2369.6	2334.7
60°	*4263.5*	*5303.2*	*5317.9*	*4195.5*	*3209.1*	*2709.4*	*2239.2*	*2020.6*	*1809.4*	*1748.7*
62.5°	3901.6	5191.1	*5178.2*	4052.2	2555.1	1976.5	1701.0	1598.1	1434.6	1385.0
65°	3354.2	4324.1	*4338.8*	3501.1	1699.1	1429.1	1429.1	1298.7	1116.8	1081.9
67.5°	2733.3	3334.0	*3300.9*	2270.4	1043.4	1144.4	1199.5	1012.1	756.8	714.6
70°	1776.3	2546.0	*2500.0*	1309.7	655.8	953.4	944.2	760.5	541.9	512.5
72.5°	764.2	1471.4	*1565.0*	668.6	494.1	767.8	753.1	532.7	361.9	349.0
75°	461.1	740.3	*806.4*	426.2	360.0	578.6	521.7	338.0	246.1	237.0
77.5°	292.1	406.0	*402.3*	319.6	270.0	391.3	350.8	233.3	167.2	159.8
80°	169.0	200.2	*207.6*	200.2	181.9	279.2	224.1	169.0	130.4	121.2
82.5°	108.4	124.9	*126.7*	97.4	101.0	180.0	121.2	99.2	75.3	68.0
85°	47.8	53.3	*51.4*	33.1	33.1	73.5	42.2	40.4	29.4	29.4
87.5°	1.8	3.7	*1.8*	1.8	1.8	7.3	3.7	5.5	5.5	5.5
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

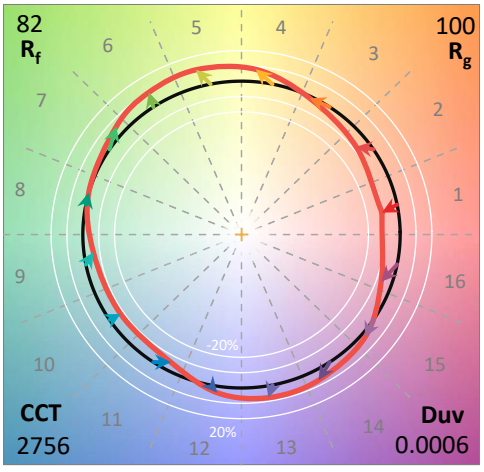
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

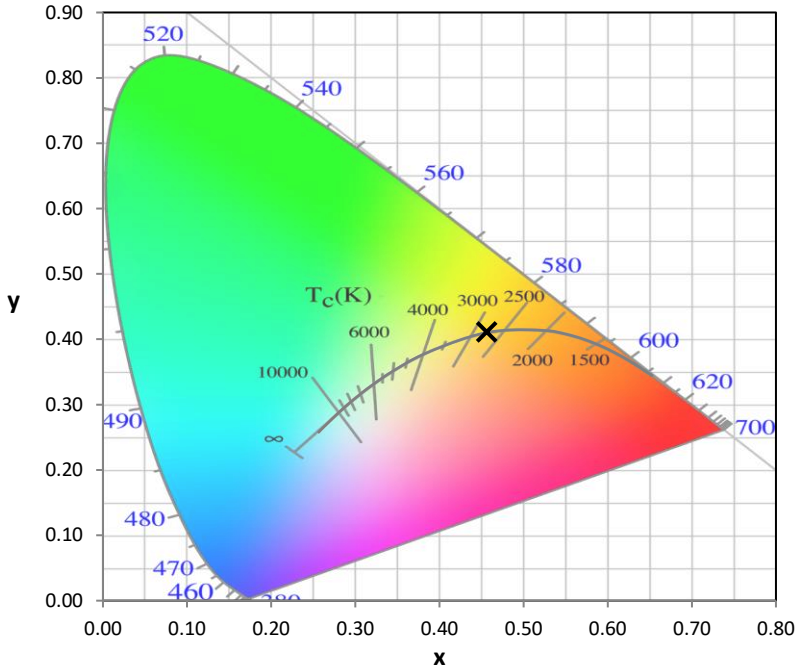
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

