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: P1364547

Luminaire Tested: **GSS-SB6A-722-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364547
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16311.7 lumens
Efficiency:	N/A
Efficacy:	96.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

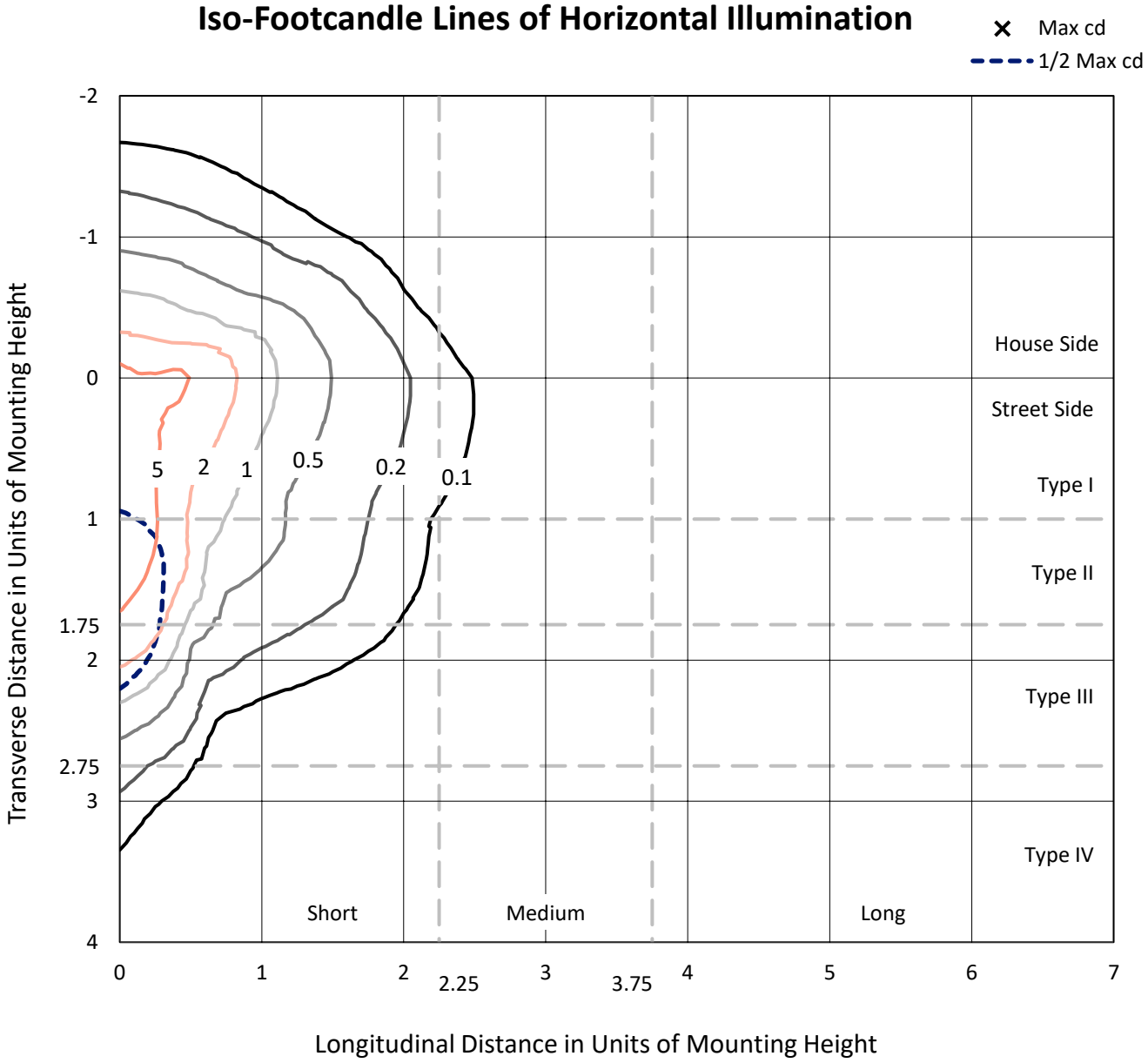
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



