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: P1364560

Luminaire Tested: **GSS-SB3B-727-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364560
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-727-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11066.7 lumens
Efficiency:	N/A
Efficacy:	101.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

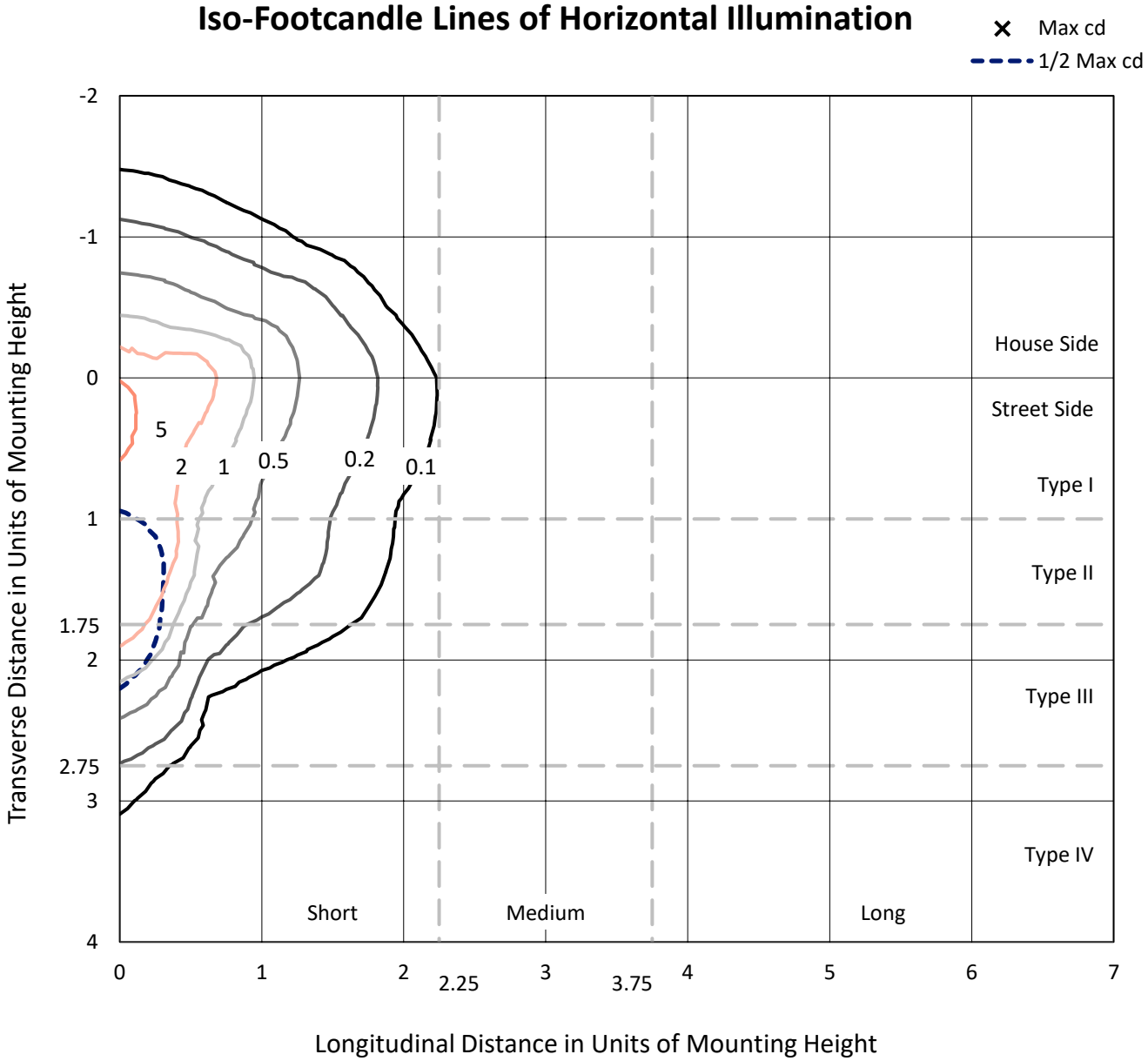
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364560
CATALOG NUMBER: GSS-SB3B-727-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination



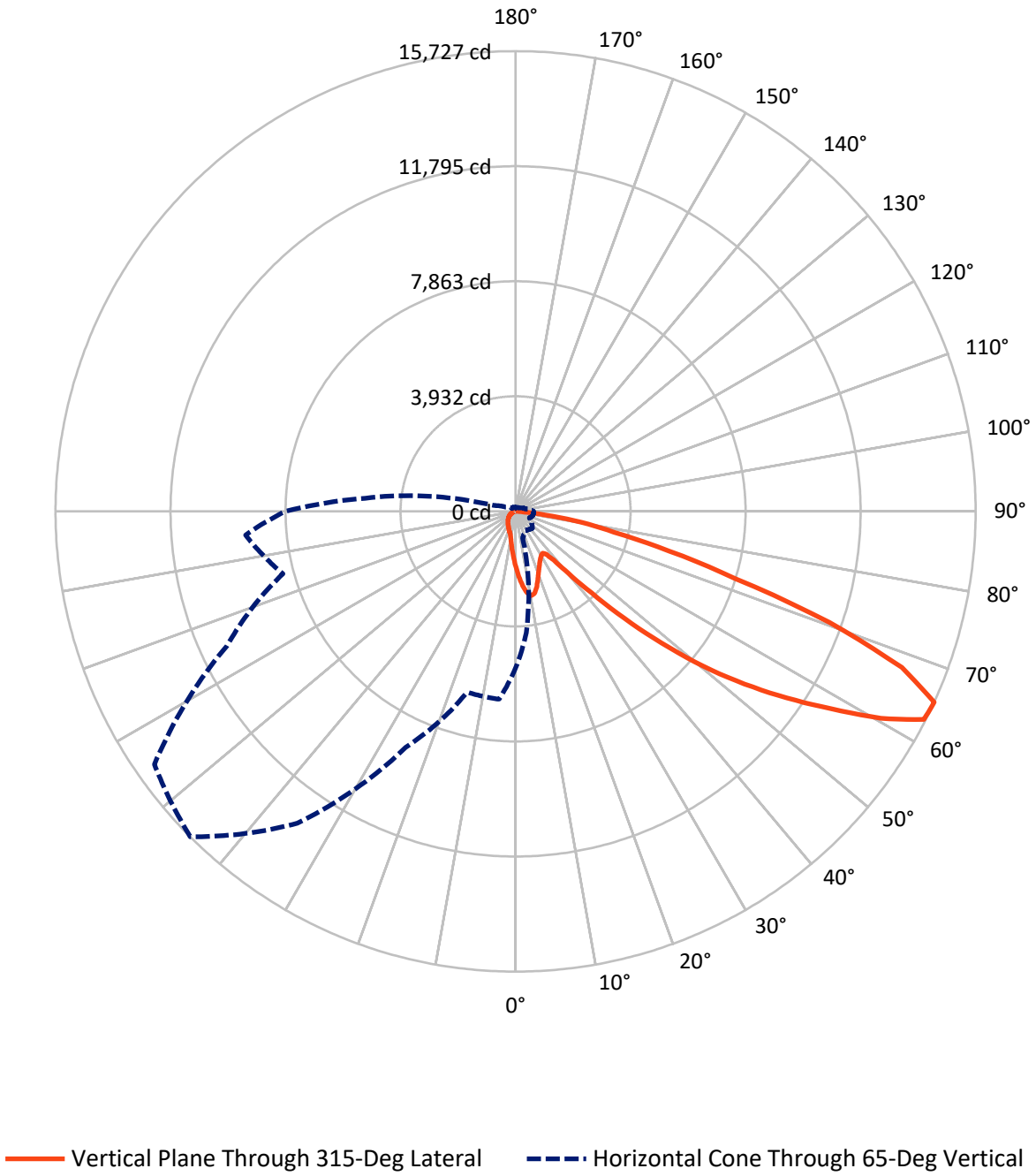
Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364560
CATALOG NUMBER: GSS-SB3B-727-U-SLR-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

