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: P1501405

Luminaire Tested: GSS-SB3A-730-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:	P1501405
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12481.1 lumens
Efficiency:	N/A
Efficacy:	146.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

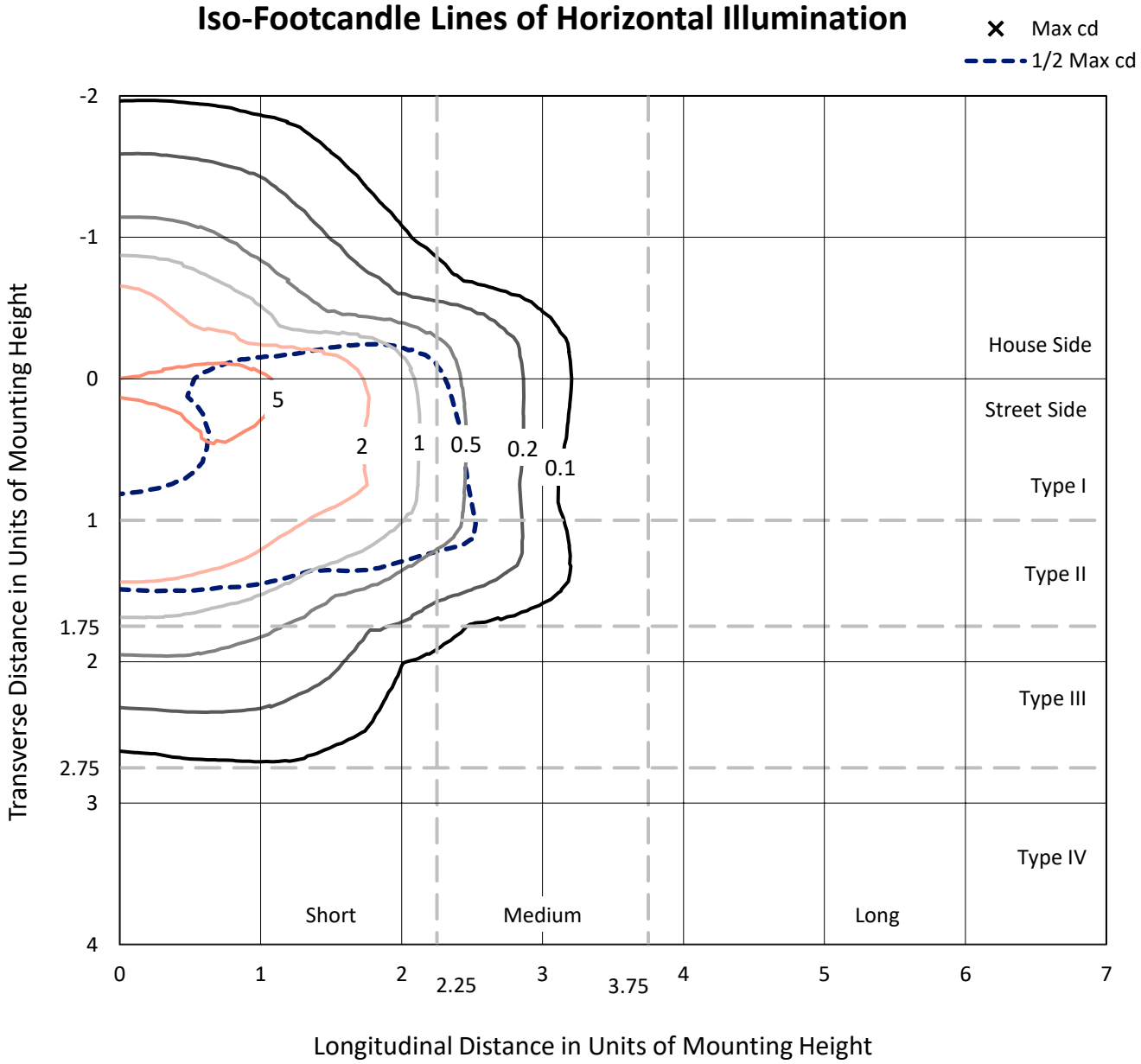
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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CATALOG NUMBER: GSS-SB3A-730-U-T2LG