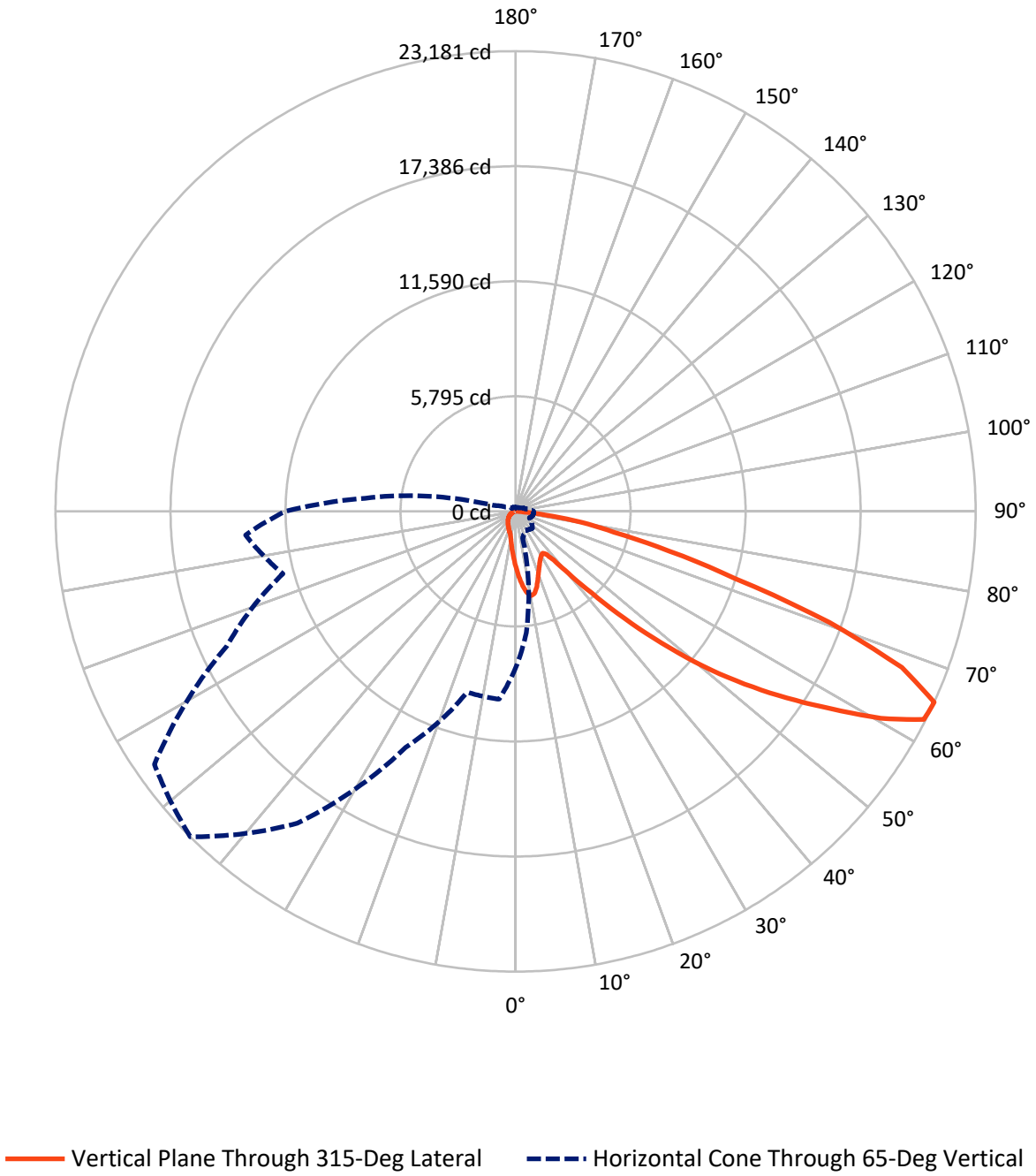
Based on 20 foot mounting height. Maximum calculated value = 8.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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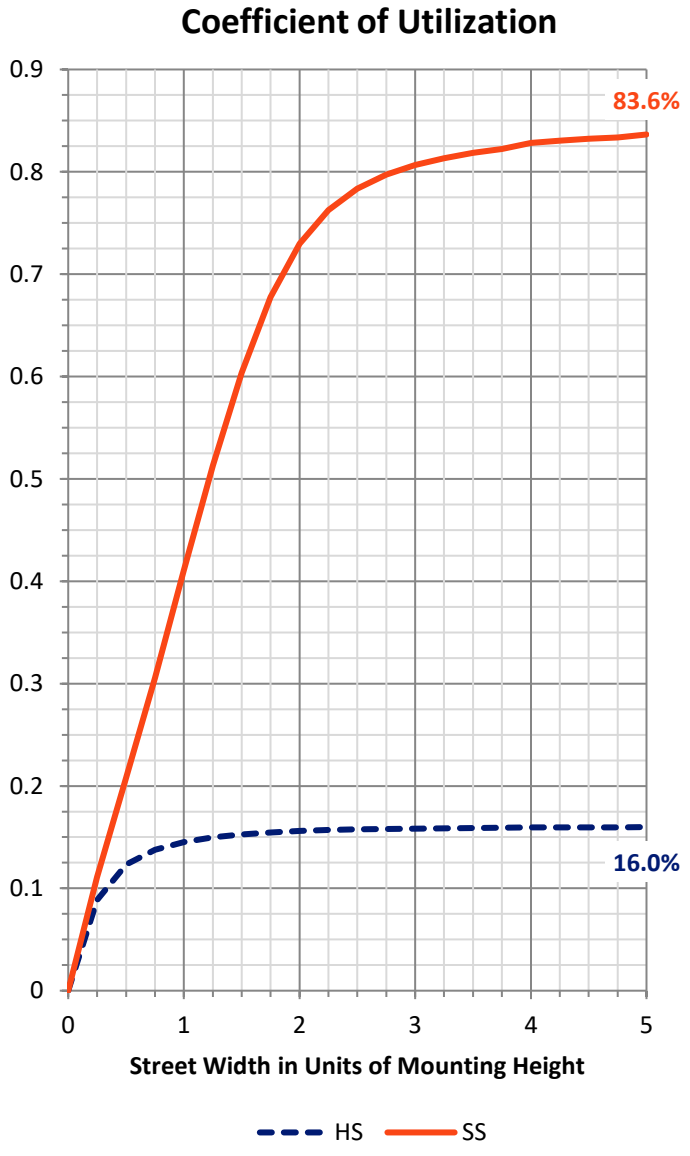
REPORT NUMBER: P1364547
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2636.9	0.0	2636.9
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	13674.9	0.0	13674.9
	% Fixture	83.8	0.0	83.8
Total	Lumens	16311.7	0.0	16311.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.0	1.7
10°-20°	749.5	4.6
20°-30°	1073.5	6.6
30°-40°	1346.5	8.3
40°-50°	2211.9	13.6
50°-60°	3991.5	24.5
60°-70°	4429.8	27.2
70°-80°	2001.4	12.3
80°-90°	236.6	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°	16311.7	100.0
0°-180°	16311.7	100.0



