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: P1364595

Luminaire Tested: **GSS-SB6A-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:	P1364595
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-730-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19737 lumens
Efficiency:	N/A
Efficacy:	116.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

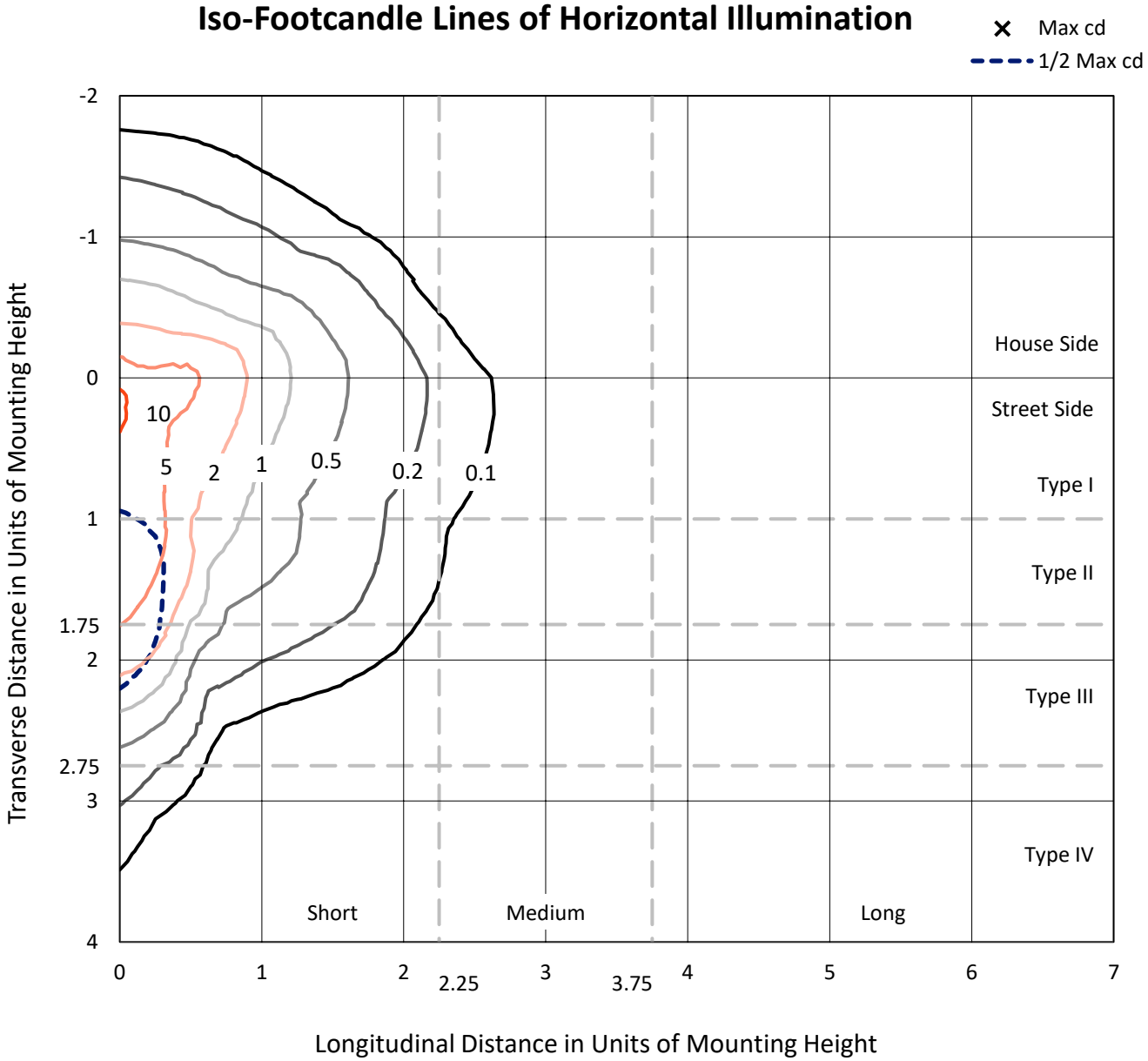
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



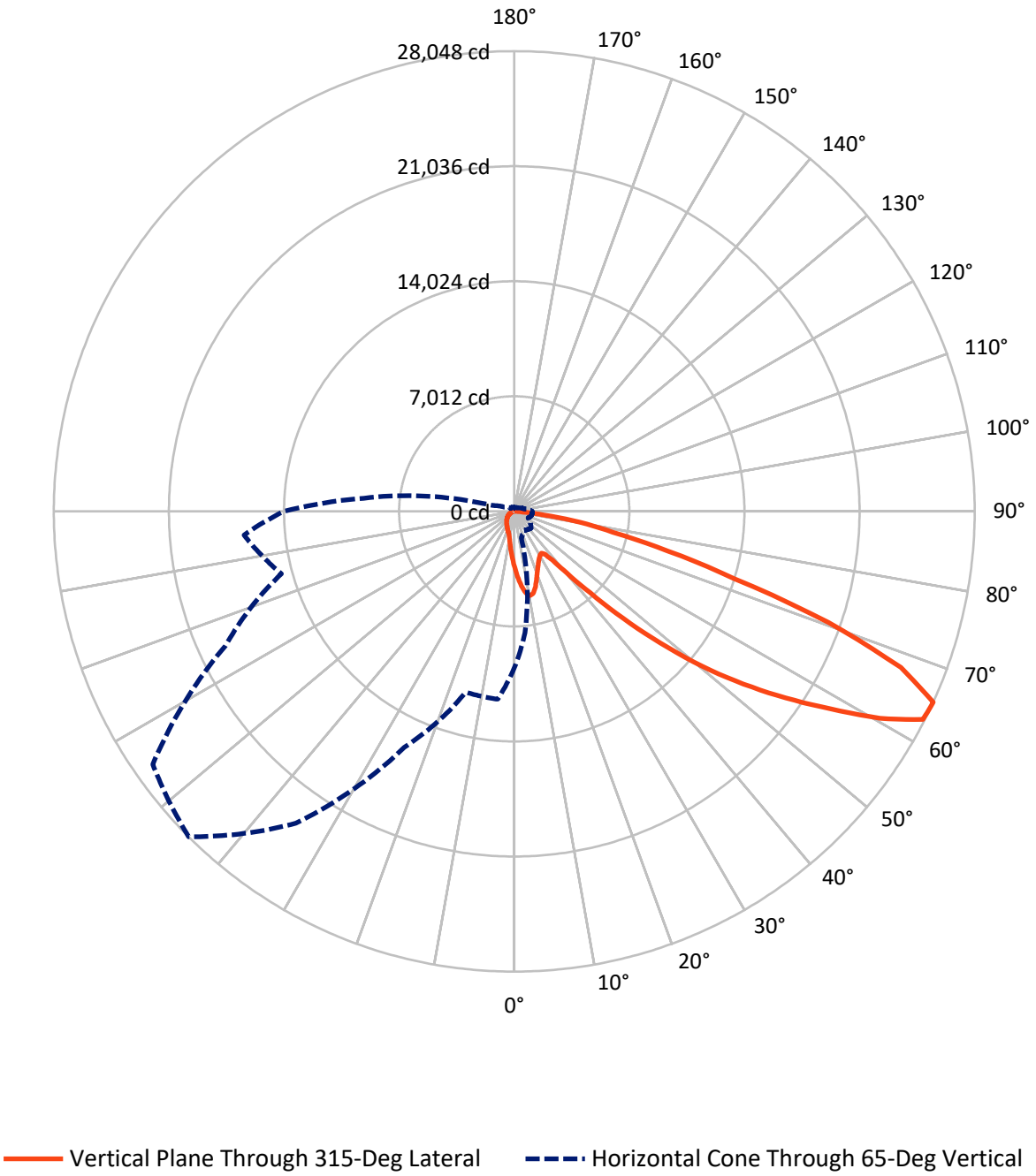
Based on 20 foot mounting height. Maximum calculated value = 10.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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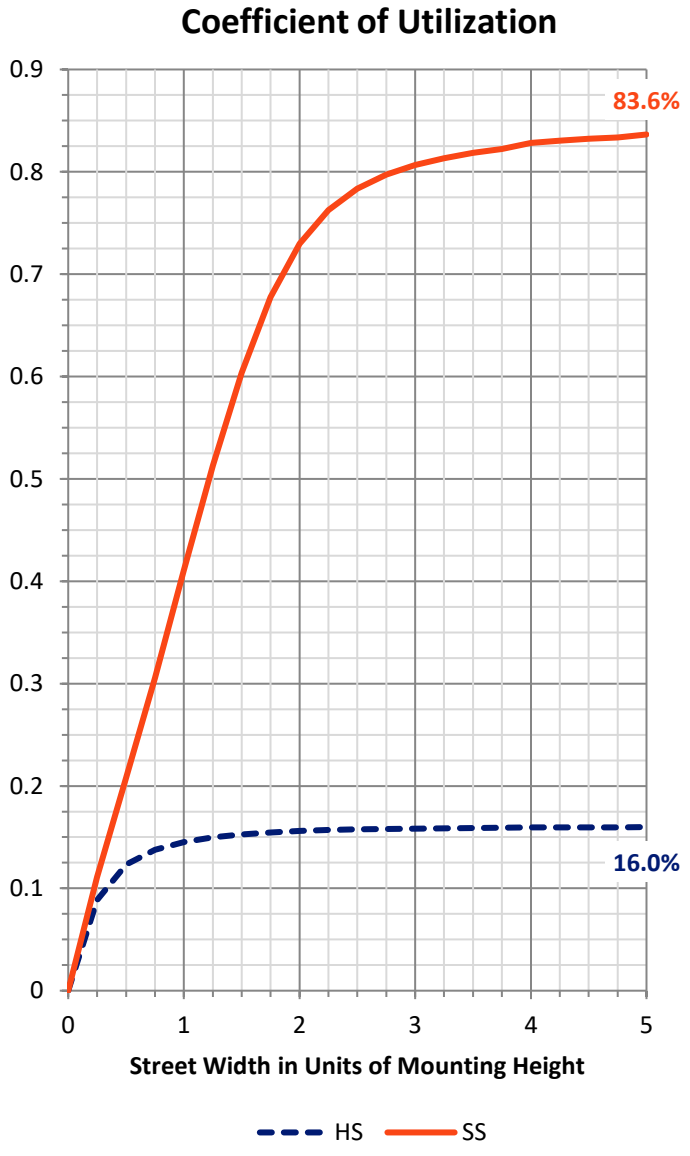
REPORT NUMBER: P1364595
CATALOG NUMBER: GSS-SB6A-730-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3190.6	0.0	3190.6
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	16546.4	0.0	16546.4
	% Fixture	83.8	0.0	83.8
Total	Lumens	19737.0	0.0	19737.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.9	1.7
10°-20°	906.9	4.6
20°-30°	1298.9	6.6
30°-40°	1629.2	8.3
40°-50°	2676.3	13.6
50°-60°	4829.7	24.5
60°-70°	5359.9	27.2
70°-80°	2421.7	12.3
80°-90°	286.3	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°	19737.0	100.0
0°-180°	19737.0	100.0



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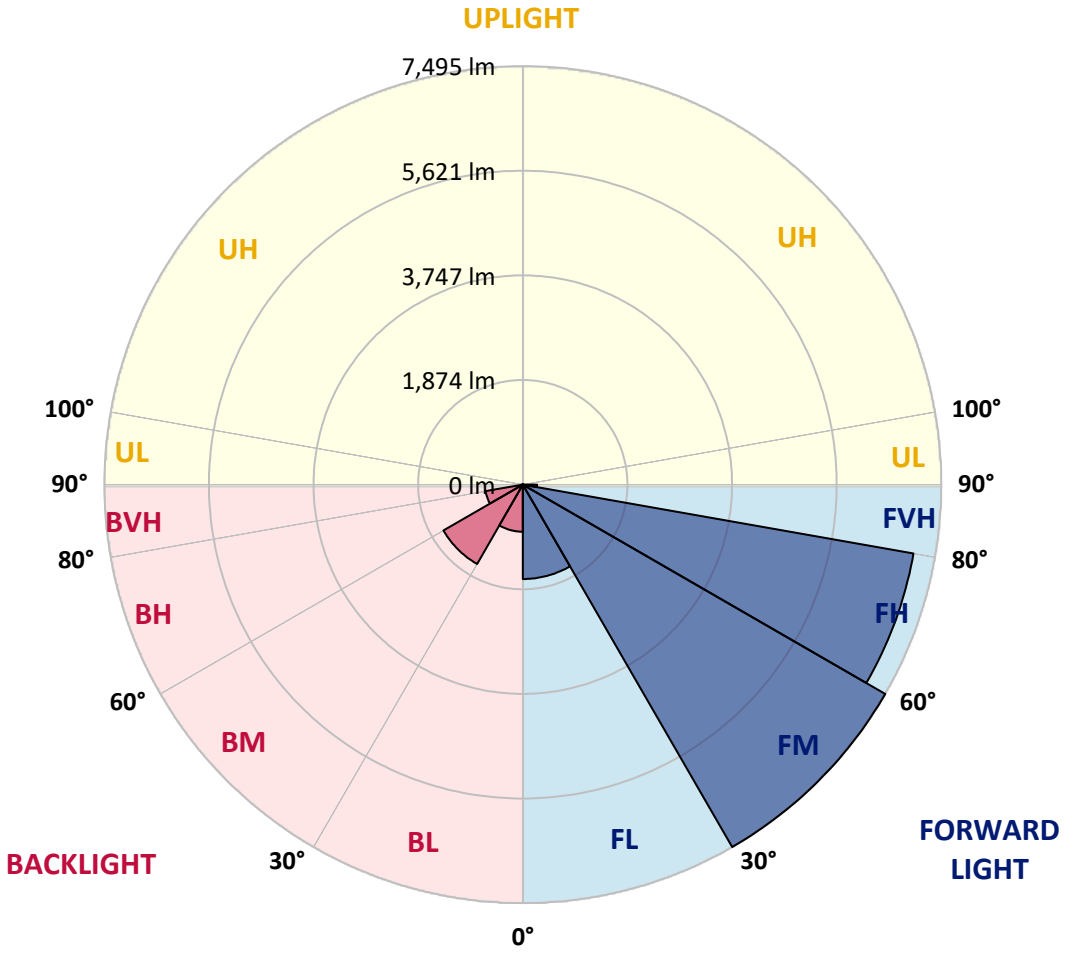