Iso-Footcandle Lines of Horizontal Illumination



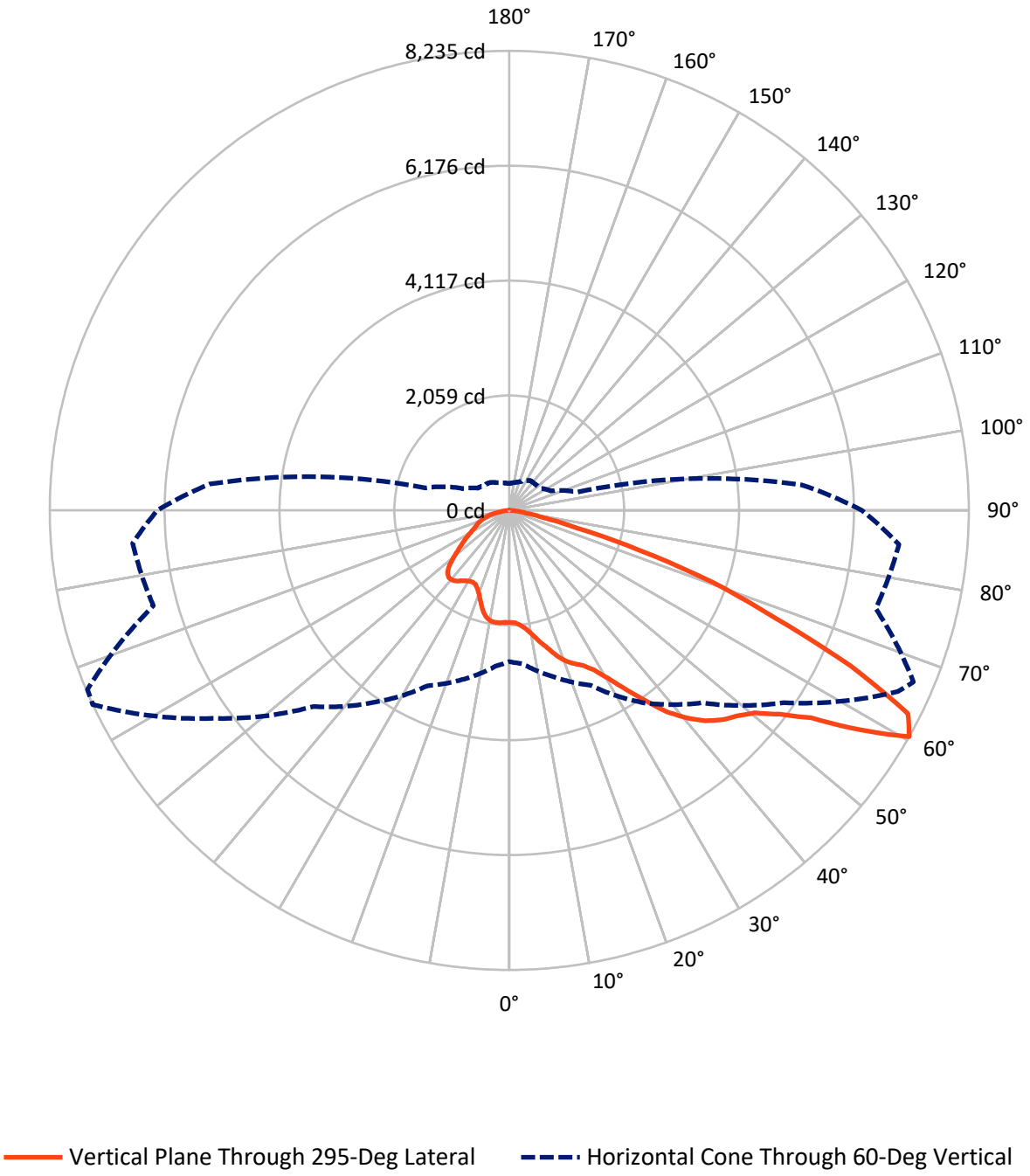
Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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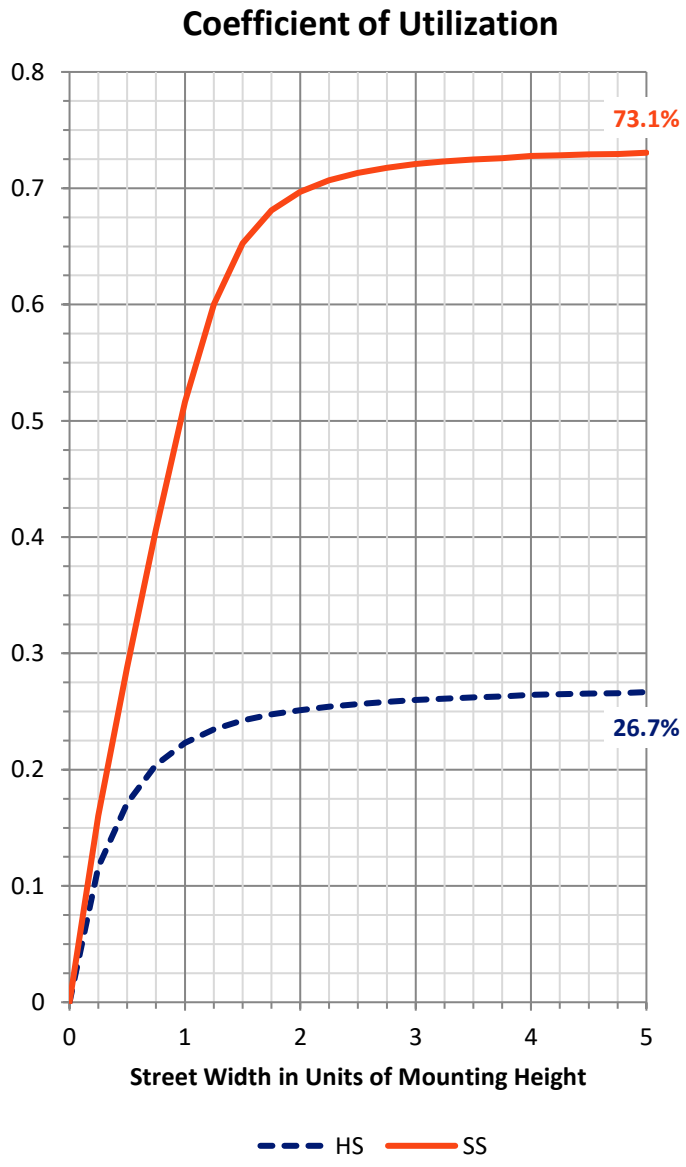
REPORT NUMBER: P1501405
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3356.3	0.0	3356.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	9124.8	0.0	9124.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	12481.1	0.0	12481.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	1.5
10°-20°	542.8	4.3
20°-30°	1028.1	8.2
30°-40°	1812.5	14.5
40°-50°	2680.5	21.5
50°-60°	3147.6	25.2
60°-70°	2280.6	18.3
70°-80°	703.3	5.6
80°-90°	96.8	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°	12481.1	100.0
0°-180°	12481.1	100.0