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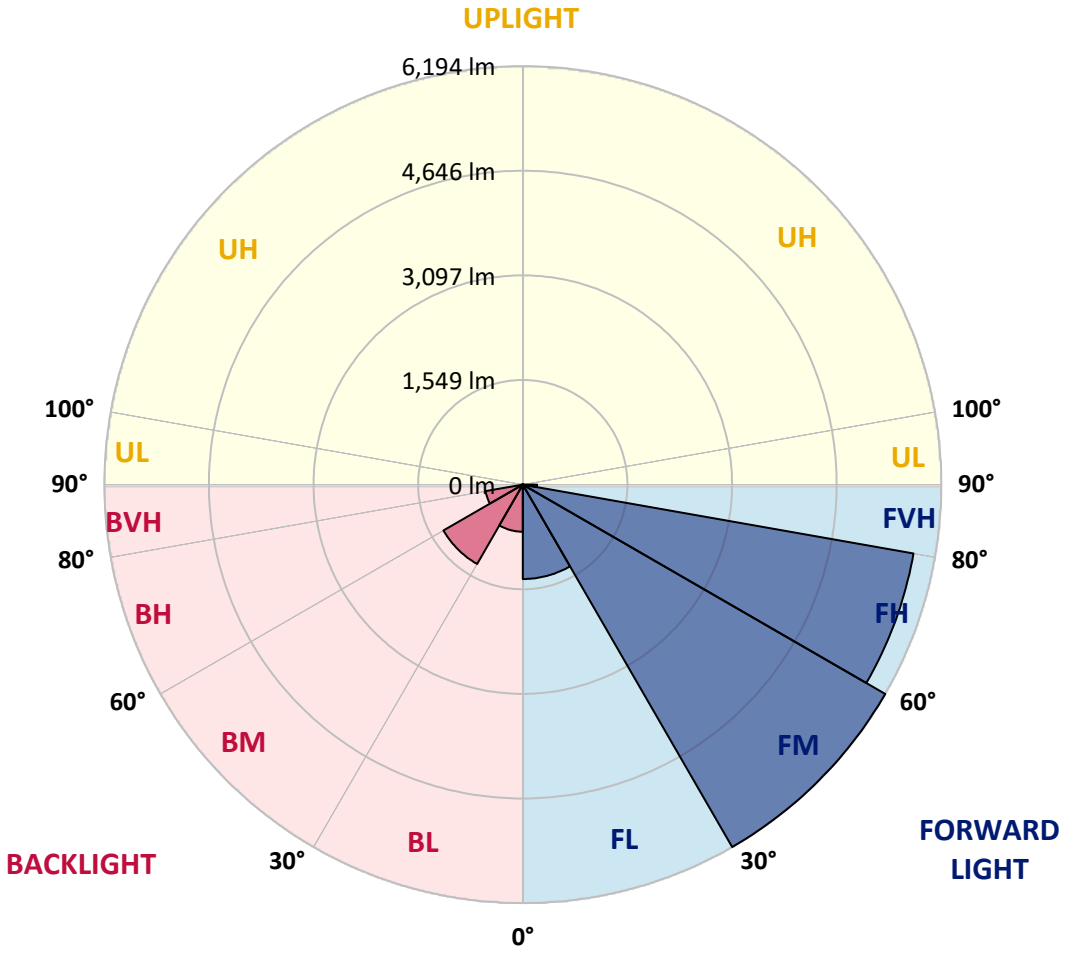
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1397.2	8.6			
FM	(30°-60°)	6194.0	38.0			
FH	(60°-80°)	5871.2	36.0			G3/7500
FVH	(80°-90°)	212.4	1.3			G2/225
BL	(0°-30°)	696.8	4.3	B2/1000		
BM	(30°-60°)	1355.9	8.3	B2/2500		
BH	(60°-80°)	560.0	3.4	B2/1000		G2/1000
BVH	(80°-90°)	24.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0
2.5°	3180.6	3177.6	3165.6	3090.4	3015.3	2950.2	2885.1	2820.0	2729.8	2659.7	2599.6
5°	3481.1	3465.1	3401.0	3285.8	3160.6	3050.4	2925.1	2804.9	2669.7	2559.5	2444.3
7.5°	3686.5	3670.5	3606.3	3416.0	3225.7	3090.4	2955.2	2830.0	2679.7	2534.5	2369.2
10°	3781.6	3763.6	3691.5	3486.1	3265.7	3100.5	2965.2	2850.0	2724.8	2579.5	2374.2
12.5°	3846.8	3824.7	3736.6	3501.2	3275.8	3110.5	2970.2	2860.0	2769.9	2684.7	2484.4
15°	3886.8	3866.8	3786.7	3541.2	3280.8	3095.4	2930.2	2825.0	2794.9	2809.9	2714.8
17.5°	3946.9	3927.9	3851.8	3591.3	3310.8	3070.4	2845.0	2729.8	2794.9	2930.2	2960.2
20°	4027.1	4007.0	3926.9	3656.4	3335.9	2995.3	2684.7	2574.5	2739.8	2965.2	3120.5
22.5°	4117.2	4101.2	4037.1	3731.6	3360.9	2885.1	2474.4	2424.3	2624.6	2865.0	3065.4
25°	4227.4	4212.4	4152.3	3836.7	3386.0	2734.8	2294.0	2304.1	2474.4	2664.7	2870.0
27.5°	4377.7	4363.7	4307.6	3967.0	3416.0	2579.5	2148.8	2198.9	2324.1	2454.3	2579.5
30°	4543.0	4532.0	4487.9	4122.2	3476.1	2434.3	2063.6	2093.7	2178.8	2284.0	2359.1
32.5°	4768.4	4750.4	4678.2	4267.5	3471.1	2324.1	2023.6	1993.5	2018.5	2103.7	2178.8
35°	5048.9	5034.9	4978.8	4417.8	3380.9	2223.9	2003.5	1898.3	1883.3	1933.4	2008.5
37.5°	5459.6	5447.6	5399.5	4663.2	3240.7	2098.7	1953.4	1798.2	1748.1	1783.1	1833.2
40°	6075.7	6044.6	5920.4	4943.7	3085.4	1973.5	1863.3	1678.0	1607.8	1632.9	1688.0
42.5°	6912.2	6853.1	6616.6	5319.4	2875.1	1853.3	1728.0	1557.7	1482.6	1497.6	1547.7
45°	7984.0	7894.9	7538.3	5835.3	2654.7	1758.1	1587.8	1432.5	1352.4	1367.4	1422.5
47.5°	9236.2	9114.0	8625.2	6376.2	2419.3	1703.0	1477.6	1307.3	1247.2	1282.3	1337.4
50°	10713.8	10590.6	10097.8	6721.8	2228.9	1667.9	1392.4	1192.1	1167.1	1212.1	1257.2
52.5°	12326.7	12151.4	11450.1	6501.4	2073.6	1637.9	1362.4	1112.0	1122.0	1157.0	1202.1
55°	13894.4	13504.7	11946.0	5770.1	1873.3	1602.8	1382.4	1051.8	1076.9	1122.0	1157.0
57.5°	14916.2	14239.0	11530.3	4648.2	1662.9	1562.7	1397.5	1021.8	1041.8	1091.9	1132.0
60°	14024.7	13343.5	10618.7	3481.1	1482.6	1477.6	1372.4	1011.8	981.7	1051.8	1086.9
62.5°	11490.2	10929.2	8685.3	2223.9	1312.3	1317.3	1317.3	1006.8	881.6	971.7	1001.8
65°	*7893.9*	*7543.3*	*6140.8*	*1377.4*	*1071.9*	*1122.0*	*1197.1*	*976.7*	*776.4*	*881.6*	*911.6*
67.5°	5189.1	4931.7	3901.9	851.5	826.5	921.6	1036.8	916.6	696.2	791.4	811.4
70°	2815.0	2619.6	1838.2	561.0	541.0	721.3	816.4	776.4	626.1	706.2	726.3
72.5°	1858.3	1698.0	1056.9	395.7	395.7	566.0	571.0	636.1	561.0	626.1	646.1
75°	1397.5	1254.2	681.2	275.5	305.5	360.6	445.8	455.8	470.8	530.9	556.0
77.5°	641.1	563.0	250.4	165.3	225.4	250.4	340.6	290.5	350.6	395.7	405.7
80°	370.7	324.6	140.2	110.2	145.3	160.3	280.5	170.3	210.4	280.5	295.5
82.5°	155.3	138.2	70.1	75.1	90.2	95.2	155.3	120.2	135.2	185.3	180.3
85°	45.1	45.1	45.1	50.1	55.1	55.1	90.2	85.1	80.1	85.1	85.1
87.5°	30.1	30.1	30.1	30.1	35.1	35.1	40.1	45.1	50.1	50.1	50.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0
2.5°	2574.5	2539.5	2494.4	2429.3	2419.3	2384.2	2359.1	2384.2	2409.2	2454.3	2459.3
5°	2384.2	2329.1	2223.9	2143.8	2053.6	2008.5	2003.5	1993.5	2023.6	2088.7	2128.7
7.5°	2279.0	2188.8	1998.5	1858.3	1733.0	1688.0	1652.9	1683.0	1678.0	1763.1	1798.2
10°	2254.0	2113.7	1848.3	1637.9	1482.6	1422.5	1387.4	1382.4	1392.4	1442.5	1477.6
12.5°	2344.1	2163.8	1788.1	1477.6	1297.3	1232.2	1192.1	1157.0	1157.0	1167.1	1212.1
15°	2544.5	2329.1	1823.2	1402.5	1207.1	1122.0	1056.9	1011.8	976.7	981.7	986.7
17.5°	2825.0	2569.5	1913.4	1377.4	1152.0	1061.9	981.7	936.6	896.6	886.6	886.6
