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: P1364587

Luminaire Tested: **GSS-SB4A-730-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364587
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-730-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13158.5 lumens
Efficiency:	N/A
Efficacy:	115.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

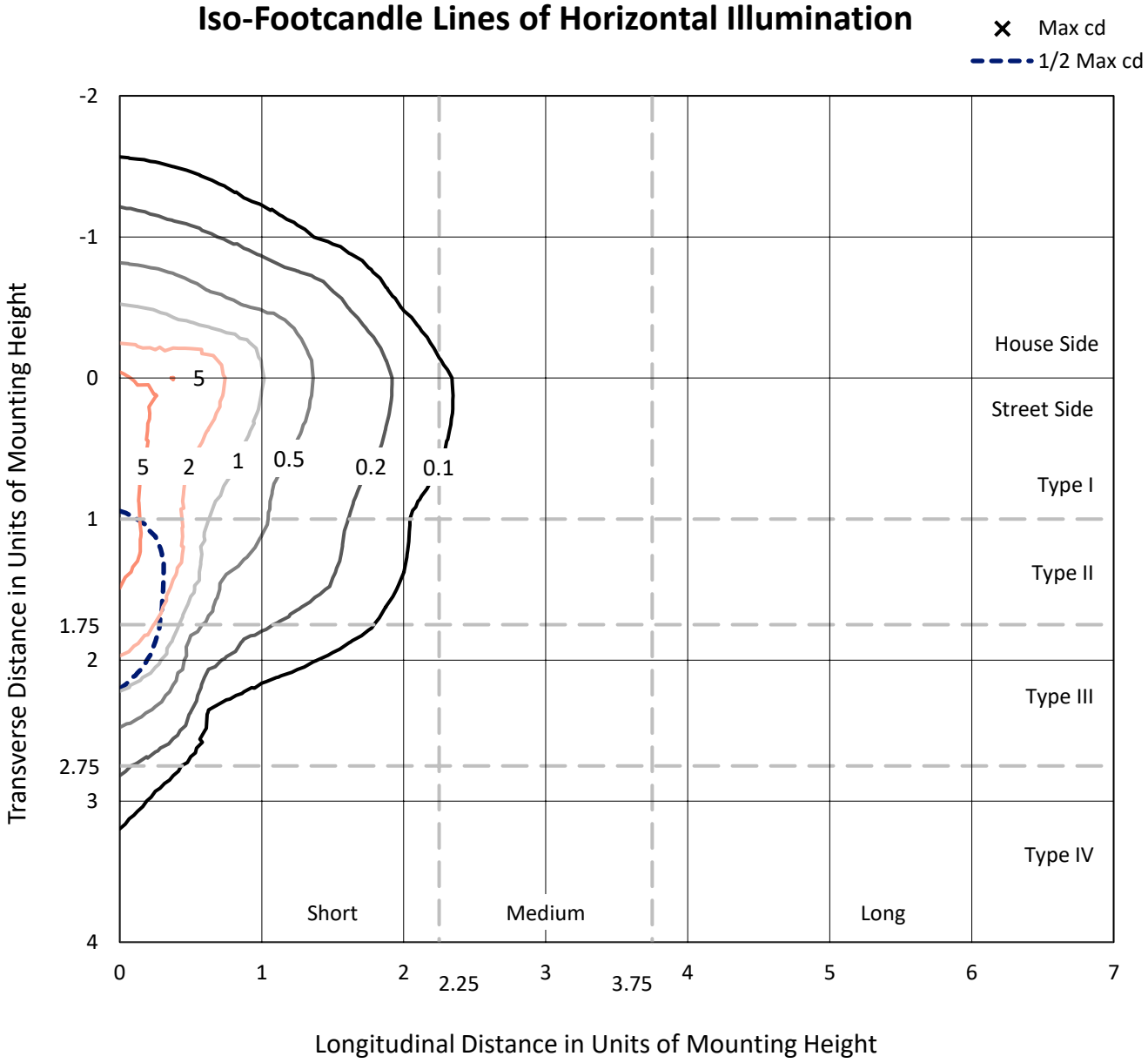
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