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1690.6	8.6			
FM	(30°-60°)	7494.7	38.0			
FH	(60°-80°)	7104.0	36.0			G3/7500
FVH	(80°-90°)	257.0	1.3			G3/500
BL	(0°-30°)	843.1	4.3	B2/1000		
BM	(30°-60°)	1640.6	8.3	B2/2500		
BH	(60°-80°)	677.6	3.4	B2/1000		G2/1000
BVH	(80°-90°)	29.3	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°	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1
2.5°	3848.5	3844.8	3830.3	3739.4	3648.5	3569.7	3490.9	3412.1	3303.0	3218.2	3145.4
5°	4212.1	4192.7	4115.1	3975.7	3824.2	3690.9	3539.4	3393.9	3230.3	3097.0	2957.6
7.5°	4460.6	4441.2	4363.6	4133.3	3903.0	3739.4	3575.8	3424.2	3242.4	3066.7	2866.7
10°	4575.7	4553.9	4466.7	4218.2	3951.5	3751.5	3587.9	3448.5	3297.0	3121.2	2872.7
12.5°	4654.5	4627.9	4521.2	4236.4	3963.6	3763.6	3593.9	3460.6	3351.5	3248.5	3006.1
15°	4703.0	4678.8	4581.8	4284.8	3969.7	3745.4	3545.4	3418.2	3381.8	3400.0	3284.8
17.5°	4775.7	4752.7	4660.6	4345.4	4006.1	3715.1	3442.4	3303.0	3381.8	3545.4	3581.8
20°	4872.7	4848.5	4751.5	4424.2	4036.4	3624.2	3248.5	3115.1	3315.1	3587.9	3775.7
22.5°	4981.8	4962.4	4884.8	4515.1	4066.7	3490.9	2993.9	2933.3	3175.8	3466.7	3709.1
25°	5115.1	5097.0	5024.2	4642.4	4097.0	3309.1	2775.8	2787.9	2993.9	3224.2	3472.7
27.5°	5297.0	5280.0	5212.1	4800.0	4133.3	3121.2	2600.0	2660.6	2812.1	2969.7	3121.2
30°	5497.0	5483.6	5430.3	4987.9	4206.1	2945.4	2497.0	2533.3	2636.4	2763.6	2854.5