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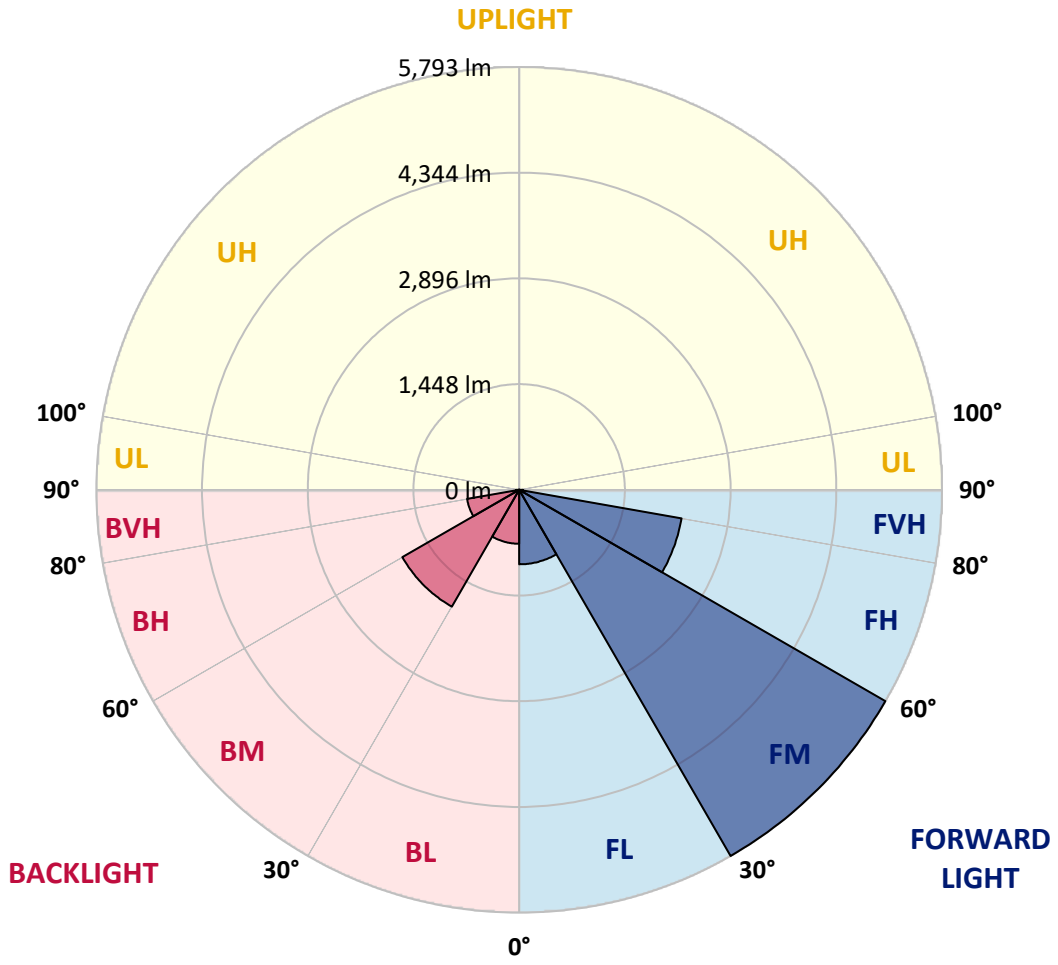
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1020.5	8.2			
FM	(30°-60°)	5792.6	46.4			
FH	(60°-80°)	2259.5	18.1			G2/5000
FVH	(80°-90°)	52.2	0.4			G1/100
BL	(0°-30°)	739.2	5.9	B2/1000		
BM	(30°-60°)	1848.1	14.8	B2/2500		
BH	(60°-80°)	724.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	44.6	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-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2
2.5°	2048.0	2053.7	2045.1	2050.8	2050.8	2042.3	2039.4	2028.1	2033.8	2030.9	2028.1
5°	2096.3	2099.2	2093.5	2102.0	2102.0	2104.9	2102.0	2087.8	2087.8	2087.8	2082.1
7.5°	2082.1	2082.1	2085.0	2113.4	2141.8	2178.8	2178.8	2173.1	2178.8	2176.0	2150.4
10°	1962.6	1974.0	1999.6	2070.7	2139.0	2218.6	2272.7	2289.8	2289.8	2292.6	2249.9
12.5°	1749.3	1757.8	1817.6	1925.7	2067.9	2213.0	2343.8	2429.1	2437.7	2451.9	2395.0
15°	1558.7	1564.4	1607.1	1718.0	1880.2	2136.2	2383.6	2560.0	2588.4	2648.1	2562.8
17.5°	1575.8	1573.0	1584.3	1627.0	1743.6	2011.0	2375.1	2713.6	2764.8	2870.0	2796.1
20°	1678.2	1678.2	1686.7	1695.3	1737.9	1920.0	2312.5	2838.7	2938.3	3143.1	3057.7
22.5°	1840.3	1840.3	1837.5	1851.7	1851.7	1959.8	2315.4	2932.6	3080.5	3447.4	3364.9
25°	2065.0	2053.7	2053.7	2059.4	2033.8	2110.6	2386.5	3029.3	3222.7	3808.7	3737.6
27.5°	2318.2	2326.7	2321.0	2301.1	2267.0	2326.7	2557.1	3180.1	3382.0	4189.8	4161.4
30°	2594.1	2596.9	2602.6	2591.3	2562.8	2605.5	2824.5	3407.6	3592.5	4588.0	4650.6
32.5°	2864.3	2904.1	2889.9	2861.5	2872.9	2949.7	3154.5	3714.8	3905.4	4957.8	5179.7
35°	3208.5	3222.7	3279.6	3174.4	3177.2	3308.1	3575.4	4118.7	4303.6	5341.8	5708.7
37.5°	3709.1	3734.7	3709.1	3544.1	3518.5	3700.6	3985.0	4516.9	4650.6	5631.9	6200.8
40°	4201.2	4232.5	4275.2	4081.7	3919.6	4070.4	4371.9	4821.3	4960.7	5791.2	6527.9
42.5°	4607.9	4659.1	4613.6	4556.8	4408.8	4437.3	4642.1	5057.4	5196.7	5993.2	6857.9
45°	4952.1	4960.7	4980.6	4940.7	4866.8	4841.2	4872.5	5265.0	5418.6	6084.2	7020.0
47.5°	5094.3	5131.3	5148.4	5216.7	5293.5	5242.3	5068.7	5361.7	5501.1	6078.5	7071.2
50°	5017.5	5054.5	5145.5	5307.7	5492.6	5583.6	5299.1	5495.4	5651.8	6180.9	7176.5
52.5°	4815.6	4855.4	5003.3	5188.2	5498.3	5705.9	5623.4	5774.2	5924.9	6363.0	7352.8
55°	4326.4	4386.1	4593.7	4900.9	5327.6	5640.5	5964.7	6183.8	6348.7	6582.0	7534.9
57.5°	3615.2	3677.8	3911.1	4371.9	5011.9	5370.3	6064.3	6951.7	7025.7	6843.7	7551.9
60°	*2707.9*	*2759.1*	*3089.0*	*3458.8*	*4209.7*	*4875.3*	*6007.4*	*7679.9*	*7867.6*	*6798.1*	*7008.6*
62.5°	2144.7	2207.3	2500.2	2670.9	3208.5	4027.7	5808.3	7881.9	8044.0	6422.7	6252.0
65°	1675.4	1718.0	1991.1	2235.7	2366.6	2750.5	4977.7	6894.9	7039.9	5811.1	5159.8
67.5°	1106.5	1171.9	1496.2	1831.8	1900.1	1749.3	3424.7	5304.8	5373.1	4619.3	3879.8
70°	793.6	824.9	1066.7	1425.1	1527.4	1171.9	1865.9	4016.3	4036.2	3100.4	2614.0
72.5°	540.4	546.1	725.3	1092.3	1217.4	850.5	1026.8	2645.3	2577.0	1530.3	1496.2
75°	366.9	372.6	463.6	728.2	861.9	591.6	668.4	1442.1	1385.2	844.8	907.4
77.5°	247.5	253.2	318.6	489.2	574.6	409.6	489.2	762.3	748.1	560.3	486.4
80°	187.7	196.3	236.1	312.9	401.1	238.9	278.8	361.2	366.9	298.7	247.5
82.5°	105.2	116.6	142.2	159.3	258.8	133.7	133.7	216.2	207.6	184.9	133.7
85°	45.5	48.4	56.9	59.7	105.2	56.9	48.4	93.9	96.7	91.0	42.7
87.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.4	11.4	11.4	11.4
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°	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2
2.5°	2013.8	2030.9	2013.8	2005.3	2005.3	1991.1	1985.4	1985.4	1965.5	1974.0	1968.3
5°	2059.4	2065.0	2045.1	2019.5	1985.4	1957.0	1917.1	1865.9	1834.6	1831.8	1834.6
7.5°	2130.5	2133.3	2079.3	2022.4	1937.0	1834.6	1712.3	1612.8	1524.6	1510.4	1527.4
10°	2230.0	2224.3	2144.7	2011.0	1831.8	1615.6	1427.9	1336.9	1285.7	1282.8	1280.0
12.5°	2363.7	2326.7	2204.4	1962.6	1649.8	1399.5	1302.7	1297.1	1311.3	1322.7	1325.5
15°	2517.3	2469.0	2252.8	1868.8	1464.9	1319.8	1325.5	1373.9	1390.9	1402.3	1402.3