20°	3045.4	2799.9	1983.5	1357.4	1106.9	991.7	921.6	881.6	846.5	831.5	831.5
22.5°	3070.4	2895.1	2043.6	1332.3	1051.8	921.6	856.5	821.4	796.4	791.4	791.4
25°	2905.1	2820.0	2023.6	1302.3	996.8	856.5	806.4	776.4	751.3	746.3	751.3
27.5°	2629.6	2584.5	1953.4	1262.2	951.7	806.4	761.3	736.3	711.3	706.2	711.3
30°	2384.2	2334.1	1833.2	1197.1	916.6	766.3	716.3	691.2	666.2	666.2	671.2
32.5°	2183.8	2133.8	1713.0	1122.0	871.5	721.3	676.2	651.1	626.1	626.1	636.1
35°	2003.5	1963.5	1617.8	1046.8	826.5	681.2	631.1	611.1	591.0	586.0	596.0
37.5°	1848.3	1828.2	1532.7	966.7	781.4	641.1	596.0	576.0	551.0	546.0	556.0
40°	1698.0	1688.0	1437.5	896.6	726.3	601.1	556.0	535.9	505.9	505.9	515.9
42.5°	1557.7	1552.7	1352.4	851.5	676.2	561.0	510.9	490.9	465.8	465.8	475.8
45°	1447.5	1442.5	1272.2	826.5	626.1	515.9	470.8	445.8	425.7	430.8	440.8
47.5°	1347.4	1337.4	1187.1	831.5	601.1	485.9	425.7	400.7	385.7	395.7	410.7
50°	1267.2	1257.2	1127.0	836.5	561.0	445.8	390.7	365.6	355.6	370.7	385.7
52.5°	1217.1	1207.1	1066.9	806.4	510.9	415.7	355.6	340.6	340.6	355.6	365.6
55°	1167.1	1157.0	966.7	741.3	455.8	385.7	330.6	320.6	320.6	335.6	345.6
57.5°	1137.0	1117.0	861.5	666.2	410.7	350.6	305.5	305.5	305.5	310.5	315.6
60°	1091.9	1041.8	751.3	571.0	375.7	315.6	285.5	280.5	280.5	275.5	280.5
62.5°	996.8	911.6	631.1	485.9	335.6	285.5	260.5	255.4	240.4	225.4	230.4
65°	*901.6*	*771.4*	*500.9*	*405.7*	*290.5*	*245.4*	*230.4*	*225.4*	*200.4*	*180.3*	*185.3*
67.5°	781.4	616.1	375.7	340.6	250.4	210.4	195.3	195.3	180.3	165.3	165.3
70°	696.2	480.8	315.6	255.4	200.4	165.3	165.3	175.3	160.3	140.2	140.2
72.5°	616.1	390.7	255.4	205.4	155.3	130.2	140.2	145.3	130.2	115.2	115.2
75°	525.9	305.5	200.4	160.3	115.2	100.2	105.2	115.2	105.2	90.2	95.2
77.5°	380.7	210.4	135.2	105.2	85.1	75.1	80.1	80.1	75.1	70.1	70.1
80°	265.5	140.2	90.2	70.1	60.1	55.1	55.1	50.1	50.1	55.1	55.1
82.5°	160.3	100.2	65.1	55.1	45.1	35.1	35.1	40.1	40.1	45.1	45.1
85°	70.1	60.1	45.1	40.1	30.1	25.0	30.1	30.1	35.1	40.1	40.1
87.5°	45.1	45.1	35.1	30.1	25.0	20.0	20.0	25.0	25.0	30.1	35.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0
2.5°	2479.4	2529.4	2589.6	2674.7	2749.8	2840.0	2930.2	3015.3	3095.4	3105.5	3140.5
5°	2158.8	2254.0	2374.2	2514.4	2684.7	2865.0	3040.3	3225.7	3375.9	3431.0	3511.2
7.5°	1828.2	1948.4	2123.7	2339.1	2579.5	2850.0	3120.5	3380.9	3606.3	3711.5	3816.7
10°	1512.7	1627.9	1843.2	2103.7	2414.2	2779.9	3140.5	3491.1	3766.6	3886.8	3987.0
12.5°	1227.2	1342.4	1517.7	1818.2	2193.9	2634.6	3110.5	3531.2	3836.7	3962.0	4057.1
15°	1001.8	1096.9	1262.2	1542.7	1938.4	2434.3	3005.3	3501.2	3851.8	3972.0	4042.1
17.5°	881.6	906.6	1011.8	1267.2	1698.0	2254.0	2870.0	3461.1	3861.8	3972.0	4012.1
20°	831.5	831.5	851.5	986.7	1407.5	2063.6	2769.9	3436.0	3876.8	3987.0	3982.0
22.5°	786.4	796.4	796.4	826.5	1071.9	1798.2	2664.7	3426.0	3921.9	4007.0	3936.9
25°	746.3	761.3	761.3	771.4	841.5	1482.6	2534.5	3446.1	4002.0	4047.1	3906.9
27.5°	711.3	726.3	726.3	736.3	751.3	1101.9	2319.1	3451.1	4092.2	4097.2	3866.8
30°	676.2	691.2	701.2	701.2	711.3	811.4	2048.6	3421.0	4192.4	4162.3	3861.8
32.5°	636.1	656.2	661.2	671.2	676.2	706.2	1698.0	3370.9	4317.6	4252.5	3866.8
35°	601.1	626.1	631.1	631.1	641.1	671.2	1357.4	3315.8	4487.9	4372.7	3886.8
37.5°	566.0	586.0	591.0	596.0	606.1	636.1	1076.9	3235.7	4633.1	4523.0	3987.0
40°	525.9	551.0	556.0	561.0	571.0	601.1	926.6	3135.5	4853.5	4773.4	4137.3
42.5°	485.9	510.9	520.9	525.9	530.9	571.0	846.5	3065.4	5209.2	5124.0	4442.8
45°	450.8	475.8	485.9	485.9	495.9	551.0	776.4	3220.7	5700.0	5660.0	4853.5
47.5°	420.7	445.8	450.8	450.8	455.8	520.9	716.3	3636.4	6451.3	6346.2	5494.7
50°	395.7	415.7	425.7	415.7	420.7	495.9	751.3	4322.6	7413.0	7448.1	6436.3
52.5°	375.7	395.7	400.7	380.7	380.7	460.8	796.4	4883.6	8640.2	8960.8	7928.9
55°	350.6	370.7	375.7	350.6	350.6	405.7	691.2	4918.6	10037.7	11069.5	9872.4