32.5°	5769.7	5747.9	5660.6	5163.6	4200.0	2812.1	2448.5	2412.1	2442.4	2545.4	2636.4
35°	6109.1	6092.1	6024.2	5345.4	4090.9	2690.9	2424.2	2297.0	2278.8	2339.4	2430.3
37.5°	6606.0	6591.5	6533.3	5642.4	3921.2	2539.4	2363.6	2175.8	2115.1	2157.6	2218.2
40°	7351.5	7313.9	7163.6	5981.8	3733.3	2387.9	2254.5	2030.3	1945.5	1975.8	2042.4
42.5°	8363.6	8292.1	8006.0	6436.4	3478.8	2242.4	2090.9	1884.8	1793.9	1812.1	1872.7
45°	9660.6	9552.7	9121.2	7060.6	3212.1	2127.3	1921.2	1733.3	1636.4	1654.5	1721.2
47.5°	11175.7	11027.9	10436.3	7715.1	2927.3	2060.6	1787.9	1581.8	1509.1	1551.5	1618.2
50°	12963.6	12814.5	12218.2	8133.3	2697.0	2018.2	1684.8	1442.4	1412.1	1466.7	1521.2
52.5°	14915.1	14703.0	13854.5	7866.7	2509.1	1981.8	1648.5	1345.5	1357.6	1400.0	1454.5
55°	16812.1	16340.6	14454.5	6981.8	2266.7	1939.4	1672.7	1272.7	1303.0	1357.6	1400.0
57.5°	18048.4	17229.1	13951.5	5624.2	2012.1	1890.9	1690.9	1236.4	1260.6	1321.2	1369.7
60°	16969.7	16145.4	12848.5	4212.1	1793.9	1787.9	1660.6	1224.2	1187.9	1272.7	1315.1
62.5°	13903.0	13224.2	10509.1	2690.9	1587.9	1593.9	1593.9	1218.2	1066.7	1175.8	1212.1
65°	*9551.5*	*9127.3*	*7430.3*	*1666.7*	*1297.0*	*1357.6*	*1448.5*	*1181.8*	*939.4*	*1066.7*	*1103.0*
67.5°	6278.8	5967.3	4721.2	1030.3	1000.0	1115.1	1254.5	1109.1	842.4	957.6	981.8
70°	3406.1	3169.7	2224.2	678.8	654.5	872.7	987.9	939.4	757.6	854.5	878.8