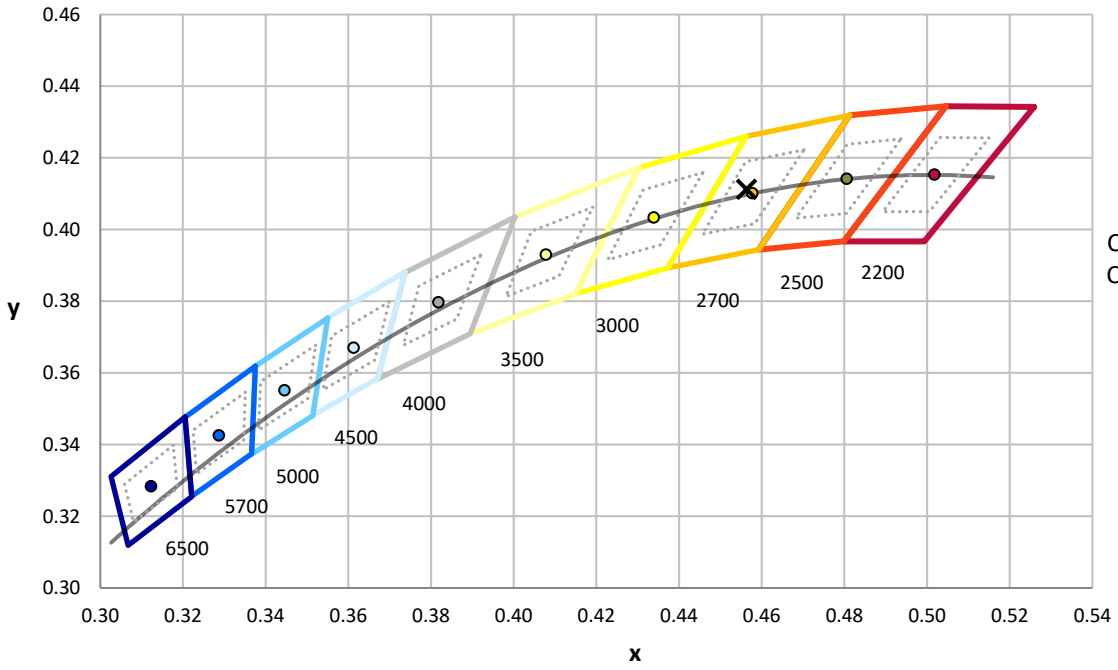
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