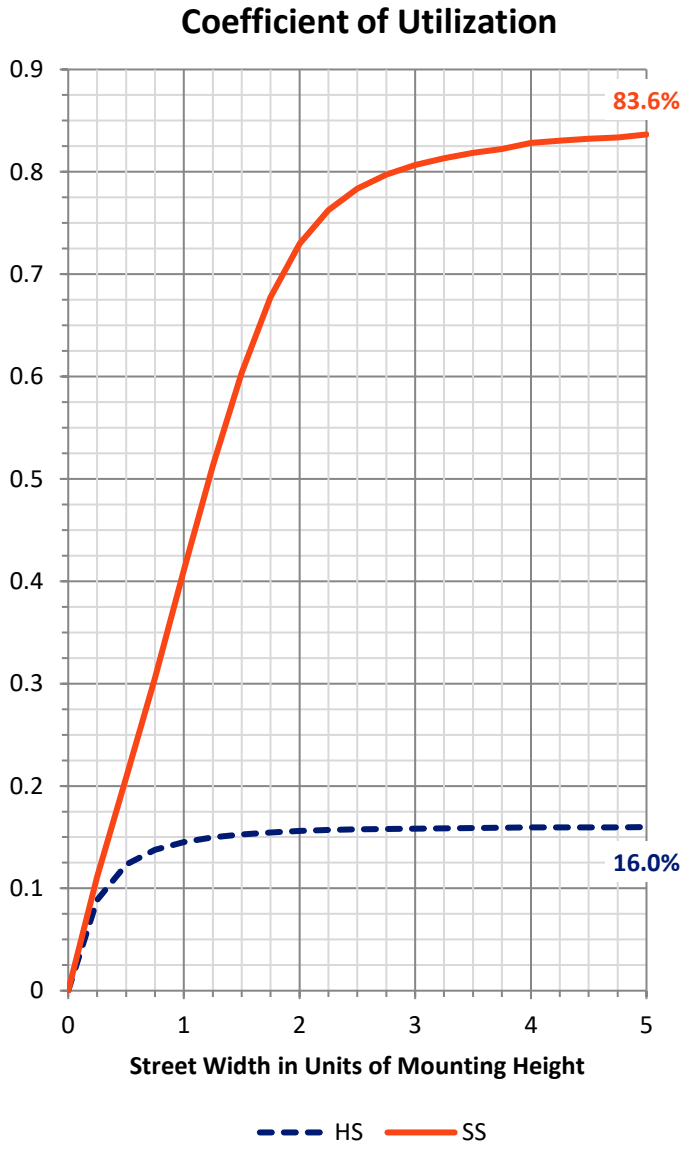
REPORT NUMBER: P1364560
CATALOG NUMBER: GSS-SB3B-727-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1789.0	0.0	1789.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	9277.7	0.0	9277.7
	% Fixture	83.8	0.0	83.8
Total	Lumens	11066.7	0.0	11066.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	1.7
10°-20°	508.5	4.6
20°-30°	728.3	6.6
30°-40°	913.5	8.3
40°-50°	1500.6	13.6
50°-60°	2708.0	24.5
60°-70°	3005.4	27.2
70°-80°	1357.9	12.3
80°-90°	160.6	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°	11066.7	100.0
0°-180°	11066.7	100.0