72.5°	2248.5	2054.5	1278.8	478.8	478.8	684.8	690.9	769.7	678.8	757.6	781.8
75°	1690.9	1517.6	824.2	333.3	369.7	436.4	539.4	551.5	569.7	642.4	672.7
77.5°	775.8	681.2	303.0	200.0	272.7	303.0	412.1	351.5	424.2	478.8	490.9
80°	448.5	392.7	169.7	133.3	175.8	193.9	339.4	206.1	254.5	339.4	357.6
82.5°	187.9	167.3	84.8	90.9	109.1	115.2	187.9	145.5	163.6	224.2	218.2
85°	54.5	54.5	54.5	60.6	66.7	66.7	109.1	103.0	97.0	103.0	103.0
87.5°	36.4	36.4	36.4	36.4	42.4	42.4	48.5	54.5	60.6	60.6	60.6
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°	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1
2.5°	3115.1	3072.7	3018.2	2939.4	2927.3	2884.8	2854.5	2884.8	2915.1	2969.7	2975.8
5°	2884.8	2818.2	2690.9	2593.9	2484.8	2430.3	2424.2	2412.1	2448.5	2527.3	2575.8
7.5°	2757.6	2648.5	2418.2	2248.5	2097.0	2042.4	2000.0	2036.4	2030.3	2133.3	2175.8
10°	2727.3	2557.6	2236.4	1981.8	1793.9	1721.2	1678.8	1672.7	1684.8	1745.5	1787.9
12.5°	2836.4	2618.2	2163.6	1787.9	1569.7	1490.9	1442.4	1400.0	1400.0	1412.1	1466.7
15°	3078.8	2818.2	2206.1	1697.0	1460.6	1357.6	1278.8	1224.2	1181.8	1187.9	1193.9
17.5°	3418.2	3109.1	2315.1	1666.7	1393.9	1284.8	1187.9	1133.3	1084.8	1072.7	1072.7
20°	3684.8	3387.9	2400.0	1642.4	1339.4	1200.0	1115.1	1066.7	1024.2	1006.1	1006.1
22.5°	3715.1	3503.0	2472.7	1612.1	1272.7	1115.1	1036.4	993.9	963.6	957.6	957.6
25°	3515.1	3412.1	2448.5	1575.8	1206.1	1036.4	975.8	939.4	909.1	903.0	909.1