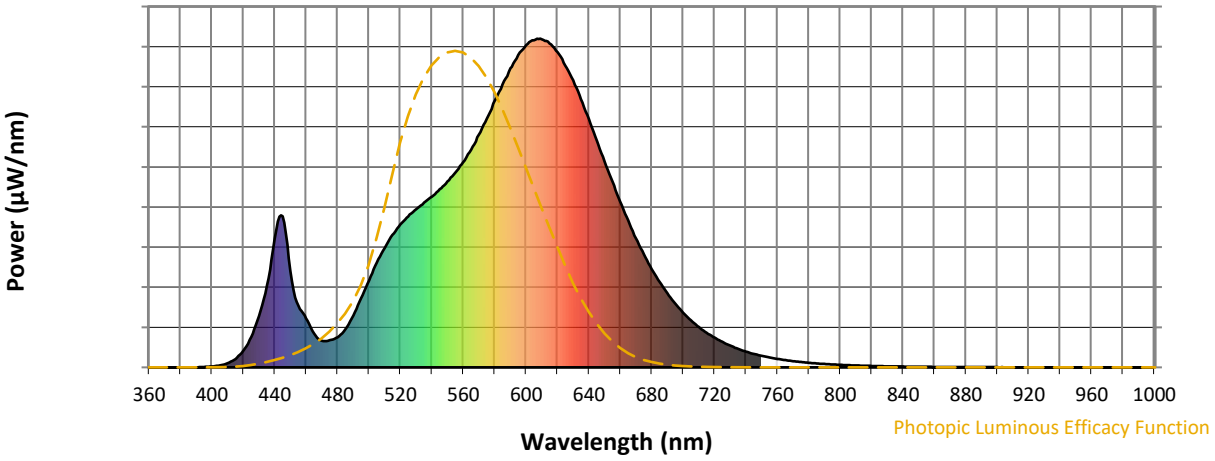


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

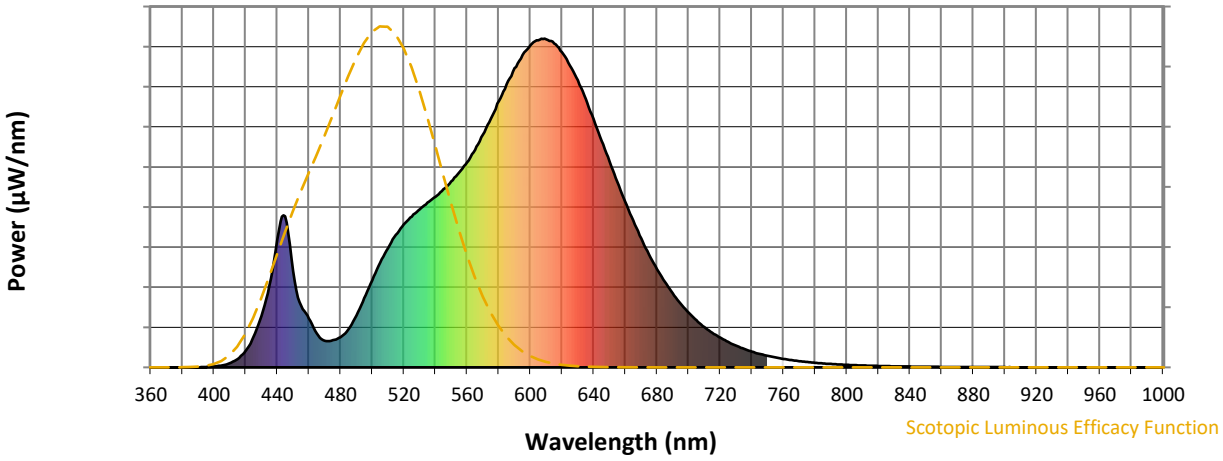


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

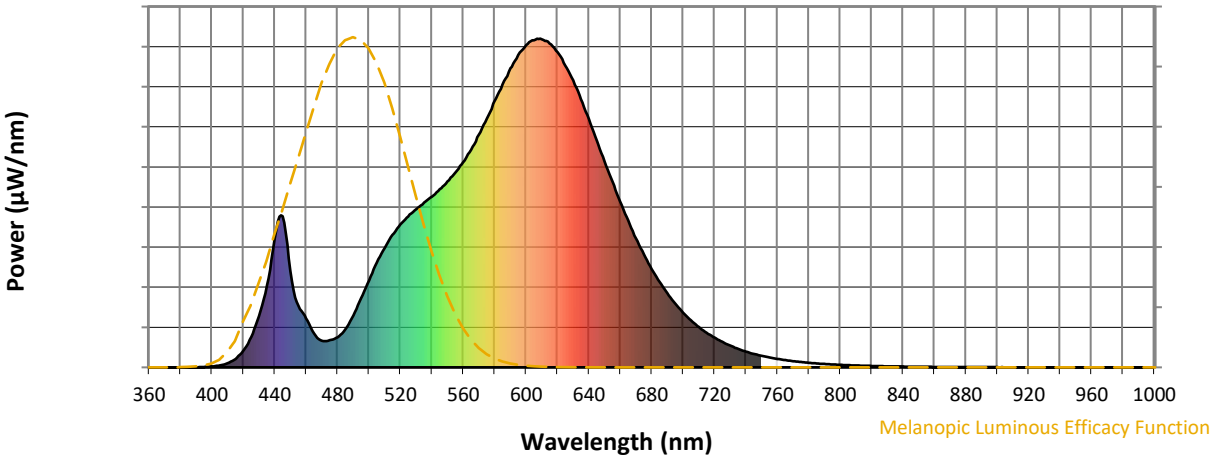