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

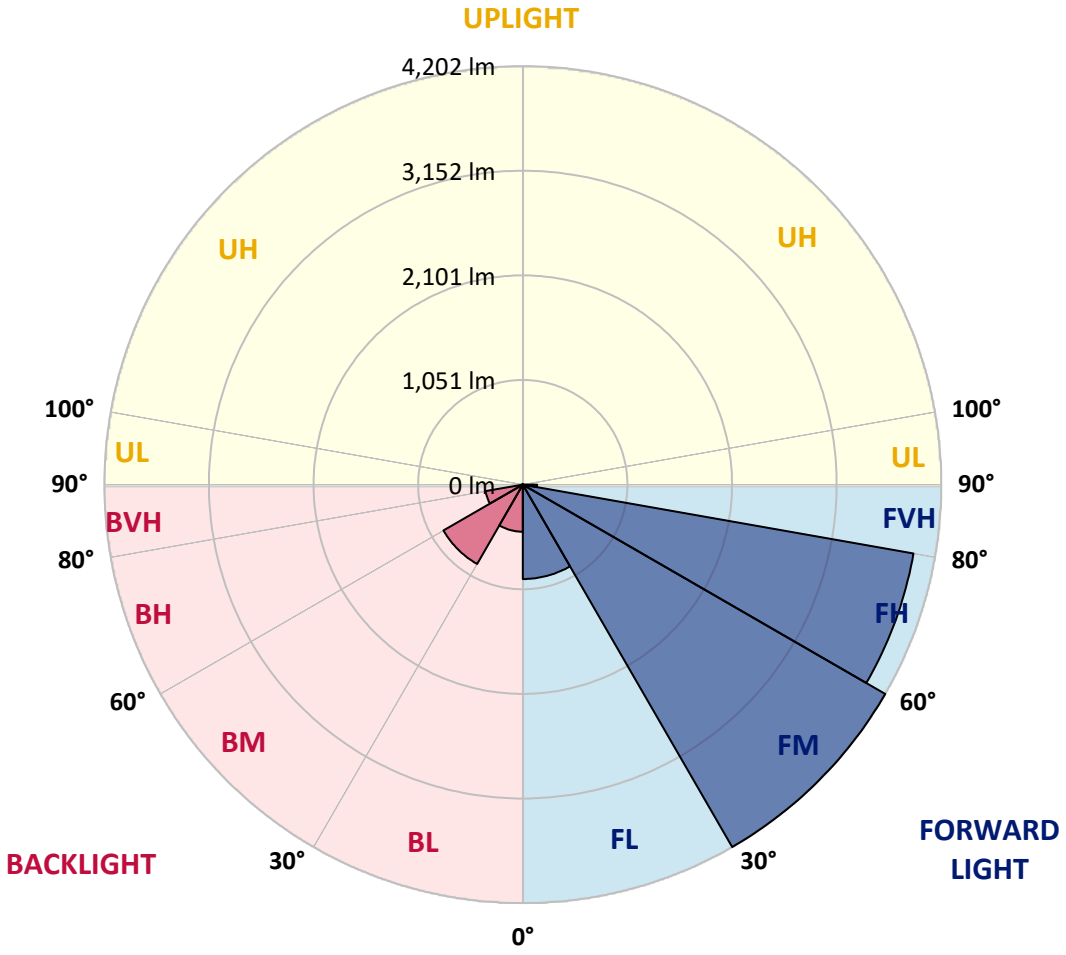
Scaled Data Report

REPORT NUMBER: P1364560
CATALOG NUMBER: GSS-SB3B-727-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	948.0	8.6			
FM	(30°-60°)	4202.3	38.0			
FH	(60°-80°)	3983.3	36.0			G2/5000
FVH	(80°-90°)	144.1	1.3			G2/225
BL	(0°-30°)	472.7	4.3	B1/500		
BM	(30°-60°)	919.9	8.3	B1/1000		
BH	(60°-80°)	379.9	3.4	B1/500		G1/500
BVH	(80°-90°)	16.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1364560
CATALOG NUMBER: GSS-SB3B-727-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2
2.5°	2157.9	2155.8	2147.7	2096.7	2045.7	2001.5	1957.4	1913.2	1852.0	1804.5	1763.7
5°	2361.8	2350.9	2307.4	2229.2	2144.3	2069.5	1984.6	1903.0	1811.2	1736.5	1658.3
7.5°	2501.1	2490.2	2446.7	2317.6	2188.4	2096.7	2004.9	1920.0	1818.0	1719.5	1607.4
10°	2565.7	2553.4	2504.5	2365.2	2215.6	2103.5	2011.7	1933.6	1848.6	1750.1	1610.8
12.5°	2609.8	2594.9	2535.1	2375.4	2222.4	2110.3	2015.1	1940.4	1879.2	1821.4	1685.5
15°	2637.0	2623.4	2569.0	2402.5	2225.8	2100.1	1988.0	1916.6	1896.2	1906.4	1841.8
17.5°	2677.8	2664.9	2613.2	2436.5	2246.2	2083.1	1930.2	1852.0	1896.2	1988.0	2008.3
20°	2732.2	2718.6	2664.2	2480.7	2263.2	2032.1	1821.4	1746.7	1858.8	2011.7	2117.1
22.5°	2793.3	2782.5	2739.0	2531.7	2280.2	1957.4	1678.7	1644.7	1780.7	1943.8	2079.7
25°	2868.1	2857.9	2817.1	2603.0	2297.2	1855.4	1556.4	1563.2	1678.7	1807.8	1947.2
27.5°	2970.0	2960.5	2922.5	2691.4	2317.6	1750.1	1457.8	1491.8	1576.8	1665.1	1750.1
30°	3082.2	3074.7	3044.8	2796.7	2358.4	1651.5	1400.1	1420.5	1478.2	1549.6	1600.6
32.5°	3235.1	3222.9	3173.9	2895.3	2355.0	1576.8	1372.9	1352.5	1369.5	1427.2	1478.2
35°	3425.4	3415.9	3377.8	2997.2	2293.8	1508.8	1359.3	1287.9	1277.7	1311.7	1362.7
37.5°	3704.1	3695.9	3663.3	3163.7	2198.6	1423.9	1325.3	1220.0	1186.0	1209.8	1243.7
40°	4122.0	4101.0	4016.7	3354.0	2093.3	1338.9	1264.1	1138.4	1090.8	1107.8	1145.2
42.5°	4689.5	4649.4	4489.0	3608.9	1950.6	1257.3	1172.4	1056.8	1005.9	1016.1	1050.0
45°	5416.8	5356.3	5114.3	3958.9	1801.1	1192.8	1077.2	971.9	917.5	927.7	965.1
47.5°	6266.3	6183.4	5851.7	4325.9	1641.3	1155.4	1002.5	886.9	846.2	869.9	907.3
50°	7268.8	7185.2	6850.8	4560.4	1512.2	1131.6	944.7	808.8	791.8	822.4	853.0
52.5°	8363.0	8244.1	7768.3	4410.9	1406.9	1111.2	924.3	754.4	761.2	785.0	815.6
55°	9426.6	9162.3	8104.7	3914.7	1270.9	1087.4	937.9	713.6	730.6	761.2	785.0
57.5°	10119.9	9660.4	7822.7	3153.5	1128.2	1060.2	948.1	693.2	706.8	740.8	768.0
60°	9515.0	9052.8	7204.2	2361.8	1005.9	1002.5	931.1	686.4	666.0	713.6	737.4
62.5°	7795.5	7414.9	5892.5	1508.8	890.3	893.7	893.7	683.0	598.1	659.3	679.6
65°	*5355.6*	*5117.7*	*4166.2*	*934.5*	*727.2*	*761.2*	*812.2*	*662.7*	*526.7*	*598.1*	*618.5*
67.5°	3520.5	3345.9	2647.2	577.7	560.7	625.3	703.4	621.9	472.4	536.9	550.5
70°	1909.8	1777.3	1247.1	380.6	367.0	489.3	553.9	526.7	424.8	479.1	492.7
72.5°	1260.7	1152.0	717.0	268.5	268.5	384.0	387.4	431.6	380.6	424.8	438.4
75°	948.1	850.9	462.2	186.9	207.3	244.7	302.4	309.2	319.4	360.2	377.2
77.5°	435.0	382.0	169.9	112.1	152.9	169.9	231.1	197.1	237.9	268.5	275.3
80°	251.5	220.2	95.1	74.8	98.5	108.7	190.3	115.5	142.7	190.3	200.5
82.5°	105.3	93.8	47.6	51.0	61.2	64.6	105.3	81.6	91.8	125.7	122.3
85°	30.6	30.6	30.6	34.0	37.4	37.4	61.2	57.8	54.4	57.8	57.8
87.5°	20.4	20.4	20.4	20.4	23.8	23.8	27.2	30.6	34.0	34.0	34.0
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: P1364560
CATALOG NUMBER: GSS-SB3B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2
2.5°	1746.7	1722.9	1692.3	1648.1	1641.3	1617.5	1600.6	1617.5	1634.5	1665.1	1668.5
5°	1617.5	1580.2	1508.8	1454.4	1393.3	1362.7	1359.3	1352.5	1372.9	1417.1	1444.2
7.5°	1546.2	1485.0	1355.9	1260.7	1175.8	1145.2	1121.4	1141.8	1138.4	1196.2	1220.0
10°	1529.2	1434.0	1253.9	1111.2	1005.9	965.1	941.3	937.9	944.7	978.7	1002.5
12.5°	1590.4	1468.0	1213.2	1002.5	880.1	836.0	808.8	785.0	785.0	791.8	822.4
15°	1726.3	1580.2	1236.9	951.5	819.0	761.2	717.0	686.4	662.7	666.0	669.4
17.5°	1916.6	1743.3	1298.1	934.5	781.6	720.4	666.0	635.5	608.3	601.5	601.5
20°	2066.1	1899.6	1345.7	920.9	751.0	672.8	625.3	598.1	574.3	564.1	564.1
22.5°	2083.1	1964.2	1386.5	903.9	713.6	625.3	581.1	557.3	540.3	536.9	536.9
25°	1971.0	1913.2	1372.9	883.5	676.2	581.1	547.1	526.7	509.7	506.3	509.7
27.5°	1784.1	1753.5	1325.3	856.3	645.7	547.1	516.5	499.5	482.5	479.1	482.5
30°	1617.5	1583.6	1243.7	812.2	621.9	519.9	485.9	469.0	452.0	452.0	455.4
32.5°	1481.6	1447.6	1162.2	761.2	591.3	489.3	458.8	441.8	424.8	424.8	431.6
35°	1359.3	1332.1	1097.6	710.2	560.7	462.2	428.2	414.6	401.0	397.6	404.4
37.5°	1253.9	1240.3	1039.9	655.9	530.1	435.0	404.4	390.8	373.8	370.4	377.2
40°	1152.0	1145.2	975.3	608.3	492.7	407.8	377.2	363.6	343.2	343.2	350.0
42.5°	1056.8	1053.4	917.5	577.7	458.8	380.6	346.6	333.0	316.0	316.0	322.8
45°	982.1	978.7	863.1	560.7	424.8	350.0	319.4	302.4	288.8	292.2	299.0
47.5°	914.1	907.3	805.4	564.1	407.8	329.6	288.8	271.9	261.7	268.5	278.7
50°	859.7	853.0	764.6	567.5	380.6	302.4	265.1	248.1	241.3	251.5	261.7
52.5°	825.8	819.0	723.8	547.1	346.6	282.1	241.3	231.1	231.1	241.3	248.1
55°	791.8	785.0	655.9	502.9	309.2	261.7	224.3	217.5	217.5	227.7	234.5
57.5°	771.4	757.8	584.5	452.0	278.7	237.9	207.3	207.3	207.3	210.7	214.1
60°	740.8	706.8	509.7	387.4	254.9	214.1	193.7	190.3	190.3	186.9	190.3
62.5°	676.2	618.5	428.2	329.6	227.7	193.7	176.7	173.3	163.1	152.9	156.3
65°	*611.7*	*523.3*	*339.8*	*275.3*	*197.1*	*166.5*	*156.3*	*152.9*	*135.9*	*122.3*	*125.7*
67.5°	530.1	418.0	254.9	231.1	169.9	142.7	132.5	132.5	122.3	112.1	112.1
70°	472.4	326.2	214.1	173.3	135.9	112.1	112.1	118.9	108.7	95.1	95.1
72.5°	418.0	265.1	173.3	139.3	105.3	88.4	95.1	98.5	88.4	78.2	78.2
75°	356.8	207.3	135.9	108.7	78.2	68.0	71.4	78.2	71.4	61.2	64.6
77.5°	258.3	142.7	91.8	71.4	57.8	51.0	54.4	54.4	51.0	47.6	47.6
80°	180.1	95.1	61.2	47.6	40.8	37.4	37.4	34.0	34.0	37.4	37.4
82.5°	108.7	68.0	44.2	37.4	30.6	23.8	23.8	27.2	27.2	30.6	30.6