27.5°	3181.8	3127.3	2363.6	1527.3	1151.5	975.8	921.2	890.9	860.6	854.5	860.6
30°	2884.8	2824.2	2218.2	1448.5	1109.1	927.3	866.7	836.4	806.1	806.1	812.1
32.5°	2642.4	2581.8	2072.7	1357.6	1054.5	872.7	818.2	787.9	757.6	757.6	769.7
35°	2424.2	2375.8	1957.6	1266.7	1000.0	824.2	763.6	739.4	715.2	709.1	721.2
37.5°	2236.4	2212.1	1854.5	1169.7	945.5	775.8	721.2	697.0	666.7	660.6	672.7
40°	2054.5	2042.4	1739.4	1084.8	878.8	727.3	672.7	648.5	612.1	612.1	624.2
42.5°	1884.8	1878.8	1636.4	1030.3	818.2	678.8	618.2	593.9	563.6	563.6	575.8
45°	1751.5	1745.5	1539.4	1000.0	757.6	624.2	569.7	539.4	515.2	521.2	533.3
47.5°	1630.3	1618.2	1436.4	1006.1	727.3	587.9	515.2	484.8	466.7	478.8	497.0
50°	1533.3	1521.2	1363.6	1012.1	678.8	539.4	472.7	442.4	430.3	448.5	466.7
52.5°	1472.7	1460.6	1290.9	975.8	618.2	503.0	430.3	412.1	412.1	430.3	442.4
55°	1412.1	1400.0	1169.7	897.0	551.5	466.7	400.0	387.9	387.9	406.1	418.2
57.5°	1375.8	1351.5	1042.4	806.1	497.0	424.2	369.7	369.7	369.7	375.8	381.8
60°	1321.2	1260.6	909.1	690.9	454.5	381.8	345.5	339.4	339.4	333.3	339.4
62.5°	1206.1	1103.0	763.6	587.9	406.1	345.5	315.2	309.1	290.9	272.7	278.8
65°	*1090.9*	*933.3*	*606.1*	*490.9*	*351.5*	*297.0*	*278.8*	*272.7*	*242.4*	*218.2*	*224.2*
67.5°	945.5	745.5	454.5	412.1	303.0	254.5	236.4	236.4	218.2	200.0	200.0
70°	842.4	581.8	381.8	309.1	242.4	200.0	200.0	212.1	193.9	169.7	169.7