57.5°	325.6	345.6	345.6	325.6	320.6	350.6	561.0	4362.7	11119.6	13458.7	12532.0
60°	295.5	315.6	310.5	300.5	290.5	320.6	515.9	3325.8	10974.3	15016.4	15582.4
62.5°	240.4	270.5	280.5	275.5	255.4	290.5	480.8	2168.8	9496.7	13664.0	15487.2
65°	*200.4*	*225.4*	*240.4*	*240.4*	*225.4*	*320.6*	*420.7*	*1142.0*	*7603.4*	*11595.4*	*13654.0*
67.5°	175.3	200.4	210.4	205.4	195.3	285.5	265.5	551.0	5830.3	9992.6	12221.5
70°	155.3	175.3	185.3	170.3	160.3	230.4	190.3	325.6	3901.9	8339.7	10884.1
72.5°	125.2	145.3	155.3	140.2	125.2	170.3	145.3	215.4	2539.5	7107.5	9672.0
75°	100.2	120.2	125.2	115.2	100.2	125.2	115.2	150.3	1657.9	5880.3	8224.5
77.5°	75.1	85.1	95.2	90.2	75.1	90.2	80.1	105.2	946.7	4127.3	5770.1
80°	60.1	65.1	65.1	65.1	60.1	55.1	55.1	70.1	425.7	2033.6	3010.3
82.5°	50.1	55.1	55.1	50.1	45.1	40.1	35.1	40.1	125.2	911.6	1387.4
85°	45.1	50.1	40.1	35.1	30.1	25.0	15.0	15.0	35.1	145.3	270.5
87.5°	35.1	30.1	25.0	20.0	10.0	5.0	5.0	0.0	5.0	5.0	5.0
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: P1364547
CATALOG NUMBER: GSS-SB6A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0	2820.0
2.5°	3195.6	3245.7	3280.8	3310.8	3300.8	3275.8	3225.7	3190.6	3182.6	3180.6
5°	3616.4	3696.5	3766.6	3756.6	3766.6	3691.5	3616.4	3526.2	3490.1	3481.1
7.5°	3967.0	4067.2	4152.3	4142.3	4112.2	4027.1	3901.9	3766.6	3702.5	3686.5
10°	4157.3	4272.5	4342.6	4317.6	4267.5	4157.3	4032.1	3871.8	3799.7	3781.6
12.5°	4192.4	4267.5	4252.5	4242.5	4232.4	4177.3	4082.2	3936.9	3864.8	3846.8
15°	4102.2	4072.2	3987.0	3967.0	4042.1	4112.2	4092.2	3972.0	3903.9	3886.8
17.5°	3951.9	3796.7	3641.4	3621.4	3746.6	3941.9	4097.2	4027.1	3963.0	3946.9
20°	3786.7	3496.1	3325.8	3290.8	3446.1	3736.6	4042.1	4082.2	4038.1	4027.1
22.5°	3591.3	3250.7	3070.4	3050.4	3165.6	3506.2	3962.0	4142.3	4122.2	4117.2
25°	3421.0	3035.3	2865.0	2835.0	2985.2	3315.8	3881.8	4242.5	4230.4	4227.4
27.5°	3280.8	2880.1	2699.7	2679.7	2825.0	3155.5	3781.6	4327.6	4367.7	4377.7
30°	3170.6	2764.9	2584.5	2559.5	2719.8	3045.4	3711.5	4447.8	4524.0	4543.0
32.5°	3085.4	2699.7	2529.4	2514.4	2684.7	3000.3	3671.5	4573.0	4729.3	4768.4
35°	3055.4	2719.8	2604.6	2639.6	2769.9	3045.4	3701.5	4778.4	4994.8	5048.9
37.5°	3120.5	2940.2	3020.3	3110.5	3160.6	3260.7	3841.8	5109.0	5389.5	5459.6
40°	3330.9	3531.2	3906.9	4082.2	4062.1	3831.7	4162.3	5574.8	5975.5	6075.7
42.5°	3866.8	4517.9	5314.3	5609.9	5439.6	4743.3	4673.2	6341.2	6798.0	6912.2
45°	4663.2	5710.0	7017.3	7683.5	7097.5	5900.4	5479.6	7433.1	7873.8	7984.0
47.5°	5459.6	7042.4	9121.0	9912.4	8760.4	7047.4	6536.5	8740.4	9137.1	9236.2
50°	6271.0	8515.0	11219.7	12276.6	10418.3	8214.4	7658.5	10353.2	10641.7	10713.8
52.5°	7107.5	9832.3	13533.8	14445.4	12151.4	9116.0	8940.7	12111.3	12283.6	12326.7
55°	8039.1	11079.5	15852.9	16589.2	13729.1	9902.4	10443.4	13949.5	13905.5	13894.4
57.5°	9281.3	12391.8	17721.2	18748.0	15161.7	10964.3	12451.9	15993.1	15131.6	14916.2
60°	11450.1	14430.4	20045.2	21162.2	17080.0	12517.0	13929.5	15948.0	14409.3	14024.7
62.5°	13964.6	16393.8	22148.9	23090.6	19098.6	14059.7	12752.4	13393.6	11870.9	11490.2
65°	12131.3	16048.2	22214.1	23180.8	19173.7	13118.1	9426.6	9496.7	8214.4	7893.9
67.5°	10323.2	14225.0	20230.6	20991.9	17105.1	10844.1	6251.0	6195.9	5390.5	5189.1
70°	9191.2	12461.9	17435.7	16779.5	14380.3	9166.1	4152.3	3441.1	2940.2	2815.0
72.5°	8259.5	9887.4	14129.8	11565.3	11931.0	7458.1	2639.6	2344.1	1955.4	1858.3
75°	7478.2	8179.4	8815.5	7994.1	8474.9	6145.8	2238.9	1808.2	1479.6	1397.5
77.5°	5950.5	6366.2	5219.2	5068.9	5935.4	4372.7	1112.0	761.3	665.2	641.1
80°	3541.2	3010.3	2960.2	3375.9	3951.9	2269.0	681.2	420.7	380.7	370.7
82.5°	2143.8	1086.9	1182.1	1492.6	2103.7	1031.8	405.7	180.3	160.3	155.3
85°	360.6	295.5	455.8	435.8	410.7	220.4	110.2	50.1	46.1	45.1
87.5°	10.0	15.0	20.0	25.0	25.0	25.0	25.0	25.0	29.1	30.1
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