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

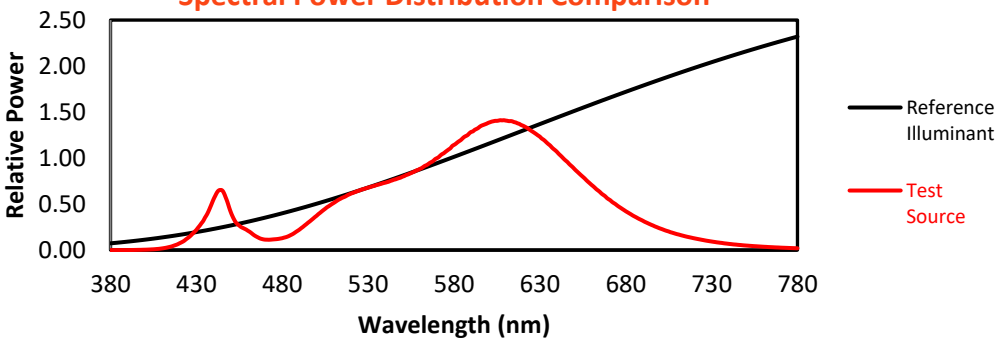
REPORT NUMBER: SP1-2407-184-8

TM-30-18

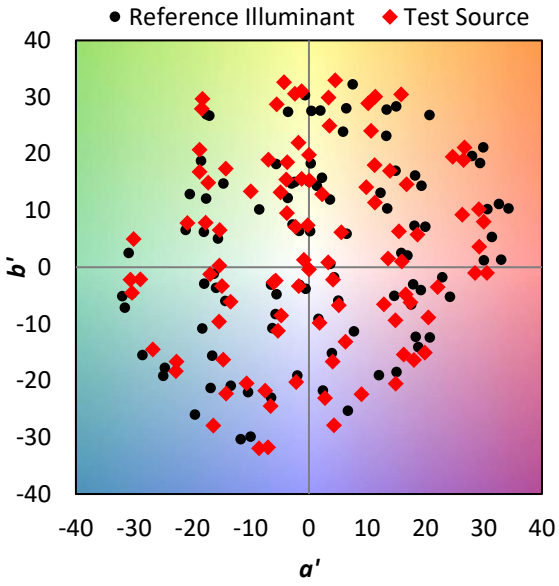
Summary

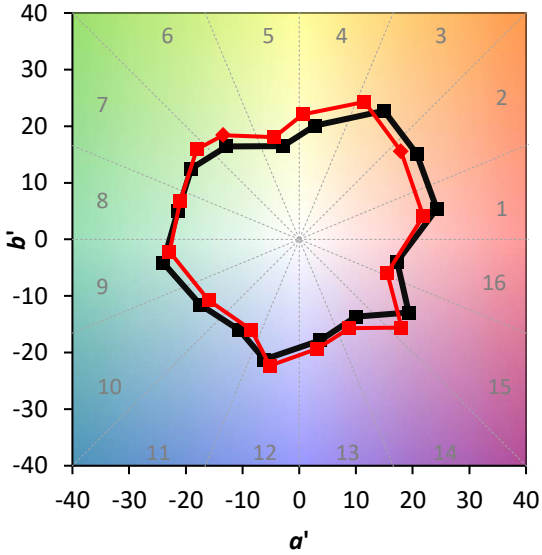
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