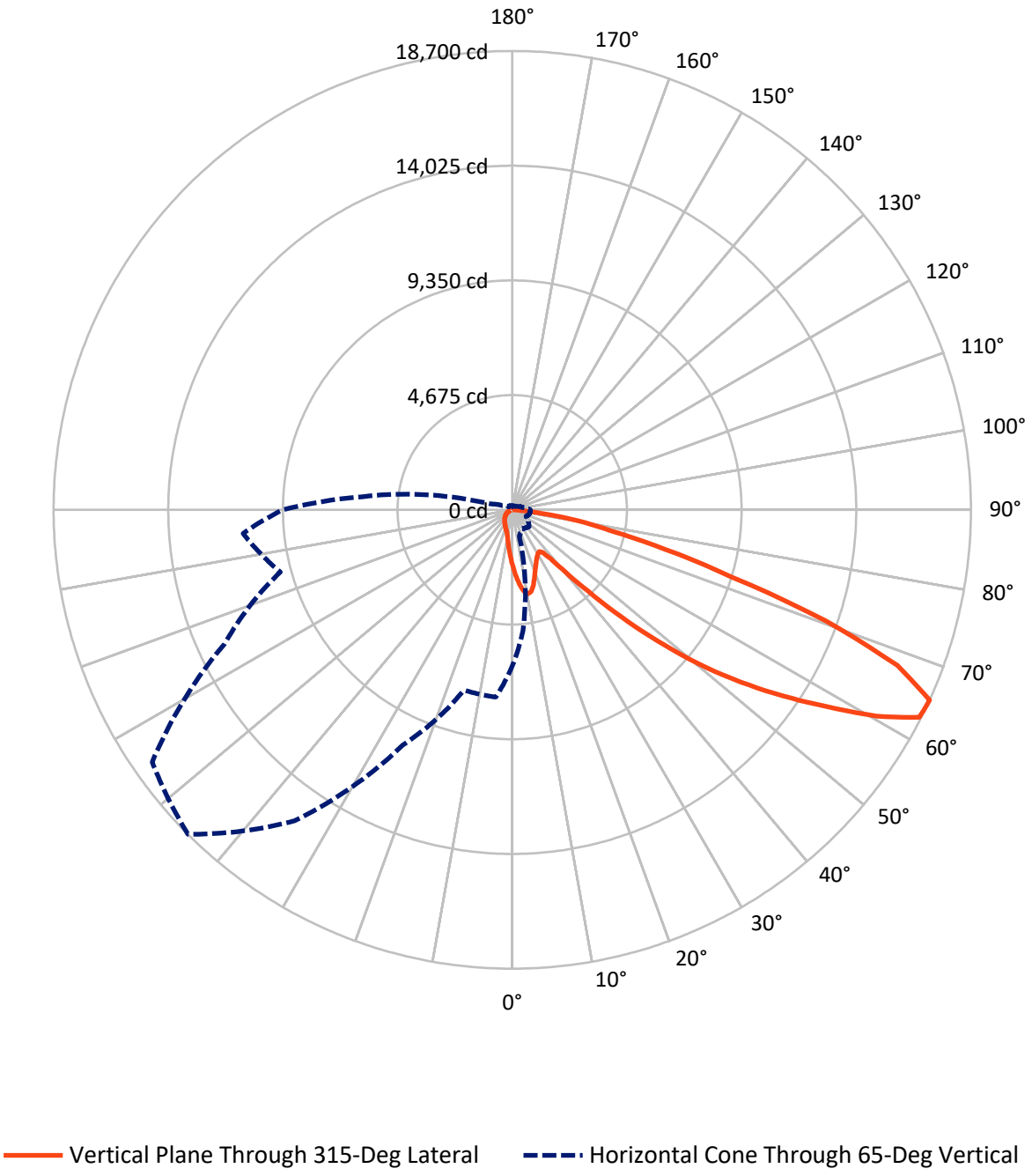
Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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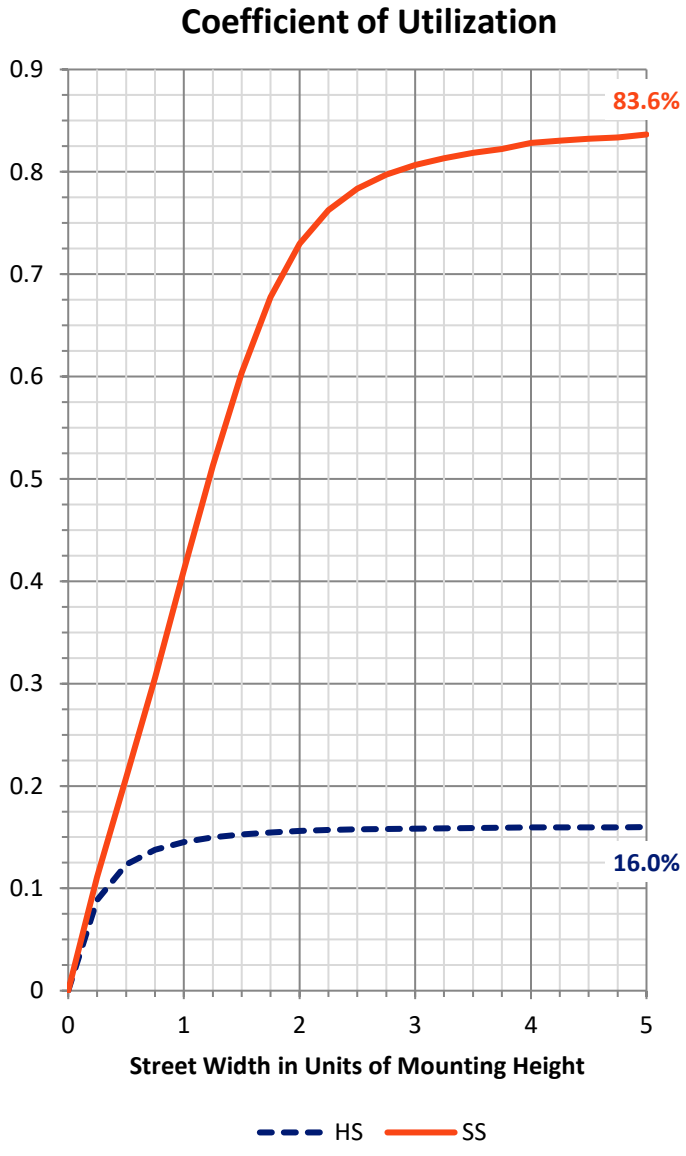
REPORT NUMBER: P1364587
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2127.1	0.0	2127.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	11031.3	0.0	11031.3
	% Fixture	83.8	0.0	83.8
Total	Lumens	13158.5	0.0	13158.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.6	1.7
10°-20°	604.6	4.6
20°-30°	866.0	6.6
30°-40°	1086.2	8.3
40°-50°	1784.3	13.6
50°-60°	3219.9	24.5
60°-70°	3573.4	27.2
70°-80°	1614.5	12.3
80°-90°	190.9	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°	13158.5	100.0
0°-180°	13158.5	100.0