17.5°	2707.9	2645.3	2306.8	1735.1	1371.0	1336.9	1376.7	1422.2	1450.7	1462.0	1459.2
20°	2961.0	2830.2	2349.5	1607.1	1345.4	1365.3	1399.5	1445.0	1473.4	1487.6	1487.6
22.5°	3214.2	3052.1	2358.0	1518.9	1345.4	1368.2	1399.5	1445.0	1476.3	1490.5	1487.6
25°	3558.4	3336.5	2360.9	1456.3	1348.3	1353.9	1382.4	1422.2	1467.7	1481.9	1487.6
27.5°	3925.3	3649.4	2375.1	1442.1	1336.9	1334.0	1353.9	1390.9	1436.4	1473.4	1476.3
30°	4380.4	4002.1	2380.8	1456.3	1339.7	1302.7	1317.0	1353.9	1402.3	1439.3	1450.7
32.5°	4827.0	4329.2	2369.4	1487.6	1345.4	1282.8	1285.7	1308.4	1359.6	1385.2	1405.1
35°	5299.1	4676.2	2349.5	1530.3	1348.3	1274.3	1248.7	1260.1	1294.2	1297.1	1305.6
37.5°	5668.9	4935.1	2289.8	1587.2	1353.9	1243.0	1191.8	1183.3	1169.1	1140.6	1146.3
40°	5973.3	5108.6	2190.2	1615.6	1339.7	1206.0	1120.7	1080.9	1026.8	984.2	992.7
42.5°	6192.3	5225.2	2070.7	1621.3	1317.0	1143.5	1038.2	969.9	910.2	864.7	867.5
45°	6289.0	5213.8	1942.7	1578.6	1262.9	1066.7	961.4	896.0	830.6	782.2	776.5
47.5°	6291.8	5102.9	1766.4	1476.3	1171.9	978.5	890.3	819.2	765.1	731.0	728.2
50°	6314.6	5040.3	1601.4	1328.3	1052.4	884.6	827.7	756.6	725.3	677.0	662.7
52.5°	6456.8	5142.7	1487.6	1166.2	941.5	816.3	773.7	711.1	659.9	628.6	625.8
55°	6687.2	5319.1	1425.1	1043.9	836.3	750.9	722.5	668.4	622.9	591.6	583.1
57.5°	6715.7	5410.1	1351.1	930.1	750.9	699.7	688.3	628.6	563.2	540.4	531.9
60°	*6317.4*	*5256.5*	*1260.1*	*824.9*	*688.3*	*659.9*	*654.2*	*574.6*	*520.5*	*492.1*	*480.7*
62.5°	5774.2	4872.5	1120.7	728.2	640.0	620.1	597.3	534.7	466.5	435.2	426.7
65°	4718.9	4096.0	952.9	662.7	591.6	568.9	563.2	477.9	432.4	415.3	412.4
67.5°	3575.4	3291.0	839.1	614.4	540.4	531.9	512.0	483.6	463.6	443.7	438.0
70°	2528.7	2375.1	713.9	551.8	489.2	475.0	557.5	526.2	455.1	429.5	426.7
72.5°	1533.1	1490.5	617.2	494.9	421.0	443.7	514.8	475.0	409.6	378.3	366.9
75°	967.1	884.6	517.7	421.0	335.6	361.2	449.4	423.8	352.7	321.4	312.9
77.5°	526.2	489.2	389.7	344.2	264.5	293.0	392.5	349.9	281.6	307.2	273.1
80°	230.4	256.0	258.8	199.1	176.4	216.2	281.6	273.1	216.2	219.0	182.0
82.5°	110.9	145.1	167.8	136.5	99.6	128.0	187.7	156.4	145.1	136.5	130.8
85°	34.1	54.0	74.0	65.4	45.5	54.0	88.2	85.3	102.4	88.2	82.5
87.5°	11.4	11.4	8.5	8.5	8.5	11.4	14.2	8.5	2.8	2.8	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°	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2
2.5°	1965.5	1968.3	1968.3	1971.2	1971.2	1979.7	1991.1	2002.5	1993.9	2005.3	2008.2
5°	1829.0	1843.2	1854.6	1897.2	1931.4	1959.8	1991.1	2019.5	2028.1	2033.8	2048.0
7.5°	1507.5	1547.4	1621.3	1718.0	1826.1	1931.4	2002.5	2076.4	2087.8	2102.0	2121.9
10°	1282.8	1299.9	1351.1	1450.7	1644.1	1851.7	2025.2	2141.8	2190.2	2218.6	2238.6
12.5°	1319.8	1308.4	1299.9	1314.1	1439.3	1706.6	2011.0	2235.7	2326.7	2358.0	2383.6
15°	1408.0	1396.6	1365.3	1325.5	1339.7	1553.0	1962.6	2323.9	2469.0	2520.2	2574.2
17.5°	1459.2	1447.8	1422.2	1379.5	1342.6	1425.1	1871.6	2403.5	2693.7	2756.2	2833.0
20°	1487.6	1476.3	1450.7	1408.0	1365.3	1376.7	1755.0	2503.1	2949.7	3049.2	3163.0
22.5°	1493.3	1479.1	1450.7	1408.0	1382.4	1373.9	1644.1	2562.8	3225.6	3379.2	3510.0
25°	1490.5	1464.9	1427.9	1396.6	1382.4	1379.5	1567.3	2596.9	3524.2	3768.8	3916.8
27.5°	1470.6	1439.3	1402.3	1379.5	1373.9	1390.9	1533.1	2636.8	3874.1	4187.0	4423.1
30°	1447.8	1402.3	1356.8	1348.3	1362.5	1416.5	1561.6	2651.0	4241.0	4642.1	4883.9
32.5°	1388.1	1353.9	1308.4	1305.6	1339.7	1436.4	1627.0	2631.1	4565.3	5097.2	5401.5
35°	1302.7	1282.8	1257.2	1265.8	1319.8	1453.5	1672.5	2568.5	4861.1	5521.0	5876.6
37.5°	1152.0	1166.2	1180.4	1200.3	1268.6	1450.7	1692.4	2469.0	5105.7	5859.5	6314.6
40°	984.2	1032.5	1078.0	1129.2	1220.3	1427.9	1698.1	2346.6	5247.9	6115.5	6704.3
42.5°	878.9	924.4	981.3	1055.3	1154.8	1376.7	1692.4	2210.1	5293.5	6291.8	6951.7
45°	782.2	836.3	907.4	984.2	1097.9	1302.7	1641.2	2062.2	5316.2	6374.3	7057.0
47.5°	731.0	762.3	827.7	904.5	1024.0	1211.7	1541.7	1954.1	5282.1	6391.4	7185.0
50°	671.3	713.9	756.6	830.6	947.2	1097.9	1422.2	1891.5	5339.0	6559.2	7386.9