72.5°	745.5	472.7	309.1	248.5	187.9	157.6	169.7	175.8	157.6	139.4	139.4
75°	636.4	369.7	242.4	193.9	139.4	121.2	127.3	139.4	127.3	109.1	115.2
77.5°	460.6	254.5	163.6	127.3	103.0	90.9	97.0	97.0	90.9	84.8	84.8
80°	321.2	169.7	109.1	84.8	72.7	66.7	66.7	60.6	60.6	66.7	66.7
82.5°	193.9	121.2	78.8	66.7	54.5	42.4	42.4	48.5	48.5	54.5	54.5
85°	84.8	72.7	54.5	48.5	36.4	30.3	36.4	36.4	42.4	48.5	48.5
87.5°	54.5	54.5	42.4	36.4	30.3	24.2	24.2	30.3	30.3	36.4	42.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1
2.5°	3000.0	3060.6	3133.3	3236.4	3327.3	3436.4	3545.4	3648.5	3745.4	3757.6	3800.0
5°	2612.1	2727.3	2872.7	3042.4	3248.5	3466.7	3678.8	3903.0	4084.8	4151.5	4248.5
7.5°	2212.1	2357.6	2569.7	2830.3	3121.2	3448.5	3775.7	4090.9	4363.6	4490.9	4618.2
10°	1830.3	1969.7	2230.3	2545.4	2921.2	3363.6	3800.0	4224.2	4557.6	4703.0	4824.2
12.5°	1484.8	1624.2	1836.4	2200.0	2654.5	3187.9	3763.6	4272.7	4642.4	4793.9	4909.1
15°	1212.1	1327.3	1527.3	1866.7	2345.4	2945.4	3636.4	4236.4	4660.6	4806.1	4890.9
17.5°	1066.7	1097.0	1224.2	1533.3	2054.5	2727.3	3472.7	4187.9	4672.7	4806.1	4854.5
20°	1006.1	1006.1	1030.3	1193.9	1703.0	2497.0	3351.5	4157.6	4690.9	4824.2	4818.2
22.5°	951.5	963.6	963.6	1000.0	1297.0	2175.8	3224.2	4145.4	4745.4	4848.5	4763.6
25°	903.0	921.2	921.2	933.3	1018.2	1793.9	3066.7	4169.7	4842.4	4897.0	4727.3
27.5°	860.6	878.8	878.8	890.9	909.1	1333.3	2806.1	4175.7	4951.5	4957.6	4678.8