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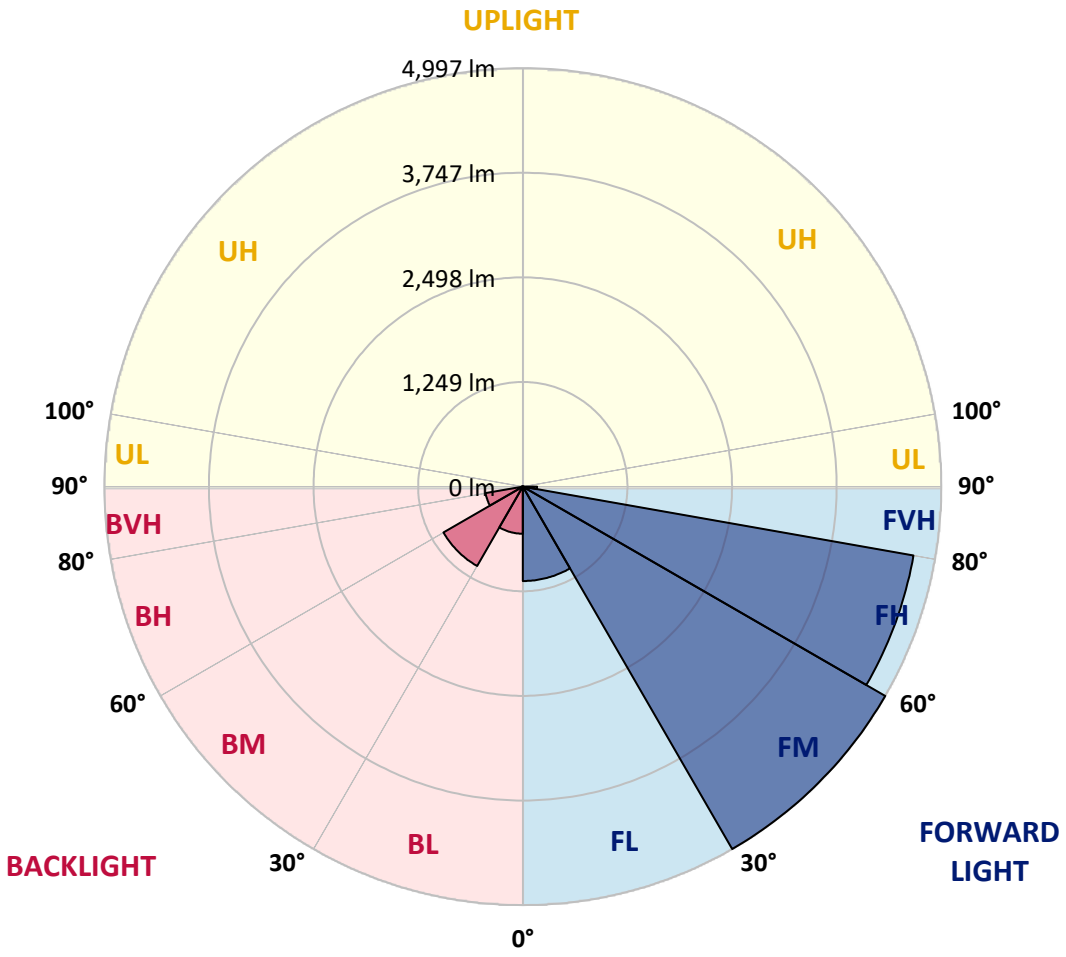
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1127.1	8.6			
FM	(30°-60°)	4996.6	38.0			
FH	(60°-80°)	4736.2	36.0			G2/5000
FVH	(80°-90°)	171.4	1.3			G2/225
BL	(0°-30°)	562.1	4.3	B2/1000		
BM	(30°-60°)	1093.8	8.3	B2/2500		
BH	(60°-80°)	451.7	3.4	B1/500		G1/500
BVH	(80°-90°)	19.5	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8
2.5°	2565.7	2563.3	2553.6	2493.0	2432.4	2379.9	2327.4	2274.8	2202.1	2145.5	2097.0
5°	2808.2	2795.2	2743.5	2650.6	2549.6	2460.7	2359.7	2262.7	2153.6	2064.7	1971.8
7.5°	2973.8	2960.9	2909.2	2755.7	2602.1	2493.0	2383.9	2282.9	2161.7	2044.5	1911.2
10°	3050.6	3036.1	2977.9	2812.2	2634.4	2501.1	2392.0	2299.1	2198.1	2080.9	1915.2
12.5°	3103.1	3085.4	3014.2	2824.3	2642.5	2509.2	2396.0	2307.2	2234.4	2165.7	2004.1
15°	3135.5	3119.3	3054.7	2856.7	2646.6	2497.1	2363.7	2278.9	2254.6	2266.7	2190.0
17.5°	3183.9	3168.6	3107.2	2897.1	2670.8	2476.9	2295.0	2202.1	2254.6	2363.7	2388.0
20°	3248.6	3232.4	3167.8	2949.6	2691.0	2416.2	2165.7	2076.8	2210.2	2392.0	2517.3
22.5°	3321.3	3308.4	3256.7	3010.2	2711.2	2327.4	1996.0	1955.6	2117.2	2311.2	2472.8
25°	3410.2	3398.1	3349.6	3095.1	2731.4	2206.1	1850.6	1858.6	1996.0	2149.6	2315.2
27.5°	3531.4	3520.1	3474.9	3200.1	2755.7	2080.9	1733.4	1773.8	1874.8	1979.9	2080.9
30°	3664.8	3655.9	3620.3	3325.4	2804.1	1963.7	1664.7	1688.9	1757.6	1842.5	1903.1
32.5°	3846.6	3832.1	3773.9	3442.5	2800.1	1874.8	1632.4	1608.1	1628.3	1697.0	1757.6
35°	4072.9	4061.6	4016.3	3563.8	2727.4	1794.0	1616.2	1531.4	1519.2	1559.6	1620.3
37.5°	4404.2	4394.5	4355.7	3761.7	2614.2	1693.0	1575.8	1450.6	1410.1	1438.4	1478.8
40°	4901.2	4876.1	4775.9	3988.0	2489.0	1592.0	1503.1	1353.6	1297.0	1317.2	1361.7
42.5°	5575.9	5528.3	5337.6	4291.1	2319.3	1495.0	1394.0	1256.6	1196.0	1208.1	1248.5
45°	6440.6	6368.7	6081.0	4707.2	2141.5	1418.2	1280.9	1155.6	1090.9	1103.1	1147.5
47.5°	7450.8	7352.2	6957.8	5143.6	1951.6	1373.8	1192.0	1054.6	1006.1	1034.4	1078.8
50°	8642.7	8543.3	8145.7	5422.4	1798.0	1345.5	1123.3	961.6	941.4	977.8	1014.2
52.5°	9943.8	9802.4	9236.7	5244.6	1672.8	1321.3	1099.0	897.0	905.1	933.4	969.7
55°	11208.5	10894.1	9636.7	4654.7	1511.2	1293.0	1115.2	848.5	868.7	905.1	933.4
57.5°	12032.7	11486.5	9301.3	3749.6	1341.5	1260.6	1127.3	824.3	840.4	880.8	913.2
60°	11313.5	10764.0	8566.0	2808.2	1196.0	1192.0	1107.1	816.2	791.9	848.5	876.8
62.5°	9269.0	8816.5	7006.3	1794.0	1058.6	1062.7	1062.7	812.1	711.1	783.9	808.1
65°	*6367.9*	*6085.1*	*4953.7*	*1111.1*	*864.7*	*905.1*	*965.7*	*787.9*	*626.3*	*711.1*	*735.4*
67.5°	4186.0	3978.3	3147.6	686.9	666.7	743.5	836.4	739.4	561.6	638.4	654.6
70°	2270.8	2113.2	1482.9	452.5	436.4	581.8	658.6	626.3	505.1	569.7	585.9
72.5°	1499.0	1369.7	852.6	319.2	319.2	456.6	460.6	513.1	452.5	505.1	521.2
75°	1127.3	1011.8	549.5	222.2	246.5	290.9	359.6	367.7	379.8	428.3	448.5
77.5°	517.2	454.2	202.0	133.3	181.8	202.0	274.8	234.4	282.8	319.2	327.3
80°	299.0	261.8	113.1	88.9	117.2	129.3	226.3	137.4	169.7	226.3	238.4
82.5°	125.3	111.5	56.6	60.6	72.7	76.8	125.3	97.0	109.1	149.5	145.5
85°	36.4	36.4	36.4	40.4	44.4	44.4	72.7	68.7	64.6	68.7	68.7
87.5°	24.2	24.2	24.2	24.2	28.3	28.3	32.3	36.4	40.4	40.4	40.4
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°	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8
2.5°	2076.8	2048.6	2012.2	1959.7	1951.6	1923.3	1903.1	1923.3	1943.5	1979.9	1983.9
5°	1923.3	1878.9	1794.0	1729.4	1656.6	1620.3	1616.2	1608.1	1632.4	1684.9	1717.2
7.5°	1838.4	1765.7	1612.2	1499.0	1398.0	1361.7	1333.4	1357.6	1353.6	1422.3	1450.6
10°	1818.2	1705.1	1491.0	1321.3	1196.0	1147.5	1119.2	1115.2	1123.3	1163.7	1192.0
12.5°	1891.0	1745.5	1442.5	1192.0	1046.5	994.0	961.6	933.4	933.4	941.4	977.8
15°	2052.6	1878.9	1470.8	1131.4	973.8	905.1	852.6	816.2	787.9	791.9	796.0