52.5°	625.8	648.5	694.0	762.3	847.6	992.7	1308.4	1840.3	5495.4	6729.9	7597.4
55°	591.6	617.2	645.7	702.6	768.0	887.5	1191.8	1763.5	5677.4	6911.9	7807.9
57.5°	537.6	554.7	594.5	654.2	696.9	785.1	1055.3	1672.5	5663.2	6769.7	7443.8
60°	*489.2*	*506.3*	*549.0*	*608.7*	*634.3*	*694.0*	*921.6*	*1555.9*	*5390.2*	*6306.1*	*6772.5*
62.5°	435.2	455.1	506.3	549.0	571.7	617.2	782.2	1342.6	4821.3	5609.2	5987.5
65°	412.4	423.8	458.0	509.1	506.3	549.0	659.9	1055.3	3879.8	4286.5	4630.7
67.5°	438.0	455.1	449.4	463.6	455.1	477.9	591.6	847.6	3049.2	3228.4	3427.5
70°	432.4	472.2	492.1	463.6	398.2	423.8	512.0	677.0	2181.7	2164.6	2156.1
72.5°	378.3	418.1	475.0	503.5	389.7	352.7	443.7	585.9	1399.5	1393.8	1260.1
75°	321.4	349.9	418.1	455.1	335.6	284.4	381.2	497.8	836.3	847.6	756.6
77.5°	295.8	281.6	349.9	401.1	273.1	219.0	307.2	375.5	460.8	466.5	432.4
80°	213.3	204.8	261.7	293.0	207.6	156.4	173.5	233.2	247.5	221.9	230.4
82.5°	136.5	139.4	156.4	187.7	128.0	85.3	119.5	156.4	133.7	108.1	128.0
85°	88.2	99.6	82.5	96.7	39.8	39.8	51.2	68.3	45.5	31.3	34.1
87.5°	0.0	0.0	5.7	11.4	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: P1501405
CATALOG NUMBER: GSS-SB3A-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2008.2	2008.2	*2008.2*	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2	2008.2
2.5°	2016.7	2013.8	*2013.8*	2019.5	2033.8	2039.4	2048.0	2045.1	2053.7	2048.0
5°	2056.5	2059.4	*2067.9*	2070.7	2079.3	2090.6	2093.5	2090.6	2096.3	2096.3
7.5°	2136.2	2147.5	*2141.8*	2156.1	2144.7	2130.5	2107.7	2090.6	2076.4	2082.1
10°	2269.8	2264.2	*2261.3*	2235.7	2184.5	2110.6	2050.8	1985.4	1974.0	1962.6
12.5°	2417.8	2412.1	*2412.1*	2323.9	2178.8	2025.2	1888.7	1786.3	1752.2	1749.3
15°	2625.4	2588.4	*2554.3*	2369.4	2079.3	1817.6	1658.3	1578.6	1558.7	1558.7
17.5°	2884.2	2787.5	*2730.6*	2335.3	1917.1	1681.0	1587.2	1567.3	1561.6	1575.8
20°	3205.7	2961.0	*2878.5*	2258.5	1857.4	1698.1	1652.6	1655.4	1658.3	1678.2
22.5°	3558.4	3120.3	*2983.8*	2258.5	1917.1	1806.2	1783.4	1814.7	1823.3	1840.3
25°	3950.9	3262.5	*3077.7*	2377.9	2093.5	2011.0	1982.6	2013.8	2036.6	2065.0
27.5°	4391.8	3410.5	*3239.8*	2594.1	2321.0	2269.8	2238.6	2252.8	2284.1	2318.2
30°	4787.1	3657.9	*3487.3*	2924.1	2631.1	2568.5	2514.5	2537.2	2571.3	2594.1
32.5°	5137.0	3959.4	*3814.4*	3271.1	2986.6	2878.5	2818.8	2813.1	2881.4	2864.3
35°	5458.4	4315.0	*4175.6*	3666.4	3347.9	3214.2	3134.5	3236.9	3191.4	3208.5
37.5°	5711.6	4684.7	*4573.8*	4044.8	3723.3	3541.3	3492.9	3618.1	3689.2	3709.1
40°	5919.2	5006.2	*4889.5*	4420.2	4067.5	3933.8	4010.6	4218.3	4209.7	4201.2
42.5°	6078.5	5282.1	*5154.1*	4704.7	4397.5	4423.1	4482.8	4622.2	4656.3	4607.9
45°	6149.6	5455.6	*5353.2*	4929.4	4772.9	4920.8	4946.4	5006.2	4983.4	4952.1
47.5°	6232.1	5609.2	*5501.1*	5134.2	5179.7	5324.7	5273.5	5225.2	5142.7	5094.3
50°	6371.5	5791.2	*5700.2*	5432.8	5597.8	5549.5	5350.3	5242.3	5074.4	5017.5
52.5°	6636.0	6135.4	*6067.1*	5905.0	5794.1	5515.3	5273.5	5080.1	4892.4	4815.6
55°	6872.1	6601.9	*6562.1*	6345.9	5734.3	5336.1	5011.9	4713.2	4391.8	4326.4
57.5°	7008.6	7375.6	*7421.1*	6533.6	5461.3	4929.4	4451.5	3973.6	3669.3	3615.2
60°	*6601.9*	*8211.8*	*8234.6*	*6496.6*	*4969.2*	*4195.5*	*3467.3*	*3128.9*	*2801.7*	*2707.9*
62.5°	6041.5	8038.3	*8018.4*	6274.8	3956.6	3060.6	2633.9	2474.6	2221.5	2144.7
65°	5193.9	6695.7	*6718.5*	5421.5	2631.1	2213.0	2213.0	2011.0	1729.4	1675.4
67.5°	4232.5	5162.6	*5111.4*	3515.7	1615.6	1772.1	1857.4	1567.3	1171.9	1106.5
70°	2750.5	3942.4	*3871.2*	2028.1	1015.5	1476.3	1462.0	1177.6	839.1	793.6
72.5°	1183.3	2278.4	*2423.4*	1035.4	765.1	1189.0	1166.2	824.9	560.3	540.4
75°	713.9	1146.3	*1248.7*	659.9	557.5	896.0	807.8	523.4	381.2	366.9
77.5°	452.3	628.6	*622.9*	494.9	418.1	605.9	543.3	361.2	258.8	247.5
80°	261.7	310.0	*321.4*	310.0	281.6	432.4	347.0	261.7	202.0	187.7
82.5°	167.8	193.4	*196.3*	150.8	156.4	278.8	187.7	153.6	116.6	105.2
85°	74.0	82.5	*79.6*	51.2	51.2	113.8	65.4	62.6	45.5	45.5
87.5°	2.8	5.7	*2.8*	2.8	2.8	11.4	5.7	8.5	8.5	8.5
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