85°	47.6	40.8	30.6	27.2	20.4	17.0	20.4	20.4	23.8	27.2	27.2
87.5°	30.6	30.6	23.8	20.4	17.0	13.6	13.6	17.0	17.0	20.4	23.8
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: P1364560
CATALOG NUMBER: GSS-SB3B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2
2.5°	1682.1	1716.1	1756.9	1814.6	1865.6	1926.8	1988.0	2045.7	2100.1	2106.9	2130.7
5°	1464.6	1529.2	1610.8	1705.9	1821.4	1943.8	2062.7	2188.4	2290.4	2327.8	2382.1
7.5°	1240.3	1321.9	1440.8	1587.0	1750.1	1933.6	2117.1	2293.8	2446.7	2518.1	2589.4
10°	1026.3	1104.4	1250.5	1427.2	1637.9	1886.0	2130.7	2368.6	2555.5	2637.0	2705.0
12.5°	832.6	910.7	1029.7	1233.6	1488.4	1787.5	2110.3	2395.7	2603.0	2688.0	2752.6
15°	679.6	744.2	856.3	1046.6	1315.1	1651.5	2038.9	2375.4	2613.2	2694.8	2742.4
17.5°	598.1	615.1	686.4	859.7	1152.0	1529.2	1947.2	2348.2	2620.0	2694.8	2722.0
20°	564.1	564.1	577.7	669.4	954.9	1400.1	1879.2	2331.2	2630.2	2705.0	2701.6
22.5°	533.5	540.3	540.3	560.7	727.2	1220.0	1807.8	2324.4	2660.8	2718.6	2671.0
25°	506.3	516.5	516.5	523.3	570.9	1005.9	1719.5	2338.0	2715.2	2745.8	2650.6
27.5°	482.5	492.7	492.7	499.5	509.7	747.6	1573.4	2341.4	2776.3	2779.7	2623.4
30°	458.8	469.0	475.7	475.7	482.5	550.5	1389.9	2321.0	2844.3	2823.9	2620.0
32.5°	431.6	445.2	448.6	455.4	458.8	479.1	1152.0	2287.0	2929.3	2885.1	2623.4
35°	407.8	424.8	428.2	428.2	435.0	455.4	920.9	2249.6	3044.8	2966.6	2637.0
37.5°	384.0	397.6	401.0	404.4	411.2	431.6	730.6	2195.2	3143.3	3068.6	2705.0
40°	356.8	373.8	377.2	380.6	387.4	407.8	628.7	2127.3	3292.9	3238.5	2806.9
42.5°	329.6	346.6	353.4	356.8	360.2	387.4	574.3	2079.7	3534.1	3476.4	3014.2
45°	305.8	322.8	329.6	329.6	336.4	373.8	526.7	2185.1	3867.2	3840.0	3292.9
47.5°	285.4	302.4	305.8	305.8	309.2	353.4	485.9	2467.1	4376.9	4305.5	3727.8
50°	268.5	282.1	288.8	282.1	285.4	336.4	509.7	2932.7	5029.4	5053.1	4366.7
52.5°	254.9	268.5	271.9	258.3	258.3	312.6	540.3	3313.3	5861.9	6079.4	5379.4
55°	237.9	251.5	254.9	237.9	237.9	275.3	469.0	3337.0	6810.0	7510.1	6697.9
57.5°	220.9	234.5	234.5	220.9	217.5	237.9	380.6	2959.8	7544.0	9131.0	8502.3
60°	200.5	214.1	210.7	203.9	197.1	217.5	350.0	2256.4	7445.5	10187.8	10571.8
62.5°	163.1	183.5	190.3	186.9	173.3	197.1	326.2	1471.4	6443.0	9270.3	10507.3
65°	*135.9*	*152.9*	*163.1*	*163.1*	*152.9*	*217.5*	*285.4*	*774.8*	*5158.5*	*7866.9*	*9263.5*
67.5°	118.9	135.9	142.7	139.3	132.5	193.7	180.1	373.8	3955.5	6779.4	8291.6
70°	105.3	118.9	125.7	115.5	108.7	156.3	129.1	220.9	2647.2	5658.0	7384.3
72.5°	85.0	98.5	105.3	95.1	85.0	115.5	98.5	146.1	1722.9	4822.1	6561.9
75°	68.0	81.6	85.0	78.2	68.0	85.0	78.2	101.9	1124.8	3989.5	5579.9
77.5°	51.0	57.8	64.6	61.2	51.0	61.2	54.4	71.4	642.3	2800.1	3914.7
80°	40.8	44.2	44.2	44.2	40.8	37.4	37.4	47.6	288.8	1379.7	2042.3
82.5°	34.0	37.4	37.4	34.0	30.6	27.2	23.8	27.2	85.0	618.5	941.3
85°	30.6	34.0	27.2	23.8	20.4	17.0	10.2	10.2	23.8	98.5	183.5
87.5°	23.8	20.4	17.0	13.6	6.8	3.4	3.4	0.0	3.4	3.4	3.4
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: P1364560
CATALOG NUMBER: GSS-SB3B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1913.2	1913.2	1913.2	*1913.2*	1913.2	1913.2	1913.2	1913.2	1913.2	1913.2
2.5°	2168.1	2202.0	2225.8	*2246.2*	2239.4	2222.4	2188.4	2164.7	2159.2	2157.9
5°	2453.5	2507.9	2555.5	*2548.7*	2555.5	2504.5	2453.5	2392.3	2367.9	2361.8
7.5°	2691.4	2759.3	2817.1	*2810.3*	2789.9	2732.2	2647.2	2555.5	2512.0	2501.1
10°	2820.5	2898.7	2946.3	*2929.3*	2895.3	2820.5	2735.6	2626.8	2577.9	2565.7
12.5°	2844.3	2895.3	2885.1	*2878.3*	2871.5	2834.1	2769.5	2671.0	2622.1	2609.8
15°	2783.1	2762.7	2705.0	*2691.4*	2742.4	2789.9	2776.3	2694.8	2648.6	2637.0
17.5°	2681.2	2575.8	2470.5	*2456.9*	2541.9	2674.4	2779.7	2732.2	2688.7	2677.8
20°	2569.0	2372.0	2256.4	*2232.6*	2338.0	2535.1	2742.4	2769.5	2739.6	2732.2
22.5°	2436.5	2205.4	2083.1	*2069.5*	2147.7	2378.7	2688.0	2810.3	2796.7	2793.3
25°	2321.0	2059.3	1943.8	*1923.4*	2025.3	2249.6	2633.6	2878.3	2870.1	2868.1
27.5°	2225.8	1954.0	1831.6	*1818.0*	1916.6	2140.9	2565.7	2936.1	2963.2	2970.0
30°	2151.1	1875.8	1753.5	*1736.5*	1845.2	2066.1	2518.1	3017.6	3069.3	3082.2
32.5°	2093.3	1831.6	1716.1	*1705.9*	1821.4	2035.5	2490.9	3102.6	3208.6	3235.1
35°	2072.9	1845.2	1767.1	*1790.9*	1879.2	2066.1	2511.3	3241.9	3388.7	3425.4
37.5°	2117.1	1994.8	2049.1	*2110.3*	2144.3	2212.2	2606.4	3466.2	3656.5	3704.1
40°	2259.8	2395.7	2650.6	*2769.5*	2756.0	2599.6	2823.9	3782.2	4054.1	4122.0
42.5°	2623.4	3065.2	3605.5	*3806.0*	3690.5	3218.1	3170.5	4302.1	4612.1	4689.5
45°	3163.7	3874.0	4760.9	*5212.9*	4815.3	4003.1	3717.6	5042.9	5342.0	5416.8
47.5°	3704.1	4777.9	6188.1	*6725.1*	5943.5	4781.3	4434.7	5929.9	6199.0	6266.3
50°	4254.6	5777.0	7612.0	*8329.0*	7068.3	5573.1	5195.9	7024.1	7219.8	7268.8
52.5°	4822.1	6670.7	9182.0	*9800.4*	8244.1	6184.7	6065.8	8216.9	8333.8	8363.0
55°	5454.1	7516.8	10755.3	*11254.9*	9314.5	6718.3	7085.3	9464.0	9434.1	9426.6
57.5°	6296.9	8407.2	12022.9	*12719.5*	10286.4	7438.7	8448.0	10850.5	10266.0	10119.9
60°	7768.3	9790.3	13599.6	*14357.5*	11587.9	8492.1	9450.4	10819.9	9776.0	9515.0
62.5°	9474.2	11122.4	15026.9	*15665.8*	12957.4	9538.8	8651.9	9086.8	8053.8	7795.5
65°	*8230.5*	*10887.9*	*15071.1*	*15726.9*	*13008.4*	*8899.9*	*6395.4*	*6443.0*	*5573.1*	*5355.6*
67.5°	7003.7	9650.9	13725.4	*14241.9*	11604.9	7357.1	4241.0	4203.6	3657.2	3520.5
70°	6235.7	8454.8	11829.2	*11384.0*	9756.3	6218.7	2817.1	2334.6	1994.8	1909.8
72.5°	5603.7	6708.1	9586.4	*7846.5*	8094.5	5059.9	1790.9	1590.4	1326.7	1260.7
75°	5073.5	5549.3	5980.9	*5423.5*	5749.8	4169.6	1519.0	1226.8	1003.8	948.1
77.5°	4037.1	4319.1	3540.9	*3439.0*	4026.9	2966.6	754.4	516.5	451.3	435.0
80°	2402.5	2042.3	2008.3	*2290.4*	2681.2	1539.4	462.2	285.4	258.3	251.5
82.5°	1454.4	737.4	802.0	*1012.7*	1427.2	700.0	275.3	122.3	108.7	105.3
85°	244.7	200.5	309.2	*295.6*	278.7	149.5	74.8	34.0	31.3	30.6
87.5°	6.8	10.2	13.6	*17.0*	17.0	17.0	17.0	17.0	19.7	20.4
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