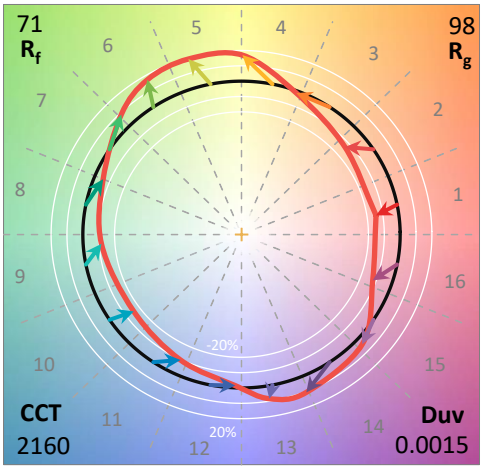
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

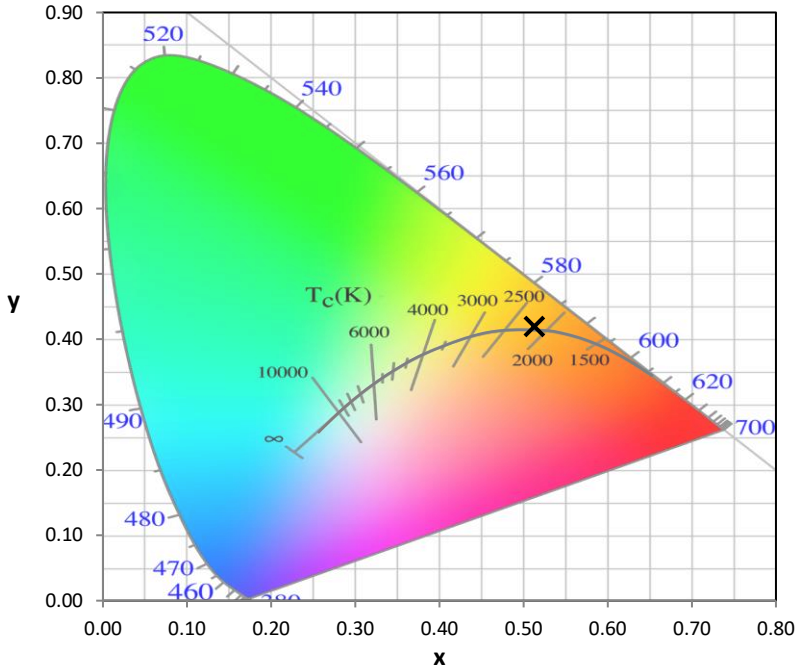
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

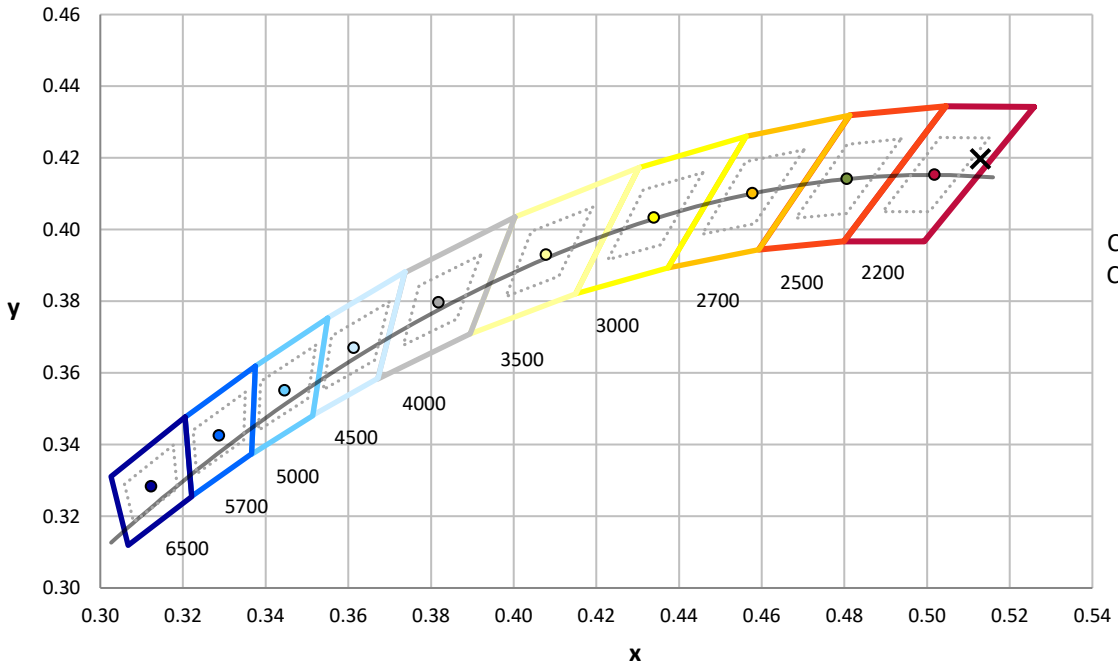
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