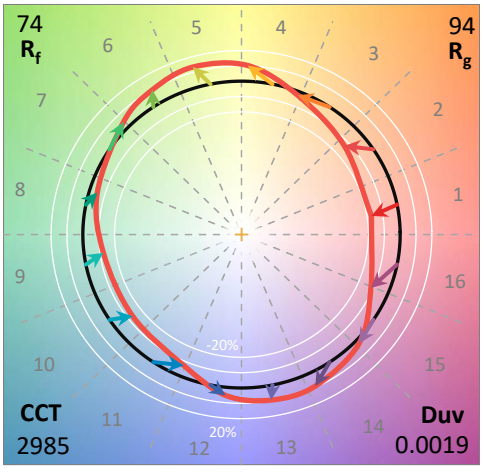
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

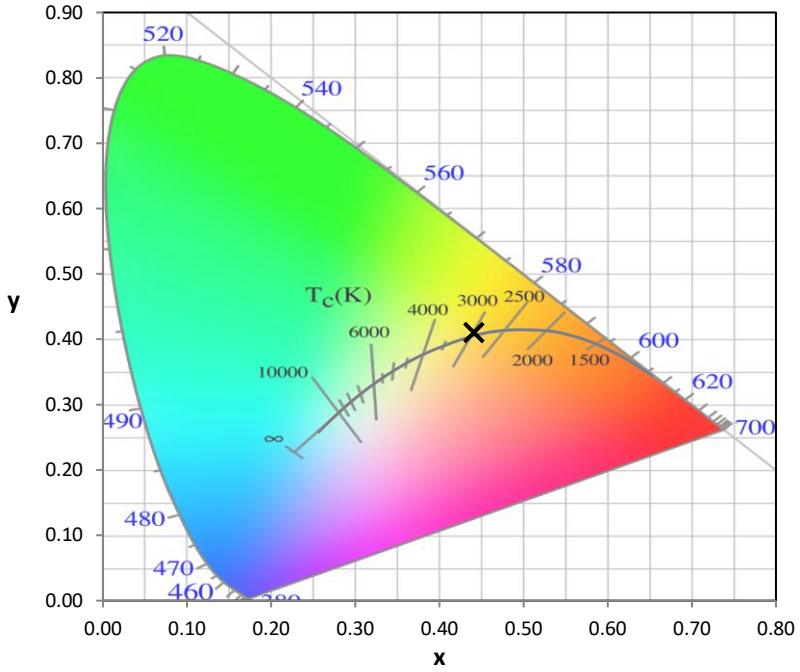
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

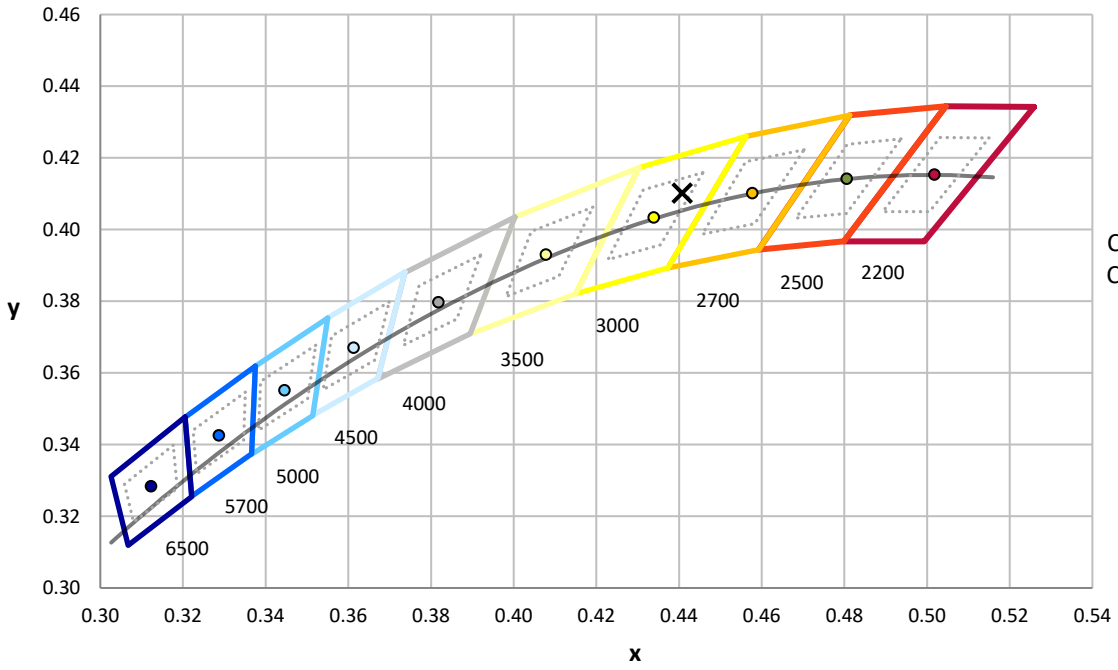
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