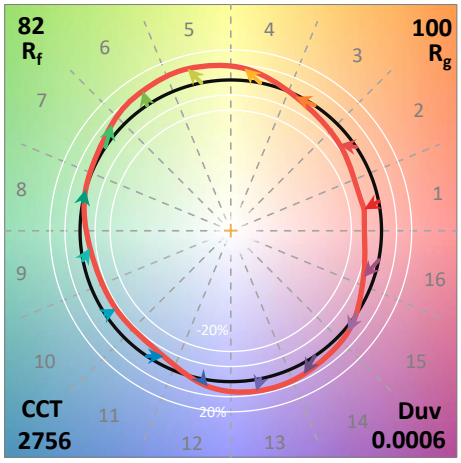
Spectral Power Distribution Comparison

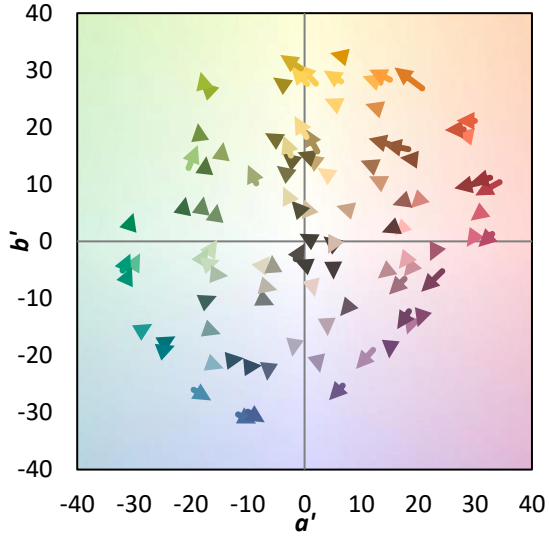


Color Vector Graphics







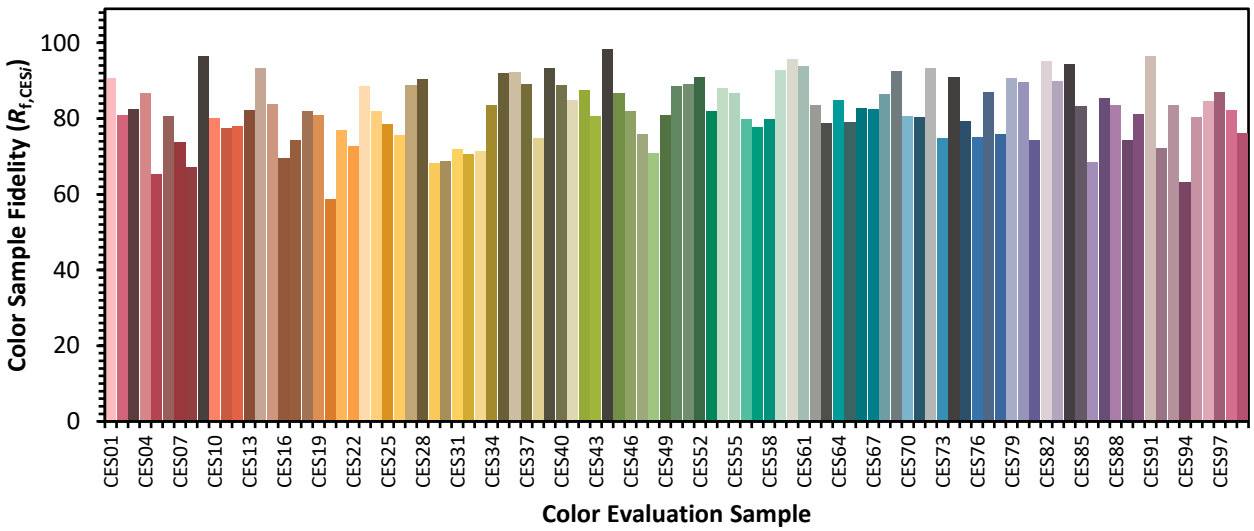


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Individual Sample Fidelity Index ($R_{f,i}$)