17.5°	2278.9	2072.8	1543.5	1111.1	929.3	856.6	791.9	755.6	723.3	715.2	715.2
20°	2456.7	2258.7	1600.1	1095.0	893.0	800.0	743.5	711.1	682.9	670.7	670.7
22.5°	2476.9	2335.4	1648.5	1074.8	848.5	743.5	690.9	662.6	642.4	638.4	638.4
25°	2343.5	2274.8	1632.4	1050.5	804.1	690.9	650.5	626.3	606.1	602.0	606.1
27.5°	2121.3	2084.9	1575.8	1018.2	767.7	650.5	614.2	594.0	573.8	569.7	573.8
30°	1923.3	1882.9	1478.8	965.7	739.4	618.2	577.8	557.6	537.4	537.4	541.4
32.5°	1761.7	1721.3	1381.9	905.1	703.1	581.8	545.5	525.3	505.1	505.1	513.1
35°	1616.2	1583.9	1305.1	844.5	666.7	549.5	509.1	492.9	476.8	472.7	480.8
37.5°	1491.0	1474.8	1236.4	779.8	630.3	517.2	480.8	464.7	444.5	440.4	448.5
40°	1369.7	1361.7	1159.6	723.3	585.9	484.9	448.5	432.3	408.1	408.1	416.2
42.5°	1256.6	1252.6	1090.9	686.9	545.5	452.5	412.1	396.0	375.8	375.8	383.9
45°	1167.7	1163.7	1026.3	666.7	505.1	416.2	379.8	359.6	343.4	347.5	355.6
47.5°	1086.9	1078.8	957.6	670.7	484.9	391.9	343.4	323.2	311.1	319.2	331.3
50°	1022.3	1014.2	909.1	674.8	452.5	359.6	315.2	295.0	286.9	299.0	311.1
52.5°	981.9	973.8	860.6	650.5	412.1	335.4	286.9	274.8	274.8	286.9	295.0
55°	941.4	933.4	779.8	598.0	367.7	311.1	266.7	258.6	258.6	270.7	278.8
57.5°	917.2	901.0	695.0	537.4	331.3	282.8	246.5	246.5	246.5	250.5	254.6
60°	880.8	840.4	606.1	460.6	303.0	254.6	230.3	226.3	226.3	222.2	226.3
62.5°	804.1	735.4	509.1	391.9	270.7	230.3	210.1	206.1	193.9	181.8	185.9
65°	*727.3*	*622.2*	*404.1*	*327.3*	*234.4*	*198.0*	*185.9*	*181.8*	*161.6*	*145.5*	*149.5*
67.5°	630.3	497.0	303.0	274.8	202.0	169.7	157.6	157.6	145.5	133.3	133.3
70°	561.6	387.9	254.6	206.1	161.6	133.3	133.3	141.4	129.3	113.1	113.1
72.5°	497.0	315.2	206.1	165.7	125.3	105.1	113.1	117.2	105.1	92.9	92.9
75°	424.3	246.5	161.6	129.3	92.9	80.8	84.9	92.9	84.9	72.7	76.8
77.5°	307.1	169.7	109.1	84.9	68.7	60.6	64.6	64.6	60.6	56.6	56.6
80°	214.1	113.1	72.7	56.6	48.5	44.4	44.4	40.4	40.4	44.4	44.4
82.5°	129.3	80.8	52.5	44.4	36.4	28.3	28.3	32.3	32.3	36.4	36.4
85°	56.6	48.5	36.4	32.3	24.2	20.2	24.2	24.2	28.3	32.3	32.3
87.5°	36.4	36.4	28.3	24.2	20.2	16.2	16.2	20.2	20.2	24.2	28.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8
2.5°	2000.1	2040.5	2089.0	2157.7	2218.3	2291.0	2363.7	2432.4	2497.1	2505.1	2533.4
5°	1741.5	1818.2	1915.2	2028.4	2165.7	2311.2	2452.6	2602.1	2723.3	2767.8	2832.4
7.5°	1474.8	1571.8	1713.2	1886.9	2080.9	2299.1	2517.3	2727.4	2909.2	2994.0	3078.9
10°	1220.2	1313.2	1486.9	1697.0	1947.5	2242.5	2533.4	2816.3	3038.5	3135.5	3216.3
12.5°	989.9	1082.9	1224.3	1466.7	1769.8	2125.3	2509.2	2848.6	3095.1	3196.1	3272.8
15°	808.1	884.9	1018.2	1244.5	1563.7	1963.7	2424.3	2824.3	3107.2	3204.2	3260.7
17.5°	711.1	731.3	816.2	1022.3	1369.7	1818.2	2315.2	2792.0	3115.3	3204.2	3236.5
20°	670.7	670.7	686.9	796.0	1135.4	1664.7	2234.4	2771.8	3127.4	3216.3	3212.2
22.5°	634.4	642.4	642.4	666.7	864.7	1450.6	2149.6	2763.7	3163.7	3232.4	3175.9
25°	602.0	614.2	614.2	622.2	678.8	1196.0	2044.5	2779.9	3228.4	3264.8	3151.6
27.5°	573.8	585.9	585.9	594.0	606.1	888.9	1870.8	2783.9	3301.1	3305.2	3119.3
30°	545.5	557.6	565.7	565.7	573.8	654.6	1652.6	2759.7	3381.9	3357.7	3115.3
32.5°	513.1	529.3	533.4	541.4	545.5	569.7	1369.7	2719.3	3482.9	3430.4	3119.3
35°	484.9	505.1	509.1	509.1	517.2	541.4	1095.0	2674.8	3620.3	3527.4	3135.5
37.5°	456.6	472.7	476.8	480.8	488.9	513.1	868.7	2610.2	3737.5	3648.6	3216.3
40°	424.3	444.5	448.5	452.5	460.6	484.9	747.5	2529.4	3915.3	3850.6	3337.5
42.5°	391.9	412.1	420.2	424.3	428.3	460.6	682.9	2472.8	4202.2	4133.5	3584.0
45°	363.6	383.9	391.9	391.9	400.0	444.5	626.3	2598.1	4598.1	4565.8	3915.3
47.5°	339.4	359.6	363.6	363.6	367.7	420.2	577.8	2933.4	5204.2	5119.4	4432.5
50°	319.2	335.4	343.4	335.4	339.4	400.0	606.1	3487.0	5980.0	6008.3	5192.1
52.5°	303.0	319.2	323.2	307.1	307.1	371.7	642.4	3939.5	6969.9	7228.5	6396.2
55°	282.8	299.0	303.0	282.8	282.8	327.3	557.6	3967.8	8097.2	8929.6	7963.9