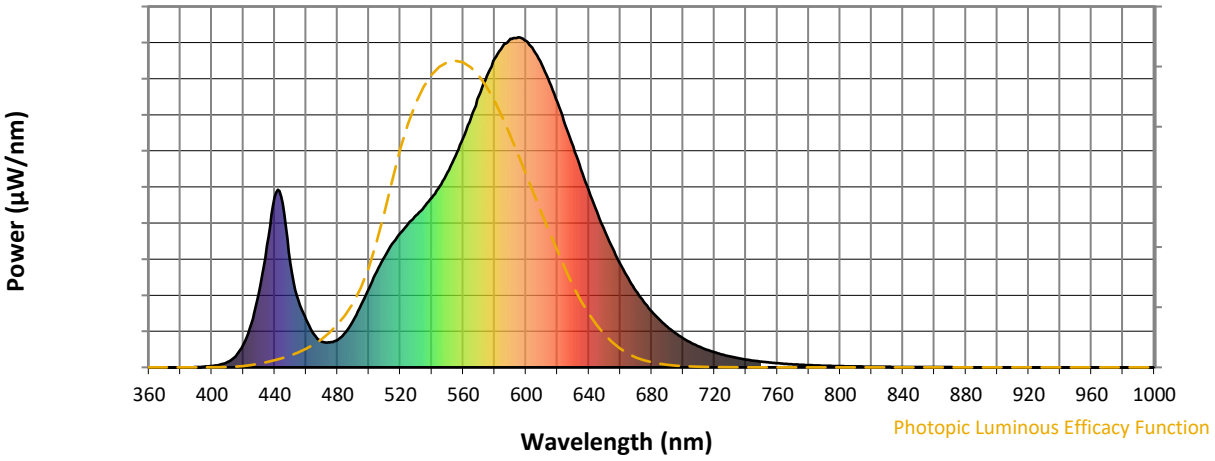


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

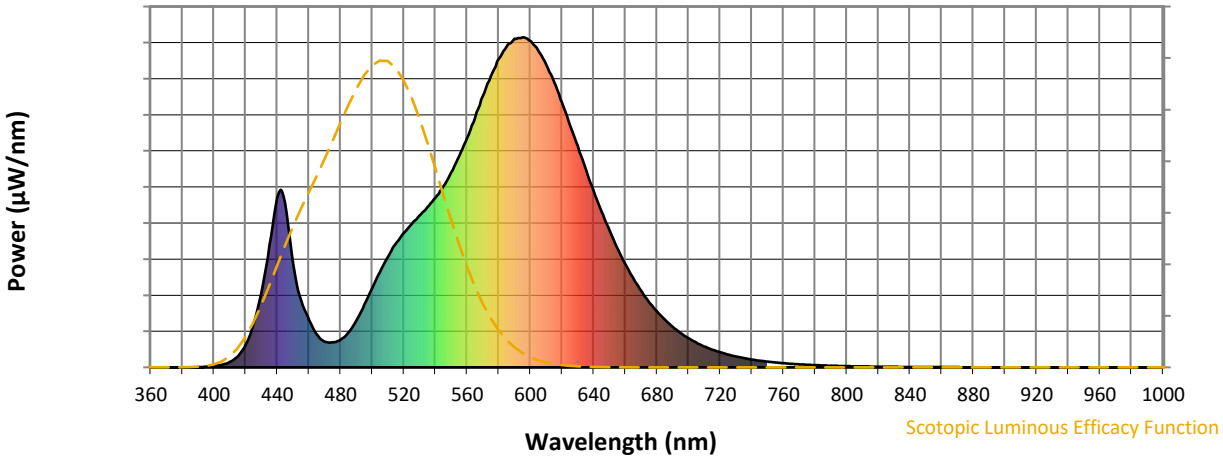


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

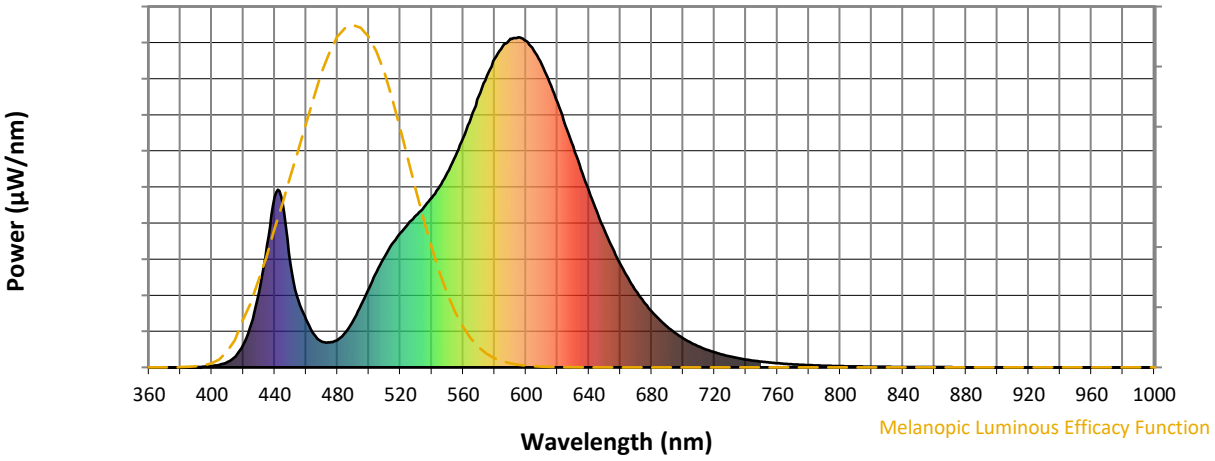


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

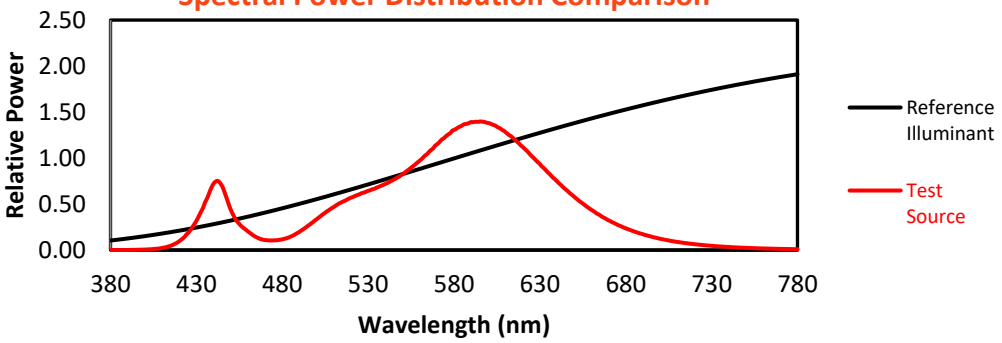
REPORT NUMBER: SP1-2407-184-4

TM-30-18

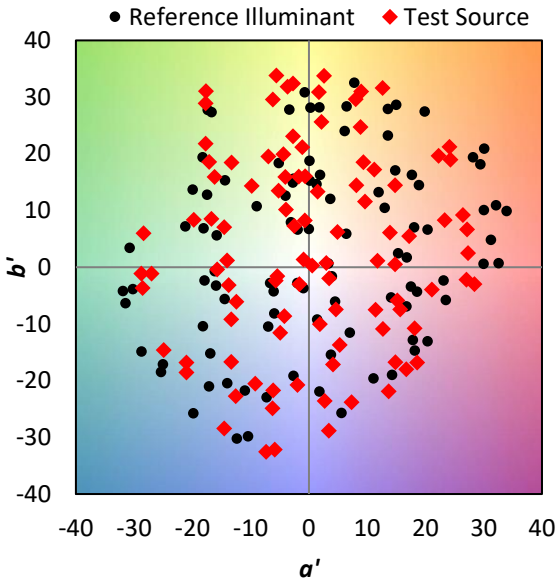
Summary

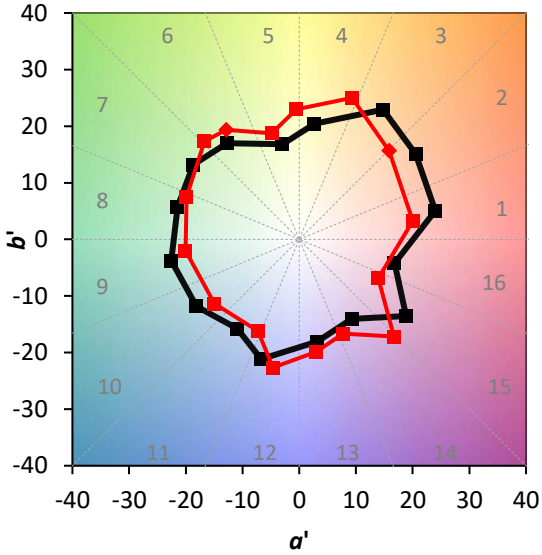
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