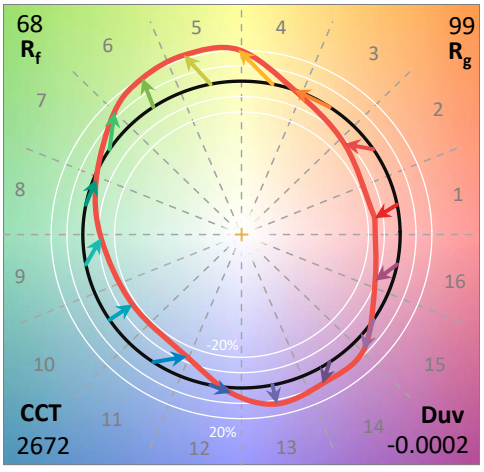
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

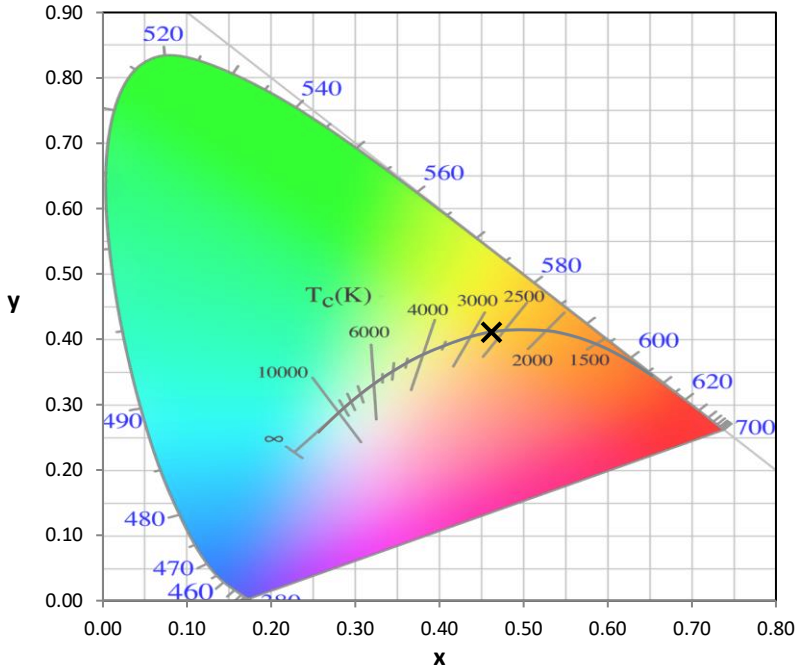
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