57.5°	262.6	278.8	278.8	262.6	258.6	282.8	452.5	3519.3	8970.0	10856.9	10109.4
60°	238.4	254.6	250.5	242.4	234.4	258.6	416.2	2682.9	8852.8	12113.5	12570.1
62.5°	193.9	218.2	226.3	222.2	206.1	234.4	387.9	1749.6	7660.9	11022.6	12493.4
65°	*161.6*	*181.8*	*193.9*	*193.9*	*181.8*	*258.6*	*339.4*	*921.2*	*6133.5*	*9353.9*	*11014.5*
67.5°	141.4	161.6	169.7	165.7	157.6	230.3	214.1	444.5	4703.2	8060.9	9858.9
70°	125.3	141.4	149.5	137.4	129.3	185.9	153.5	262.6	3147.6	6727.5	8780.1
72.5°	101.0	117.2	125.3	113.1	101.0	137.4	117.2	173.7	2048.6	5733.5	7802.3
75°	80.8	97.0	101.0	92.9	80.8	101.0	92.9	121.2	1337.4	4743.6	6634.6
77.5°	60.6	68.7	76.8	72.7	60.6	72.7	64.6	84.9	763.7	3329.4	4654.7
80°	48.5	52.5	52.5	52.5	48.5	44.4	44.4	56.6	343.4	1640.5	2428.4
82.5°	40.4	44.4	44.4	40.4	36.4	32.3	28.3	32.3	101.0	735.4	1119.2
85°	36.4	40.4	32.3	28.3	24.2	20.2	12.1	12.1	28.3	117.2	218.2
87.5°	28.3	24.2	20.2	16.2	8.1	4.0	4.0	0.0	4.0	4.0	4.0
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: P1364587
CATALOG NUMBER: GSS-SB4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8	2274.8
2.5°	2577.9	2618.3	2646.6	2670.8	2662.7	2642.5	2602.1	2573.8	2567.4	2565.7
5°	2917.3	2981.9	3038.5	3030.4	3038.5	2977.9	2917.3	2844.5	2815.5	2808.2
7.5°	3200.1	3280.9	3349.6	3341.5	3317.3	3248.6	3147.6	3038.5	2986.8	2973.8
10°	3353.7	3446.6	3503.2	3482.9	3442.5	3353.7	3252.6	3123.3	3065.2	3050.6
12.5°	3381.9	3442.5	3430.4	3422.3	3414.3	3369.8	3293.0	3175.9	3117.7	3103.1
15°	3309.2	3285.0	3216.3	3200.1	3260.7	3317.3	3301.1	3204.2	3149.2	3135.5
17.5°	3188.0	3062.7	2937.5	2921.3	3022.3	3179.9	3305.2	3248.6	3196.9	3183.9
20°	3054.7	2820.3	2682.9	2654.6	2779.9	3014.2	3260.7	3293.0	3257.5	3248.6
22.5°	2897.1	2622.3	2476.9	2460.7	2553.6	2828.4	3196.1	3341.5	3325.4	3321.3
25°	2759.7	2448.6	2311.2	2286.9	2408.2	2674.8	3131.4	3422.3	3412.6	3410.2
27.5°	2646.6	2323.3	2177.9	2161.7	2278.9	2545.5	3050.6	3491.0	3523.4	3531.4
30°	2557.7	2230.4	2084.9	2064.7	2194.0	2456.7	2994.0	3588.0	3649.4	3664.8
32.5°	2489.0	2177.9	2040.5	2028.4	2165.7	2420.3	2961.7	3689.0	3815.1	3846.6
35°	2464.7	2194.0	2101.1	2129.4	2234.4	2456.7	2986.0	3854.7	4029.2	4072.9
37.5°	2517.3	2371.8	2436.4	2509.2	2549.6	2630.4	3099.1	4121.4	4347.6	4404.2
40°	2687.0	2848.6	3151.6	3293.0	3276.9	3091.0	3357.7	4497.1	4820.4	4901.2
42.5°	3119.3	3644.6	4287.0	4525.4	4388.0	3826.4	3769.8	5115.3	5483.8	5575.9
45°	3761.7	4606.2	5660.8	6198.2	5725.4	4759.8	4420.4	5996.2	6351.7	6440.6
47.5°	4404.2	5681.0	7357.8	7996.2	7066.9	5685.0	5272.9	7050.7	7370.8	7450.8
50°	5058.8	6868.9	9050.8	9903.4	8404.3	6626.5	6178.0	8351.8	8584.5	8642.7
52.5°	5733.5	7931.6	10917.5	11652.9	9802.4	7353.8	7212.4	9770.0	9909.0	9943.8
55°	6485.1	8937.7	12788.3	13382.3	11075.1	7988.2	8424.5	11252.9	11217.4	11208.5
57.5°	7487.1	9996.3	14295.4	15123.8	12230.7	8844.7	10044.8	12901.5	12206.5	12032.7
60°	9236.7	11640.8	16170.3	17071.3	13778.3	10097.3	11236.8	12865.1	11623.8	11313.5
62.5°	11265.0	13224.7	17867.3	18626.9	15406.6	11341.8	10287.2	10804.4	9576.1	9269.0
65°	9786.2	12945.9	17919.8	18699.6	15467.2	10582.2	7604.3	7660.9	6626.5	6367.9
67.5°	8327.6	11475.1	16319.8	16933.9	13798.5	8747.8	5042.6	4998.2	4348.4	4186.0
70°	7414.4	10052.9	14065.1	13535.8	11600.4	7394.2	3349.6	2775.9	2371.8	2270.8
72.5°	6662.9	7976.0	11398.4	9329.6	9624.6	6016.4	2129.4	1891.0	1577.4	1499.0
75°	6032.5	6598.2	7111.4	6448.7	6836.6	4957.7	1806.1	1458.6	1193.6	1127.3
77.5°	4800.2	5135.5	4210.2	4089.0	4788.0	3527.4	897.0	614.2	536.6	517.2
80°	2856.7	2428.4	2388.0	2723.3	3188.0	1830.4	549.5	339.4	307.1	299.0
82.5°	1729.4	876.8	953.6	1204.1	1697.0	832.4	327.3	145.5	129.3	125.3
85°	290.9	238.4	367.7	351.5	331.3	177.8	88.9	40.4	37.2	36.4
87.5°	8.1	12.1	16.2	20.2	20.2	20.2	20.2	20.2	23.4	24.2
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