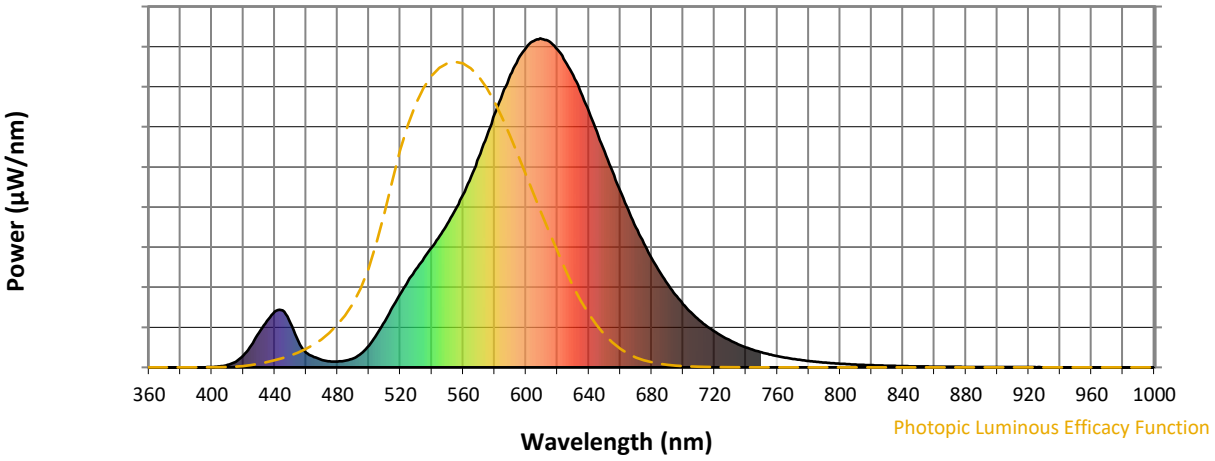


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

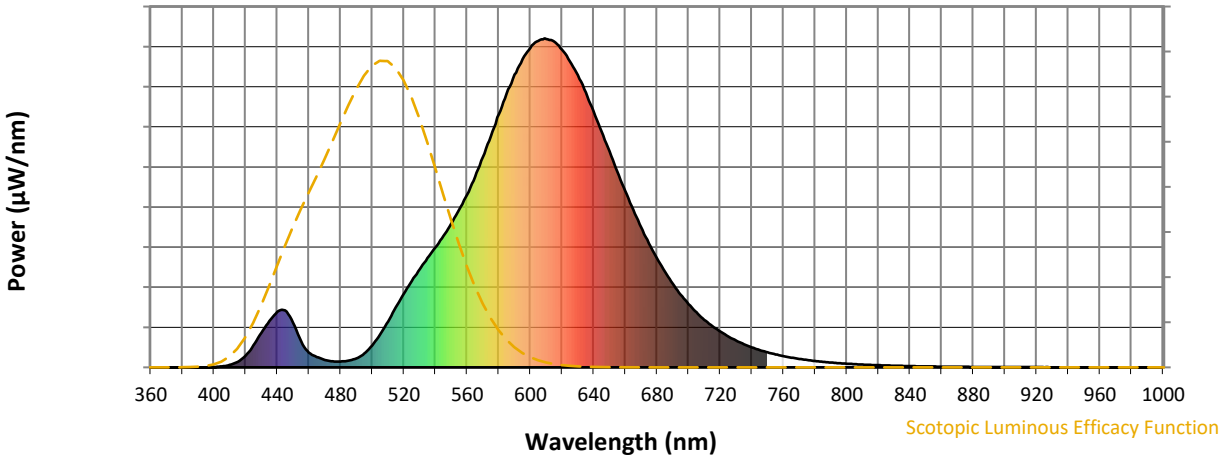


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

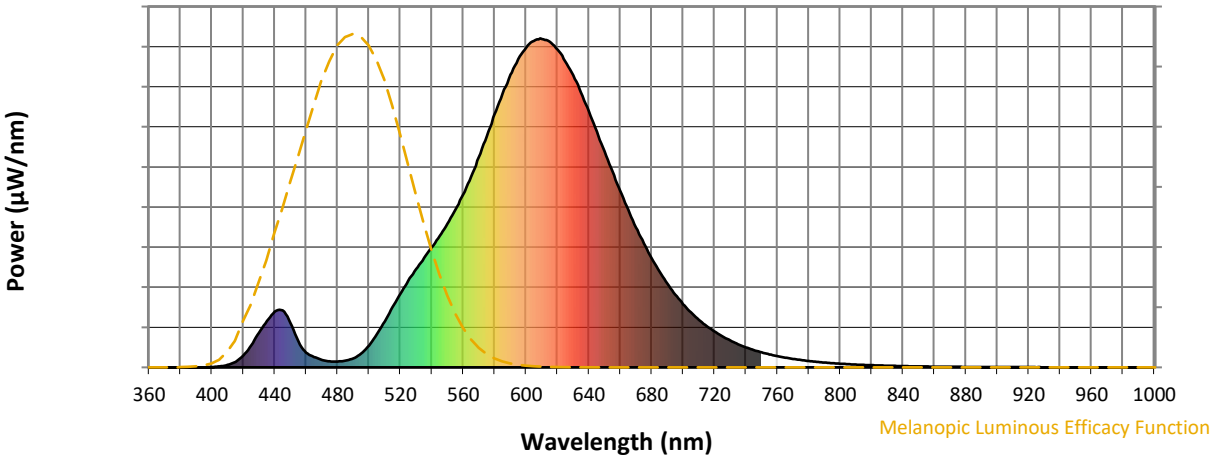


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

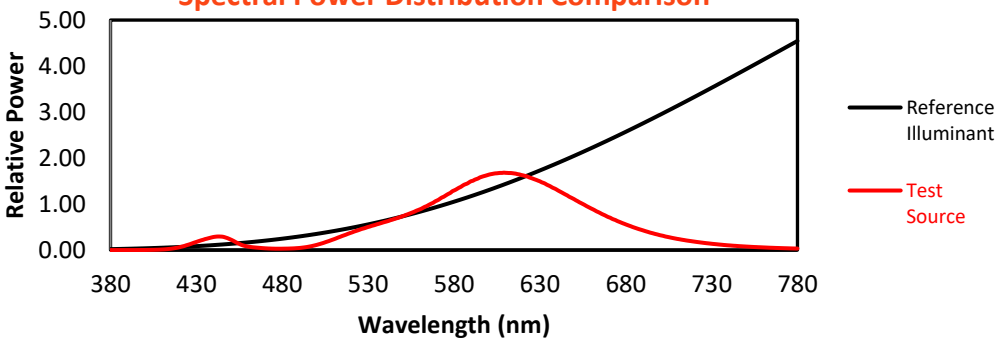
REPORT NUMBER: SP1-2407-184-2

TM-30-18

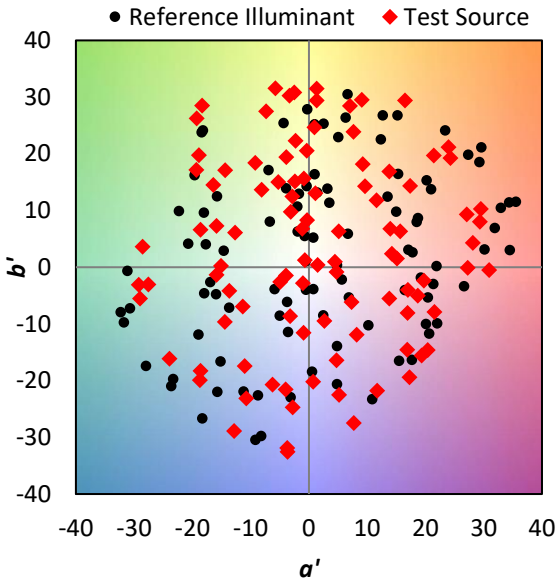
Summary

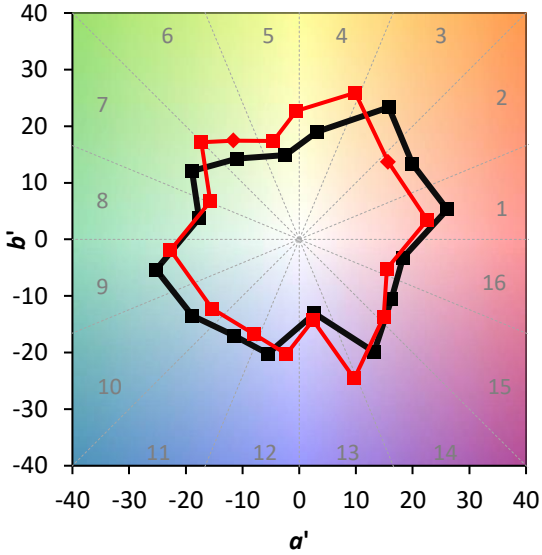
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

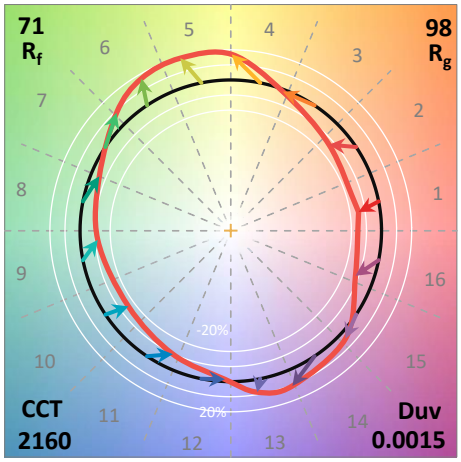
Spectral Power Distribution Comparison

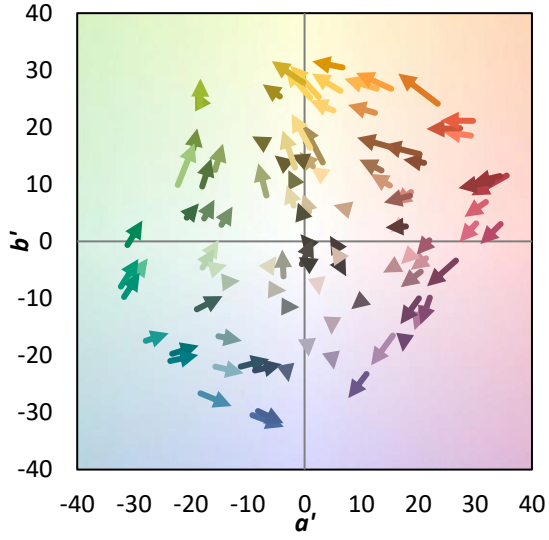


Color Vector Graphics







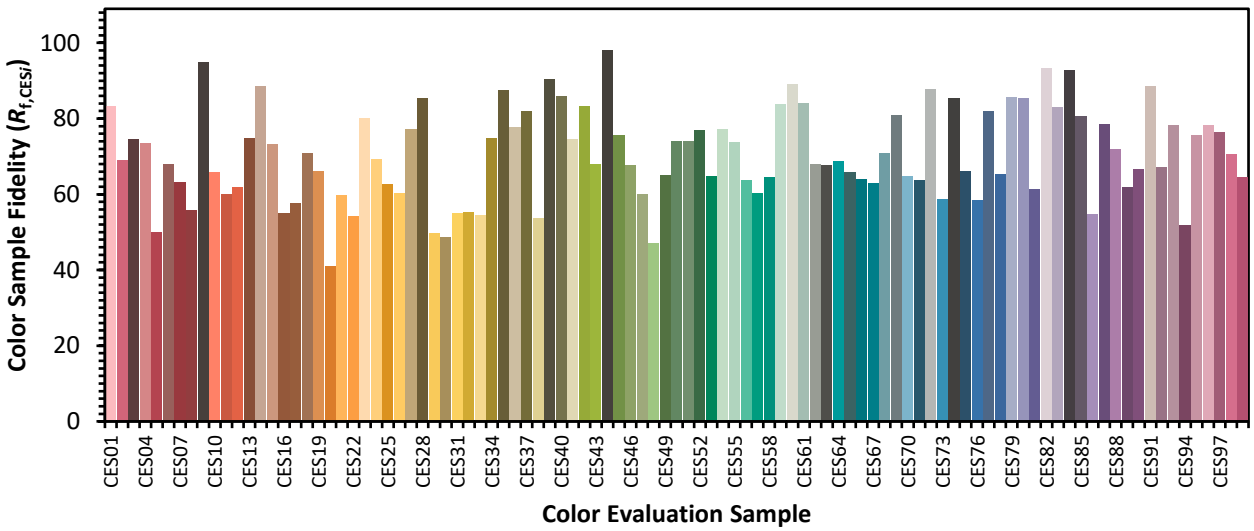


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

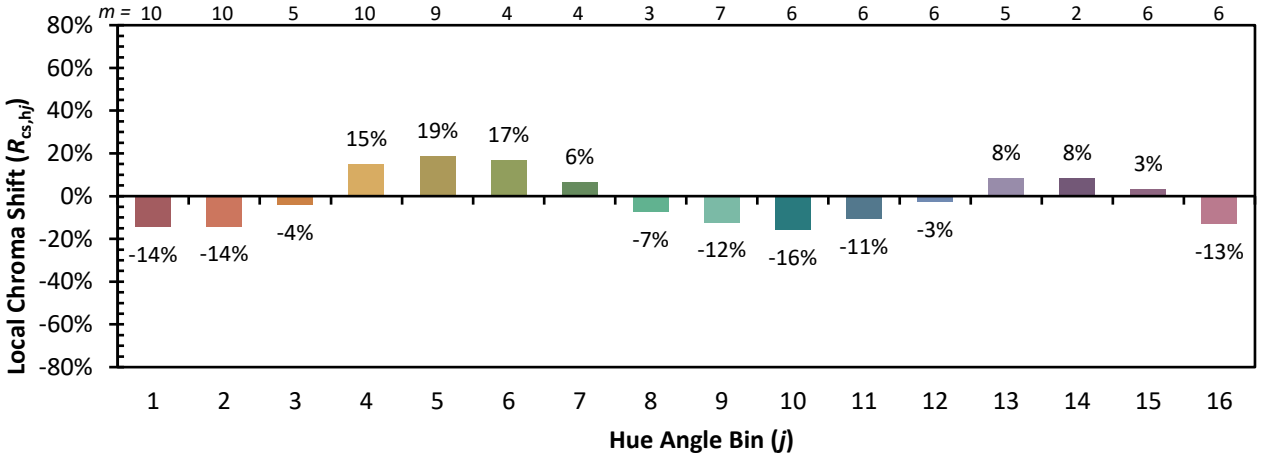
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