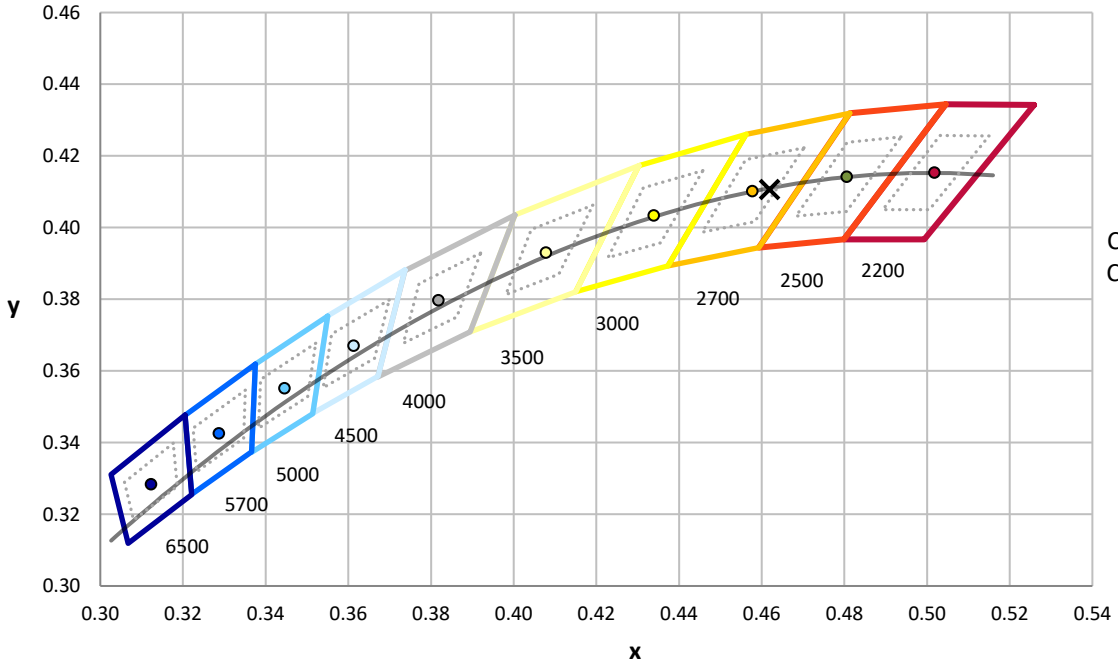
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