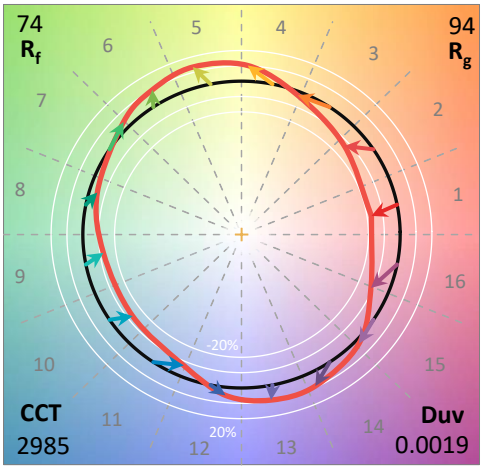
Test Information

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

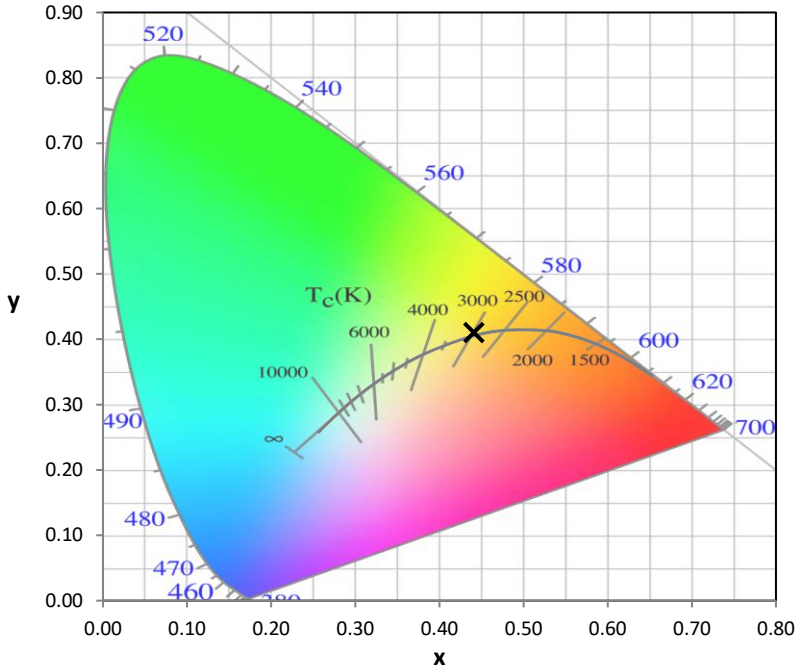
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

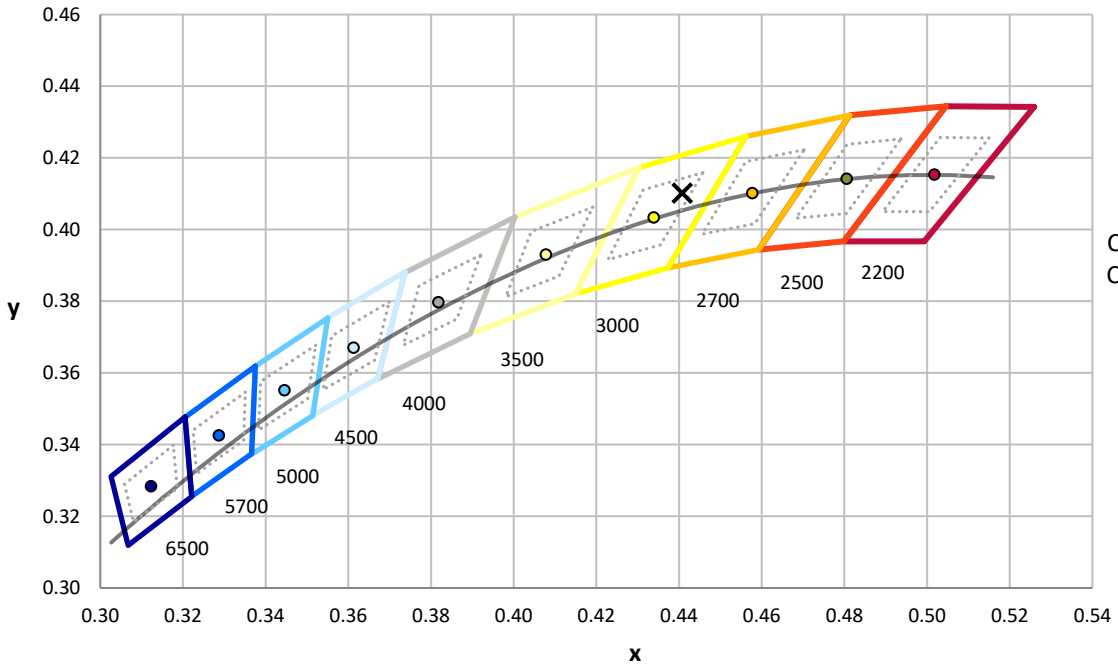
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