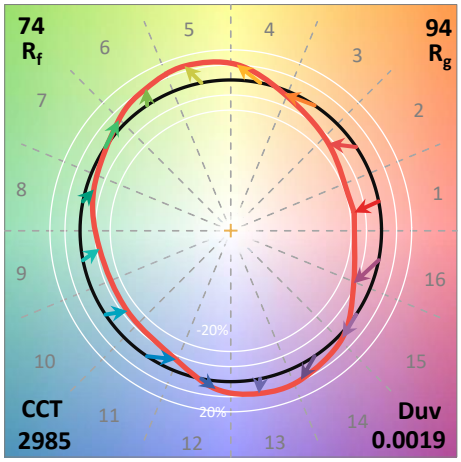
Spectral Power Distribution Comparison

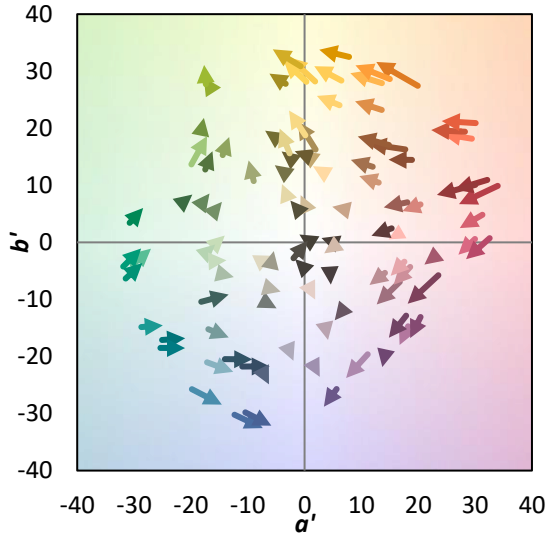


Color Vector Graphics







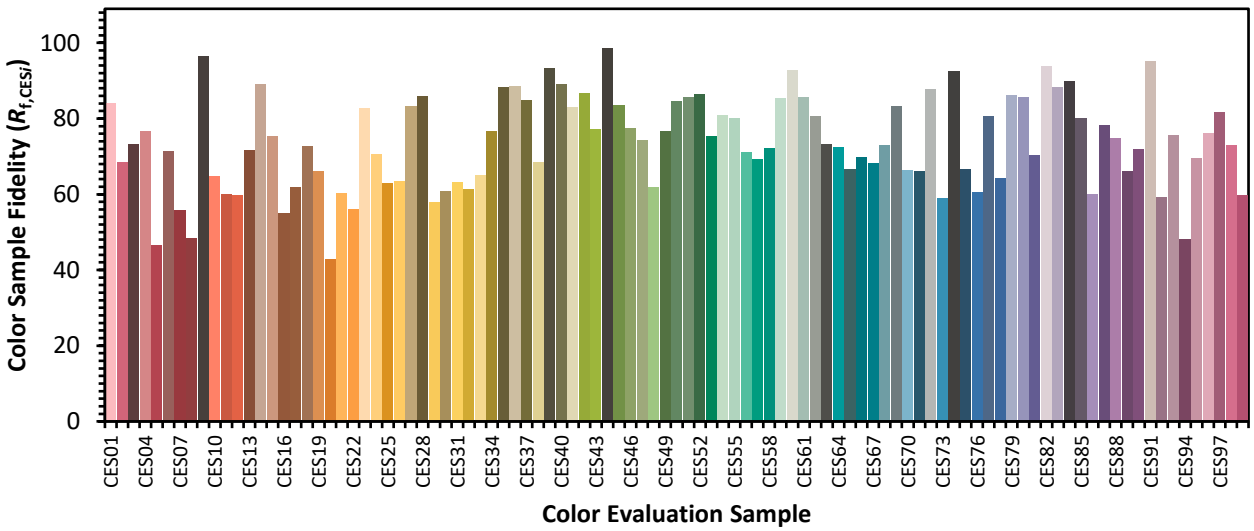


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

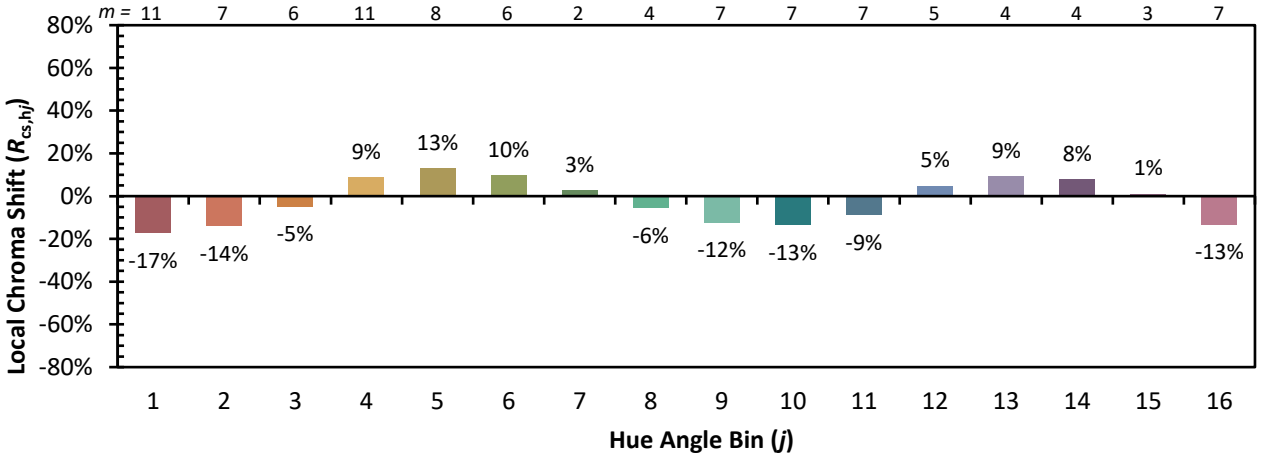
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
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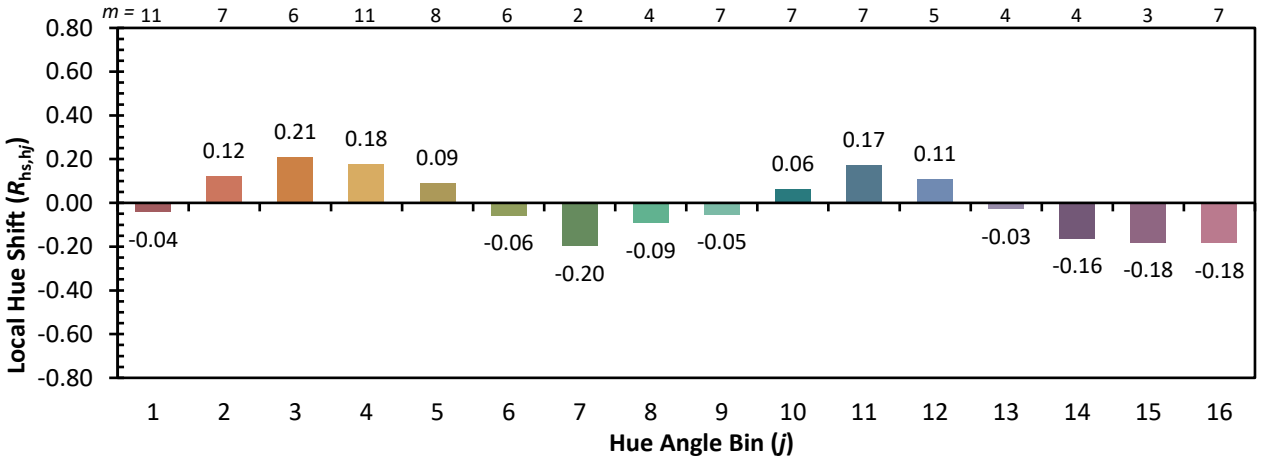


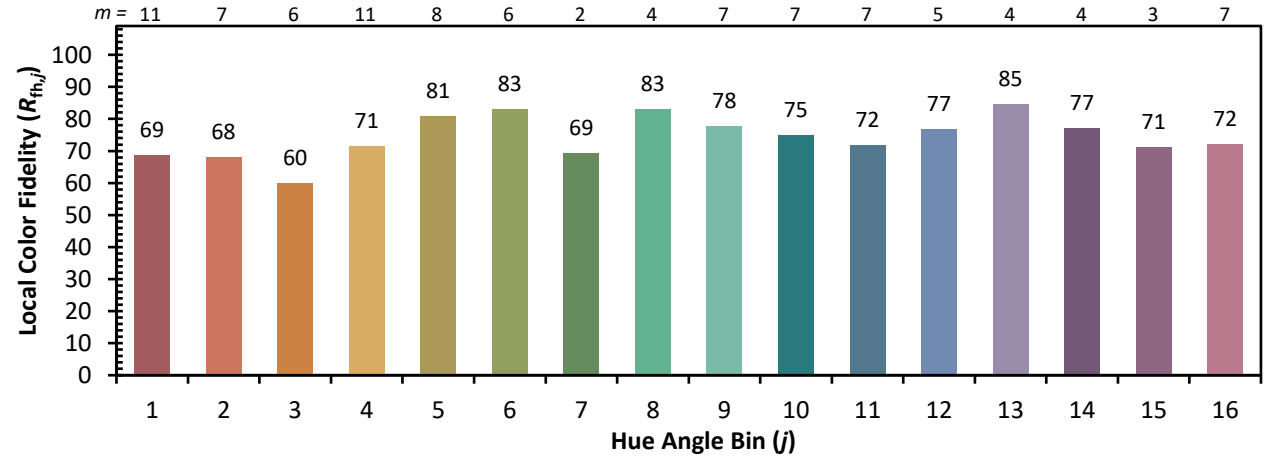
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



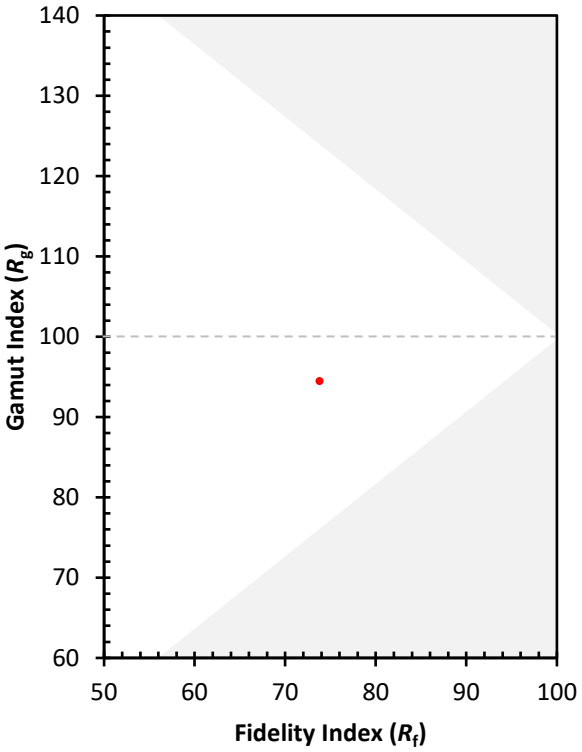


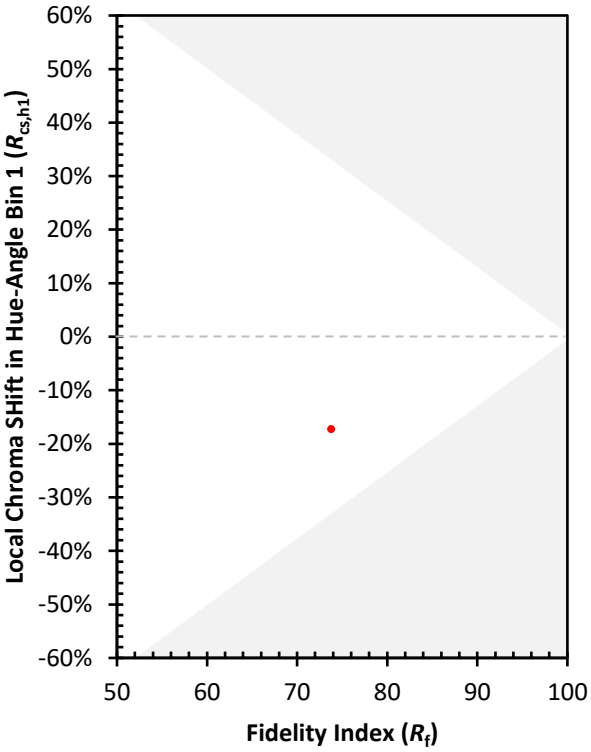


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)