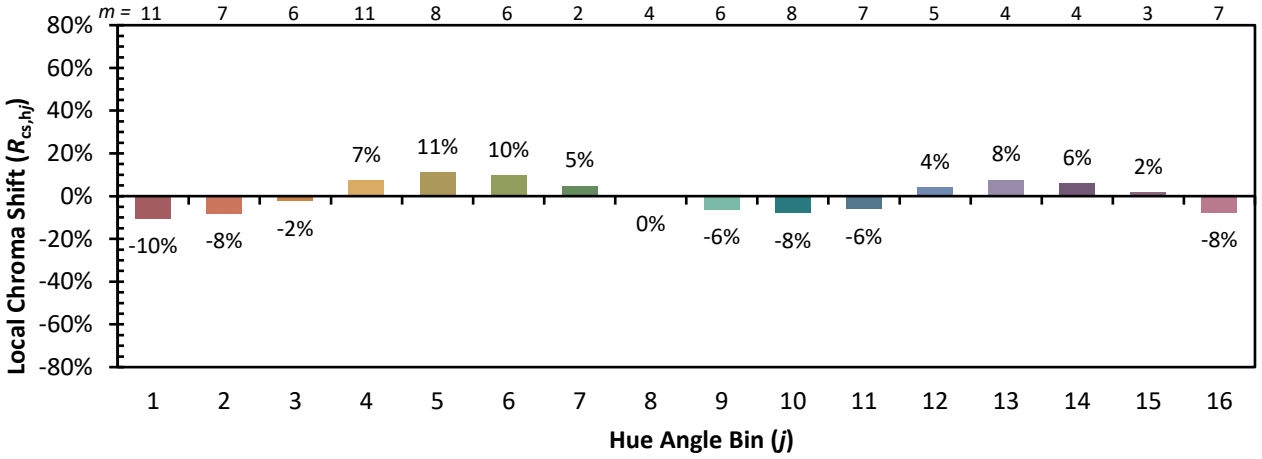
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