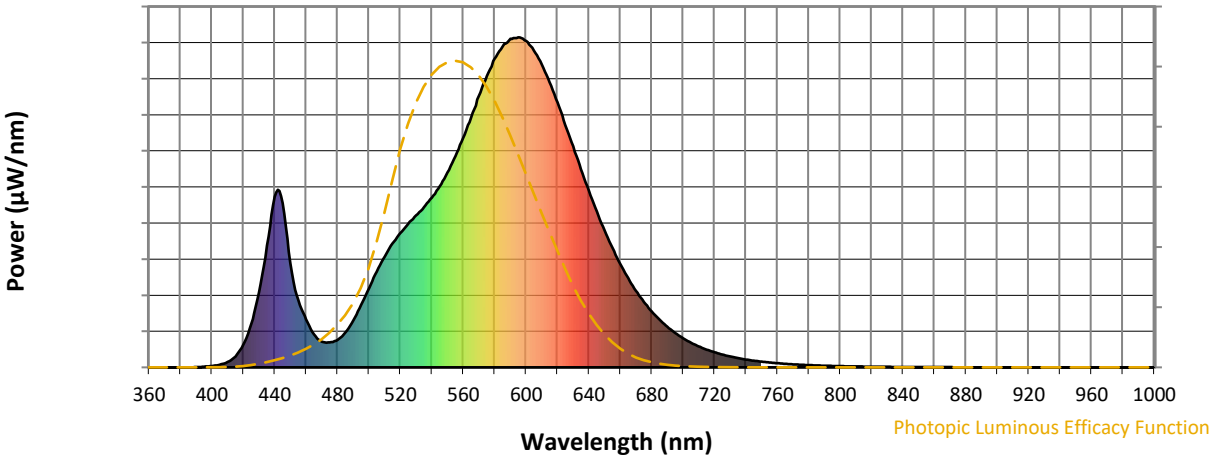


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

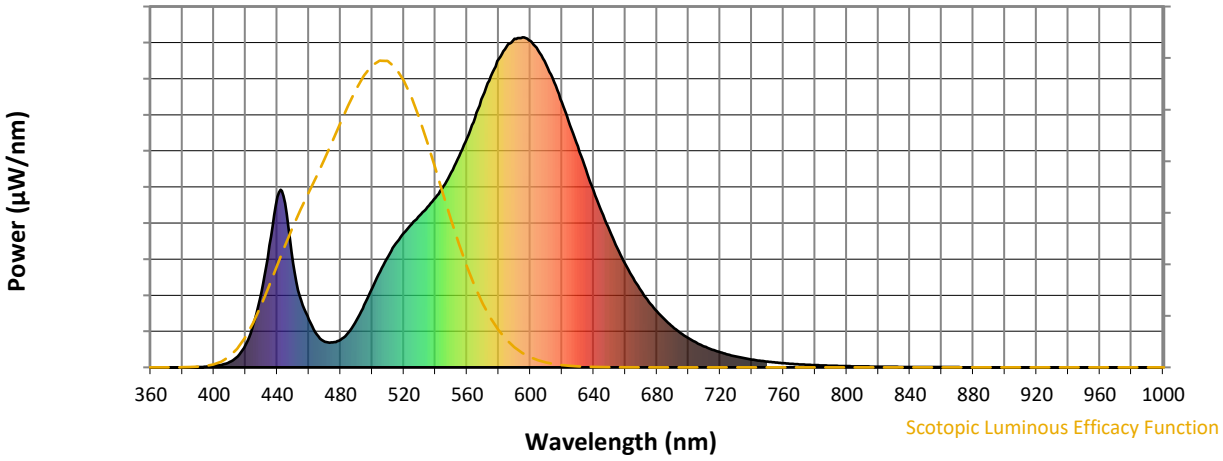


Photopic Lumens: NR

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

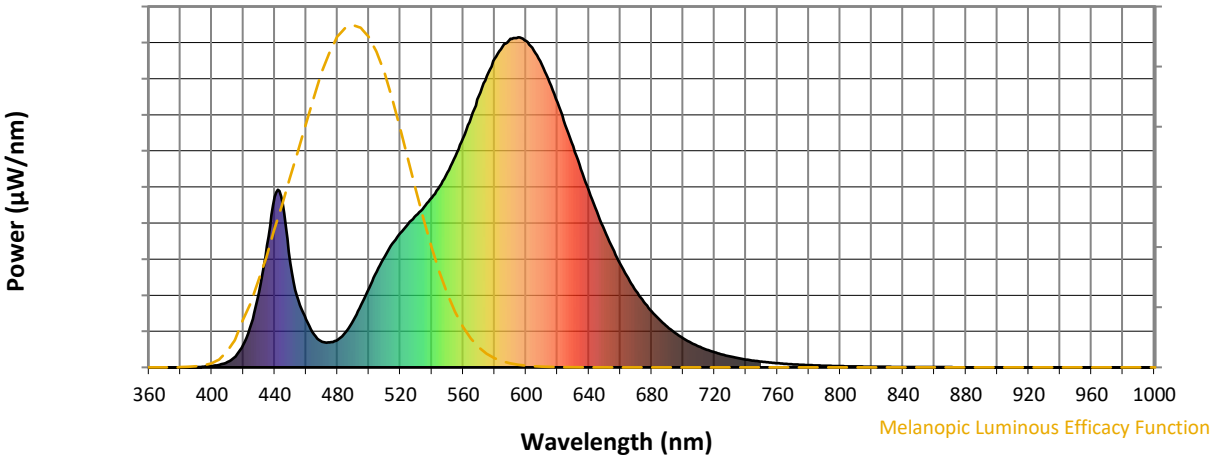


Scotopic Lumens: NR **S/P: 1.19**

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			

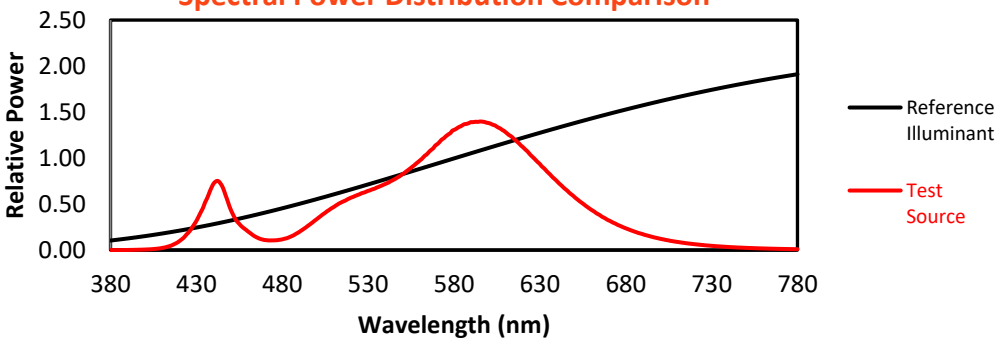
REPORT NUMBER: SP1-2407-184-4

TM-30-18

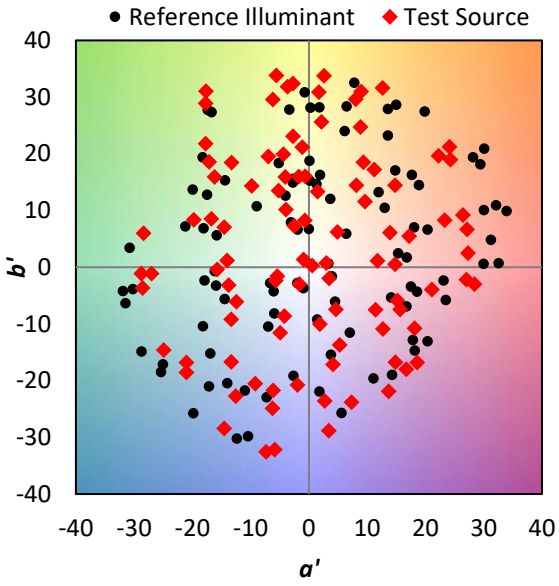
Summary

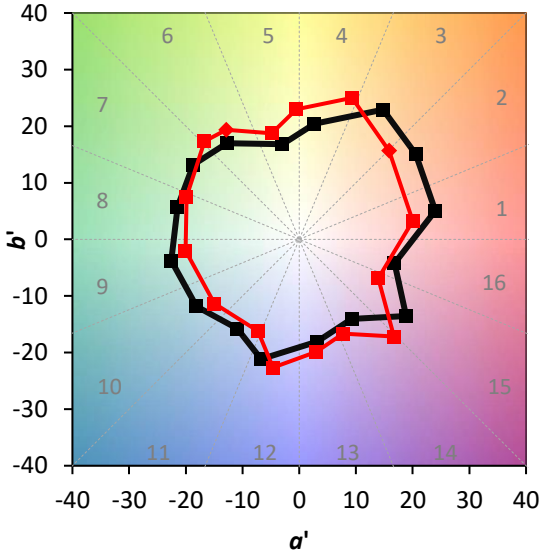
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

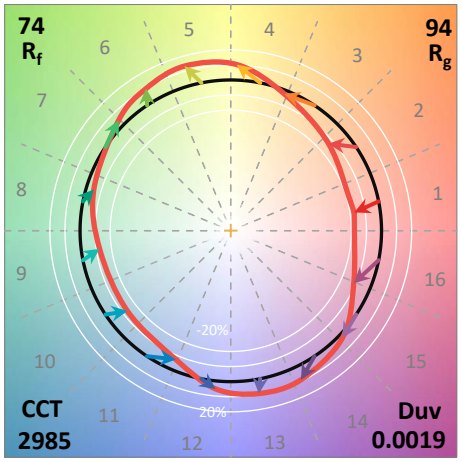
Spectral Power Distribution Comparison

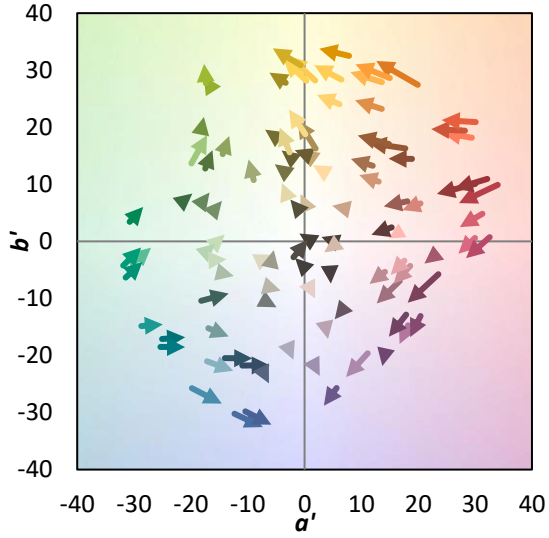


Color Vector Graphics







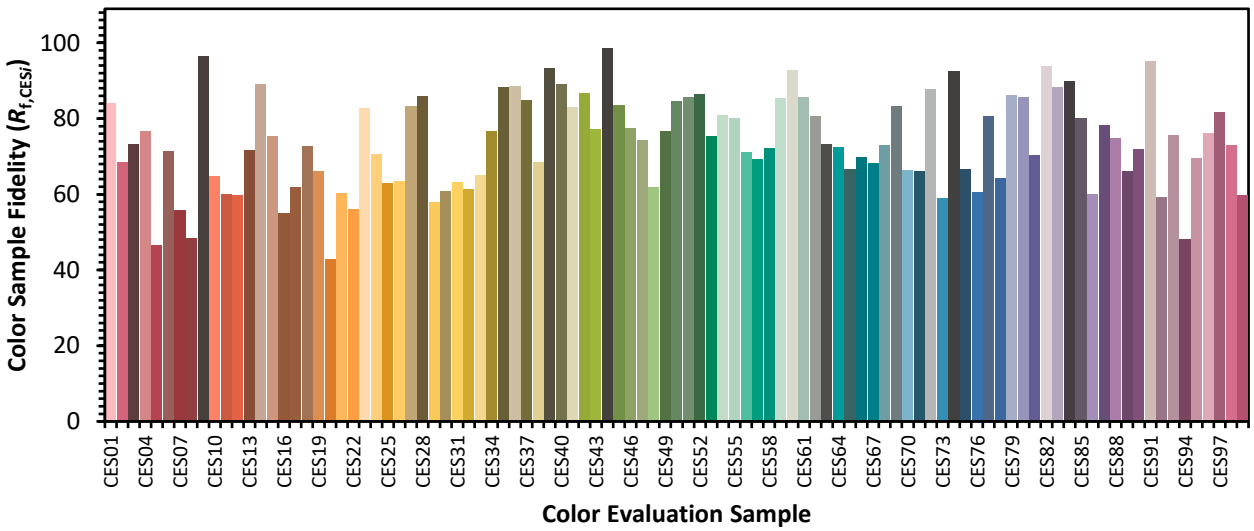


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

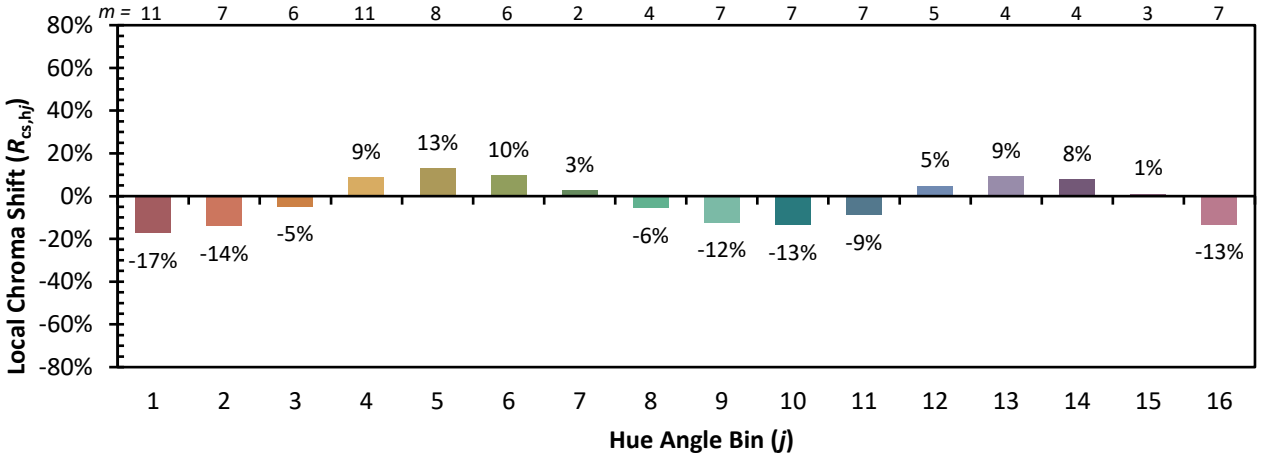
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 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
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