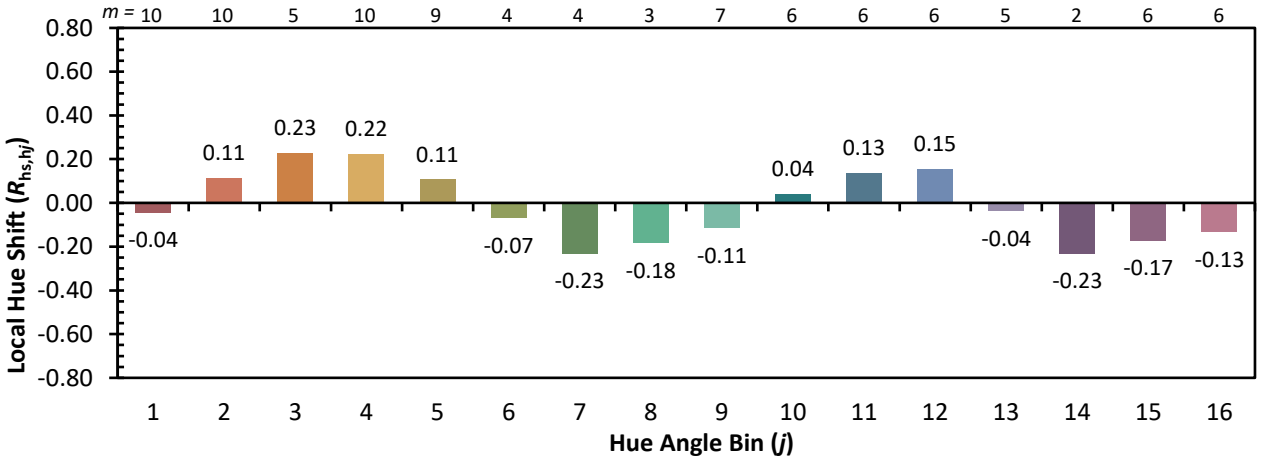


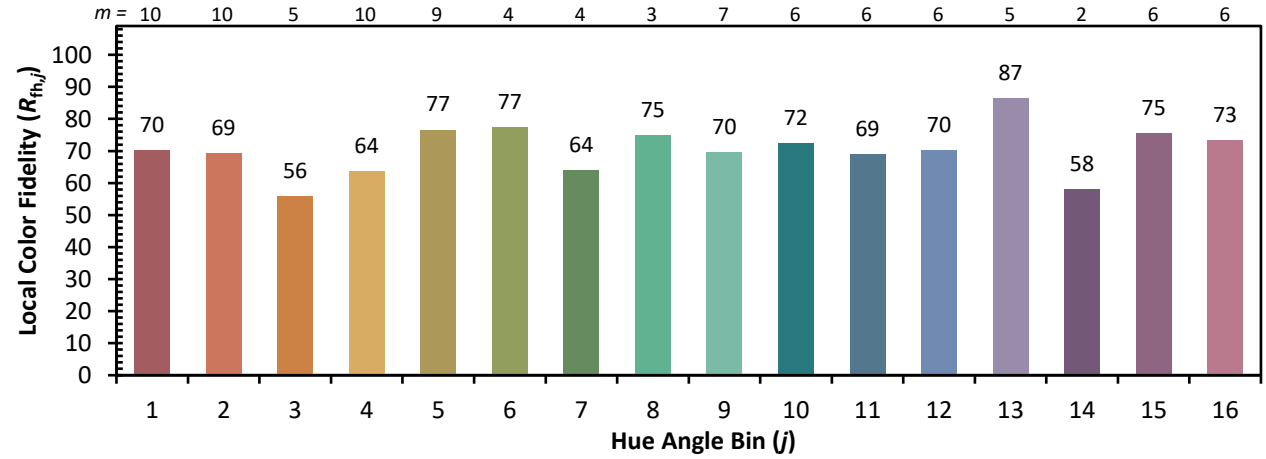
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



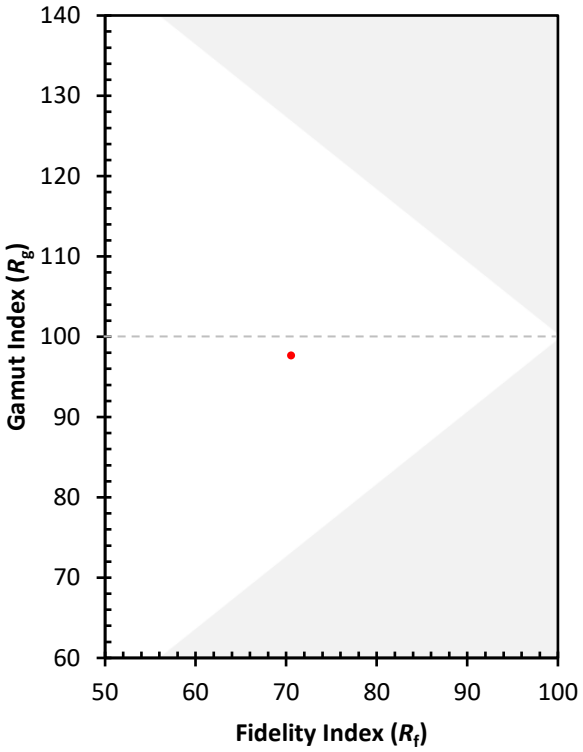


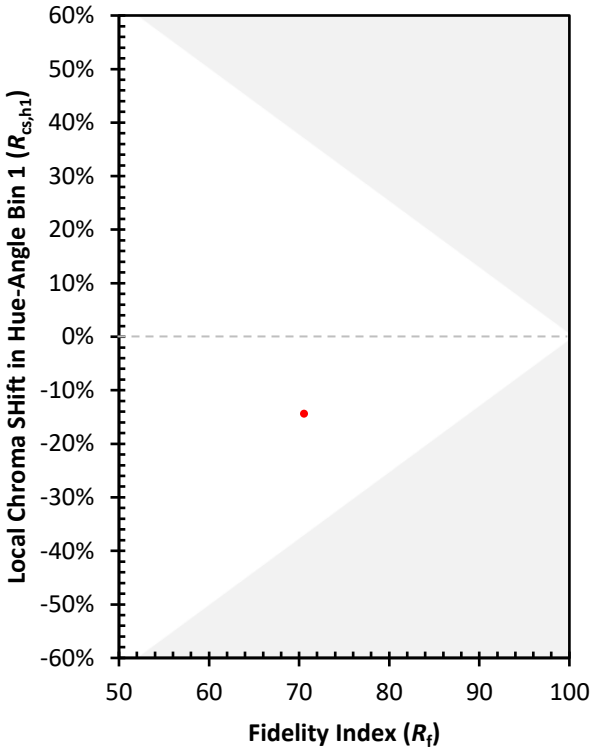


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)