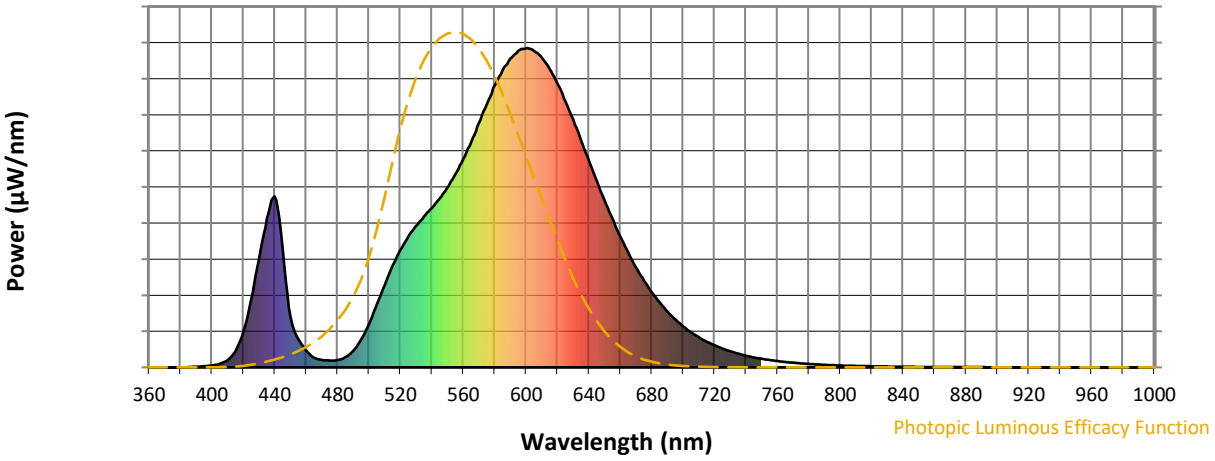


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

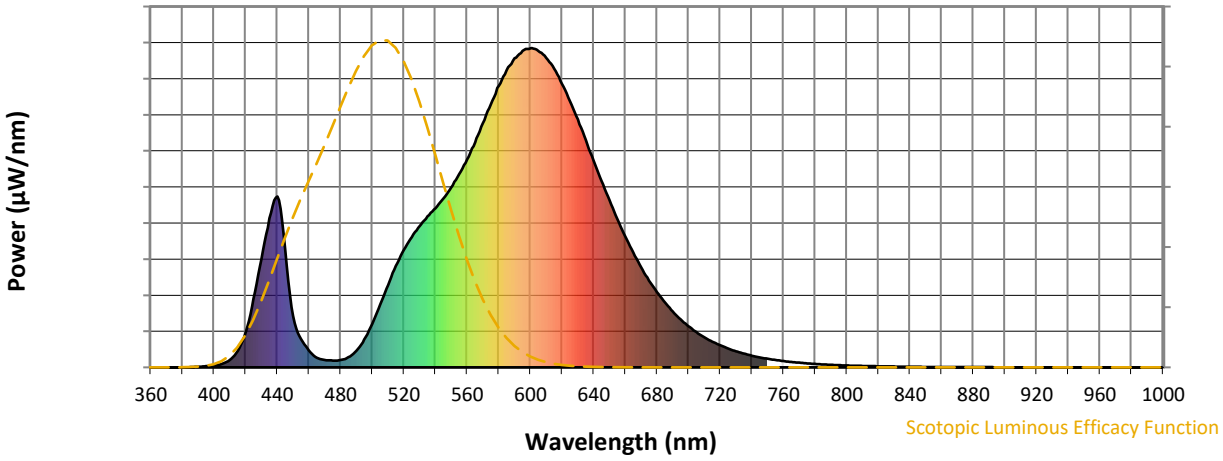


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

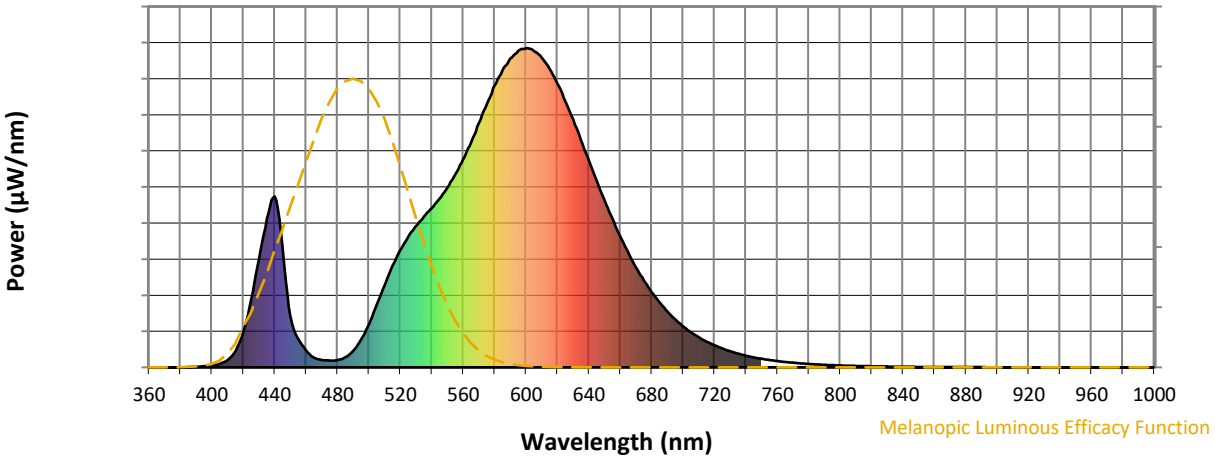


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

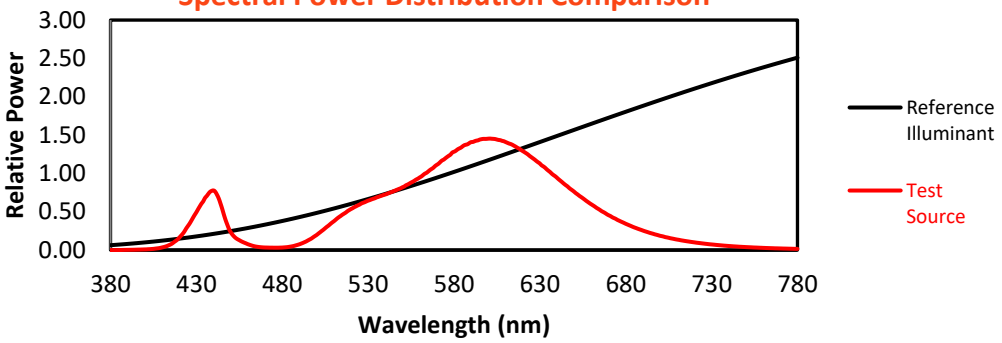
REPORT NUMBER: SP1-2407-184-3

TM-30-18

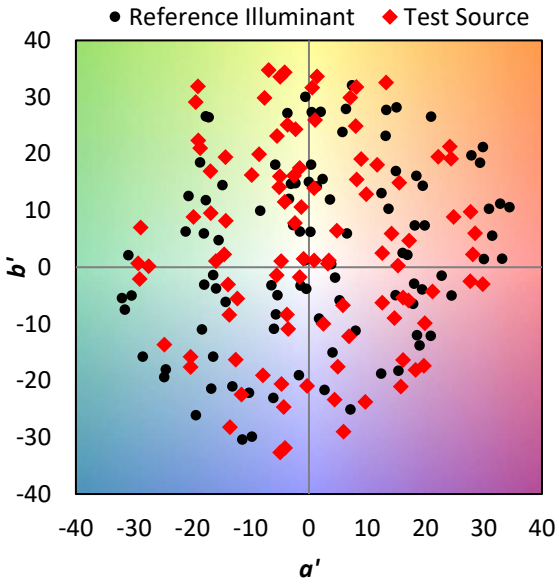
Summary

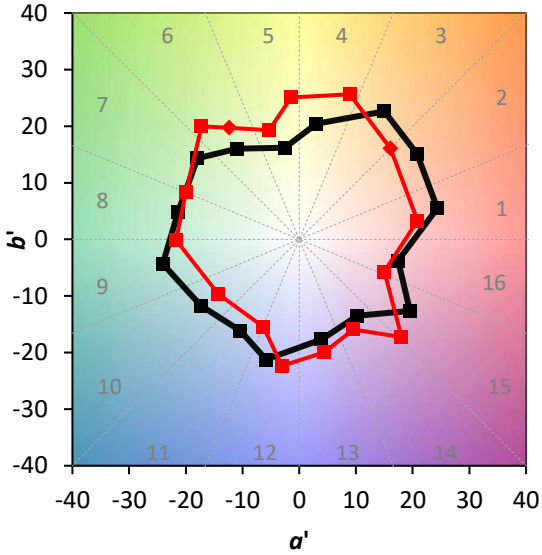
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

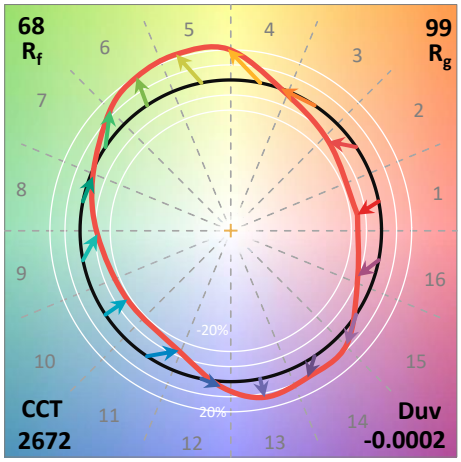
Spectral Power Distribution Comparison

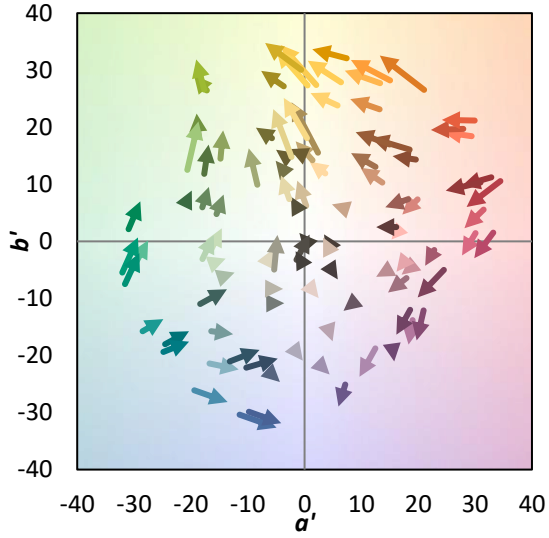


Color Vector Graphics







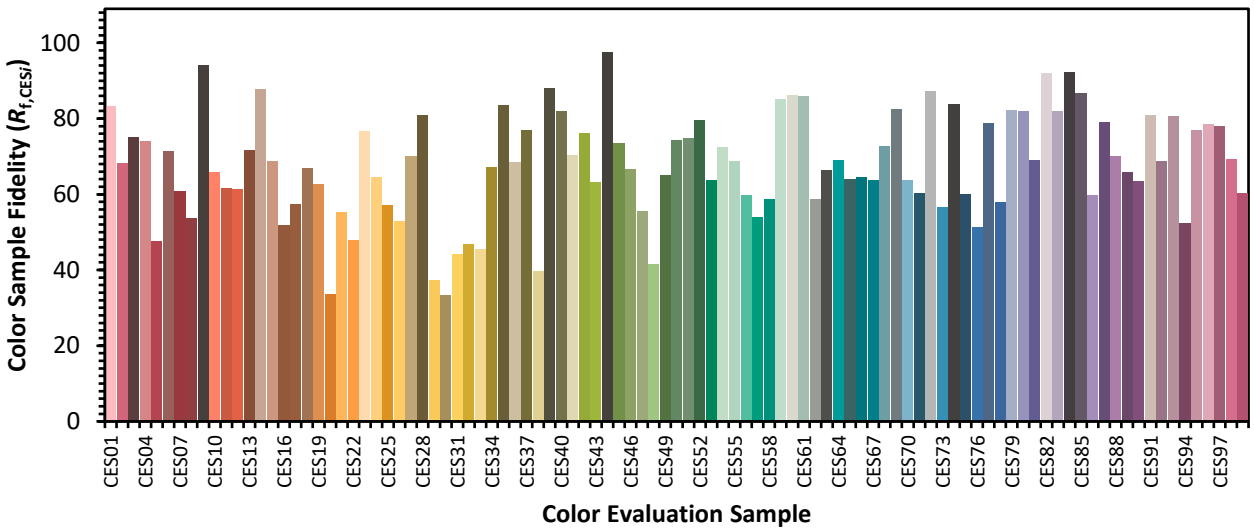


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

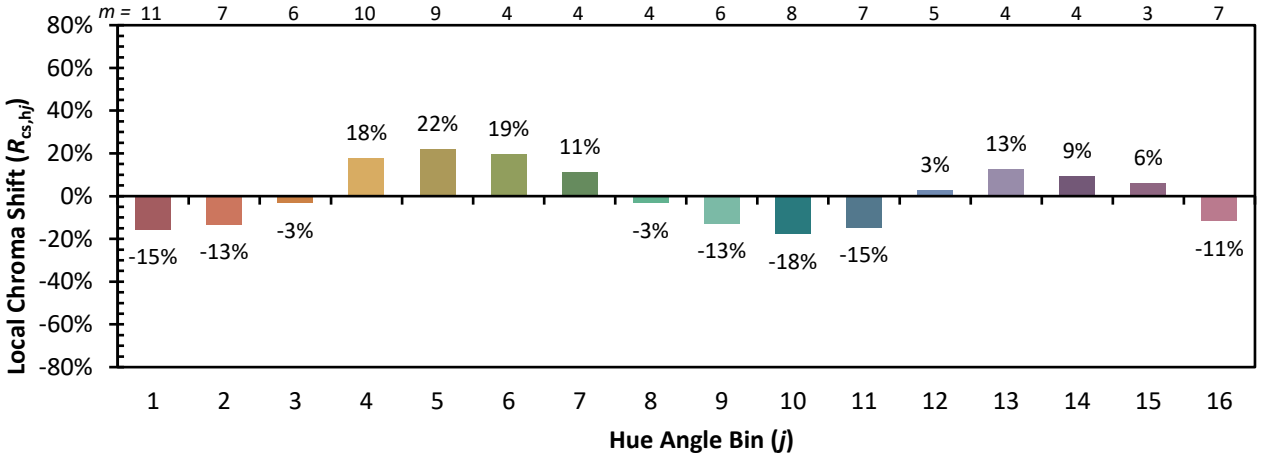
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