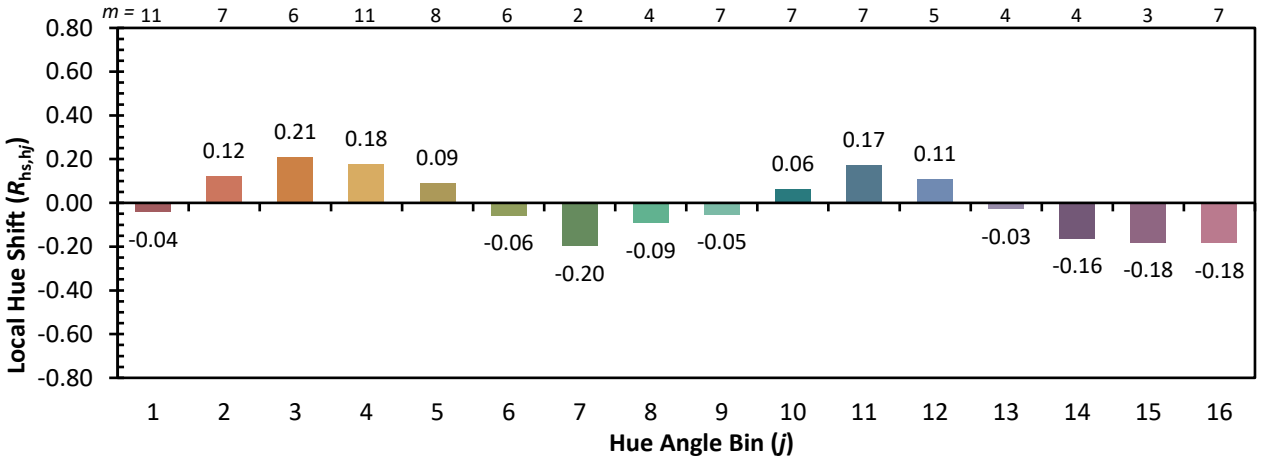


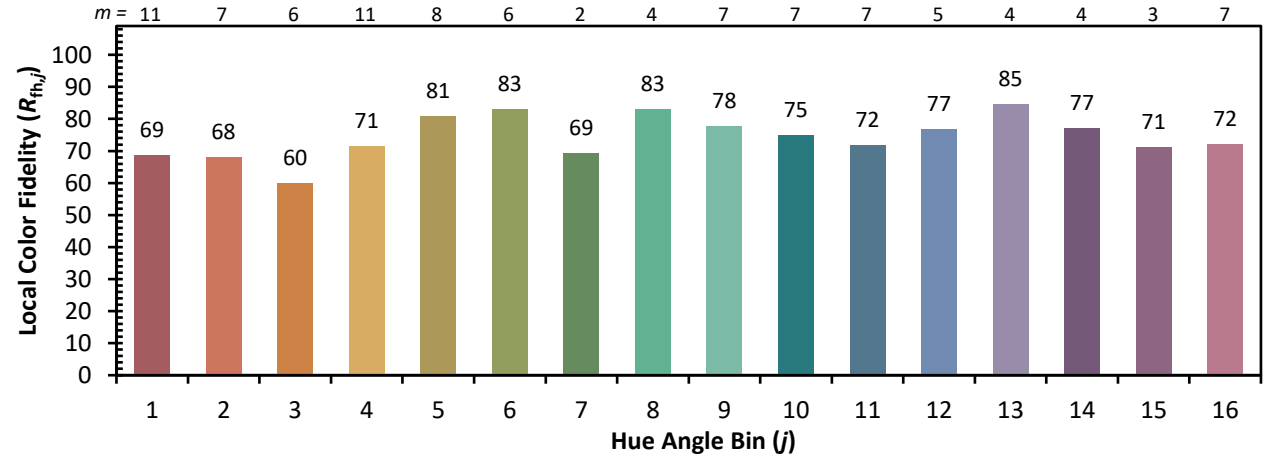
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



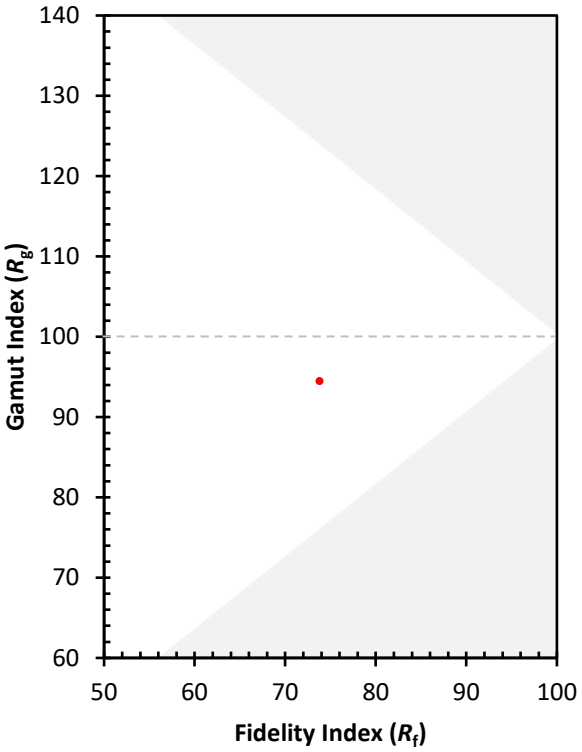


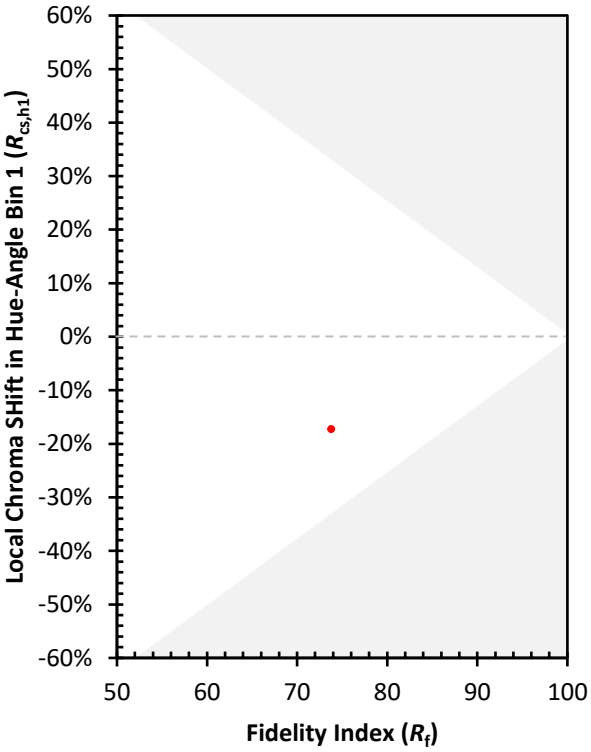


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)