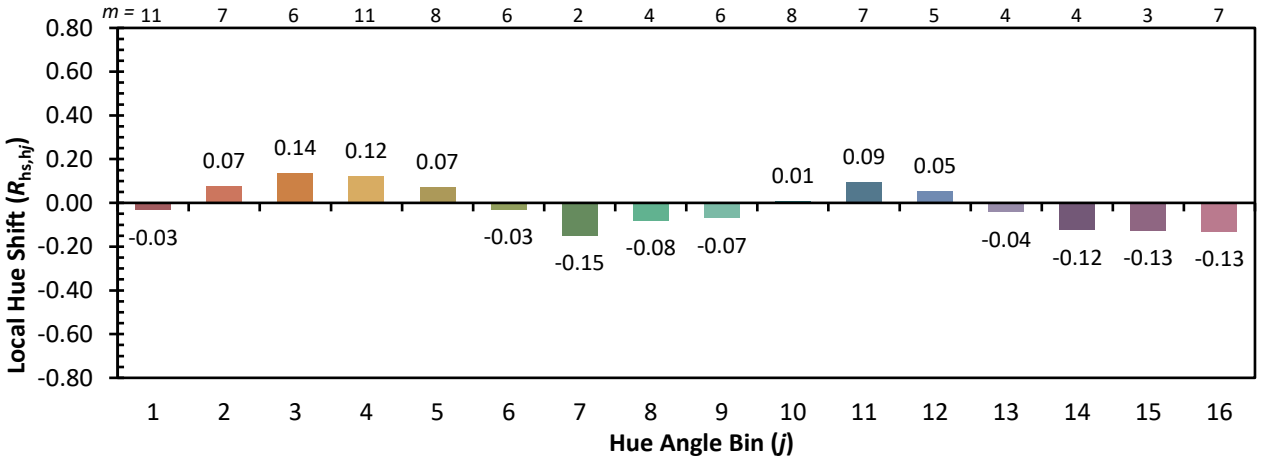


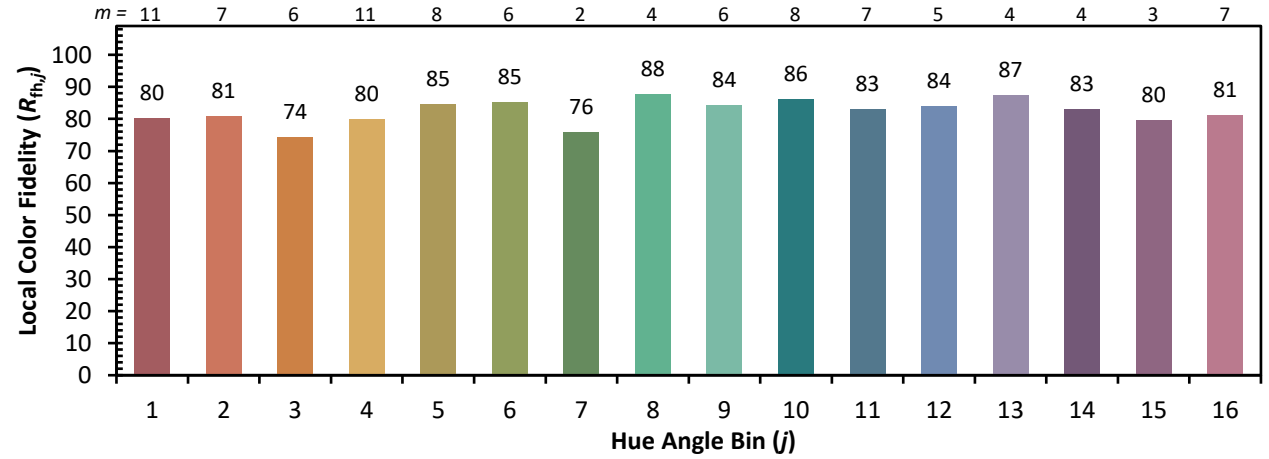
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Color Rendition by Hue-Angle Bin



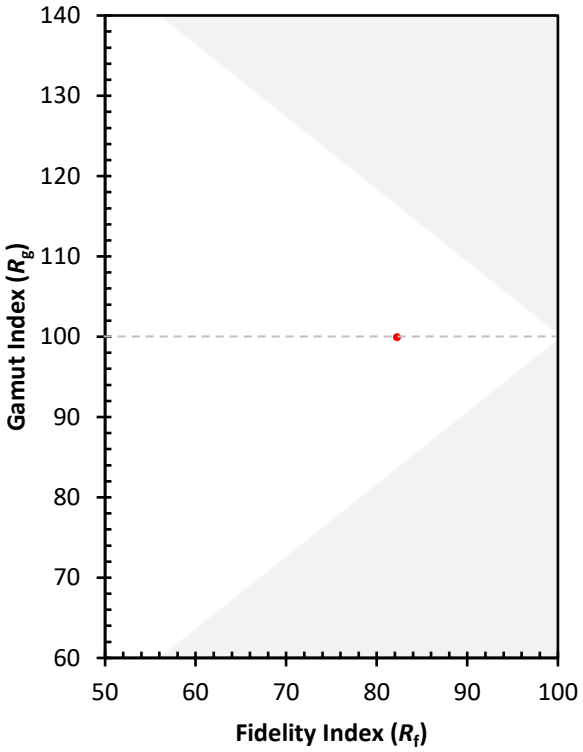


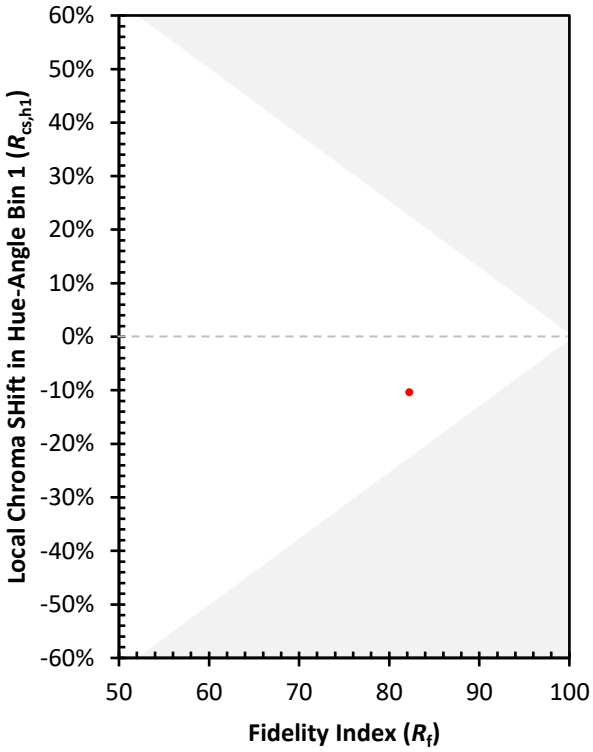


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Measure Comparisons





(END OF REPORT)