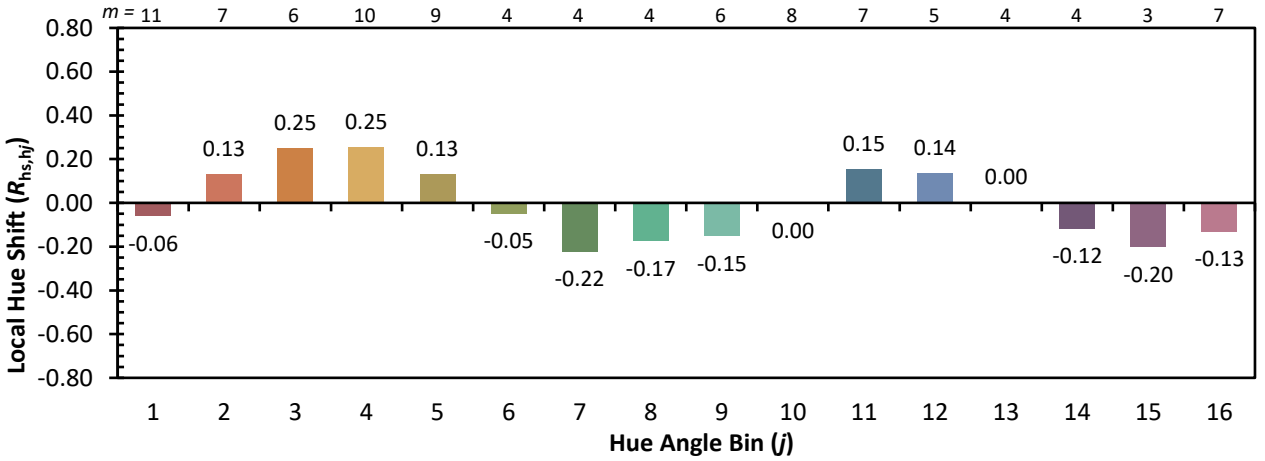


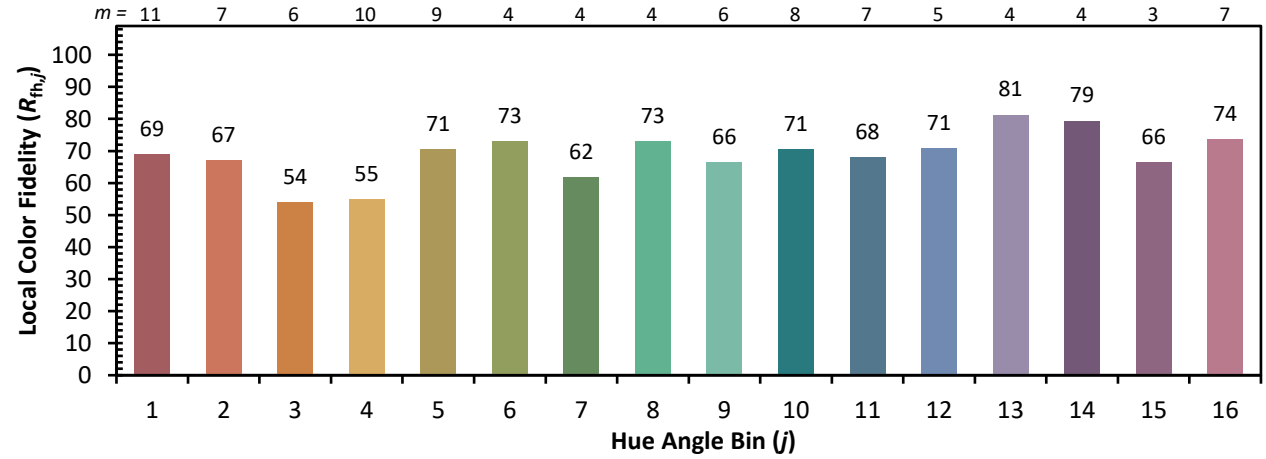
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



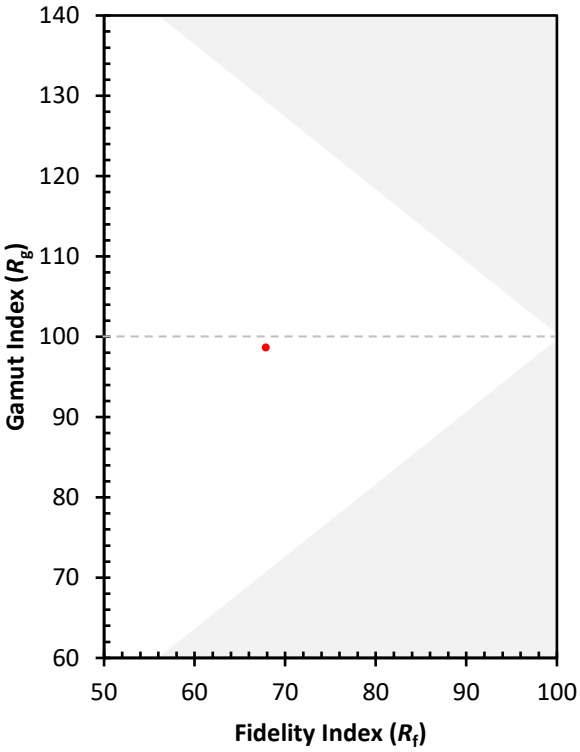


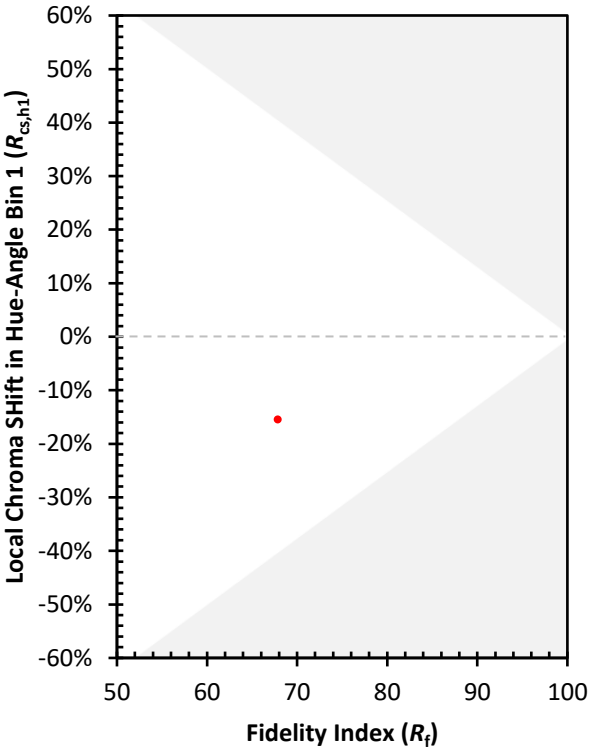


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)