30°	818.2	836.4	848.5	848.5	860.6	981.8	2478.8	4139.4	5072.7	5036.4	4672.7
32.5°	769.7	793.9	800.0	812.1	818.2	854.5	2054.5	4078.8	5224.2	5145.4	4678.8
35°	727.3	757.6	763.6	763.6	775.8	812.1	1642.4	4012.1	5430.3	5290.9	4703.0
37.5°	684.8	709.1	715.2	721.2	733.3	769.7	1303.0	3915.1	5606.0	5472.7	4824.2
40°	636.4	666.7	672.7	678.8	690.9	727.3	1121.2	3793.9	5872.7	5775.7	5006.1
42.5°	587.9	618.2	630.3	636.4	642.4	690.9	1024.2	3709.1	6303.0	6200.0	5375.7
45°	545.5	575.8	587.9	587.9	600.0	666.7	939.4	3897.0	6897.0	6848.5	5872.7
47.5°	509.1	539.4	545.5	545.5	551.5	630.3	866.7	4400.0	7806.0	7678.8	6648.5
50°	478.8	503.0	515.2	503.0	509.1	600.0	909.1	5230.3	8969.7	9012.1	7787.9
52.5°	454.5	478.8	484.8	460.6	460.6	557.6	963.6	5909.1	10454.5	10842.4	9593.9
55°	424.2	448.5	454.5	424.2	424.2	490.9	836.4	5951.5	12145.4	13393.9	11945.4
57.5°	393.9	418.2	418.2	393.9	387.9	424.2	678.8	5278.8	13454.5	16284.8	15163.6
60°	357.6	381.8	375.8	363.6	351.5	387.9	624.2	4024.2	13278.8	18169.7	18854.5
62.5°	290.9	327.3	339.4	333.3	309.1	351.5	581.8	2624.2	11490.9	16533.3	18739.4
65°	*242.4*	*272.7*	*290.9*	*290.9*	*272.7*	*387.9*	*509.1*	*1381.8*	*9200.0*	*14030.3*	*16521.2*
67.5°	212.1	242.4	254.5	248.5	236.4	345.5	321.2	666.7	7054.5	12090.9	14787.8
70°	187.9	212.1	224.2	206.1	193.9	278.8	230.3	393.9	4721.2	10090.9	13169.7
72.5°	151.5	175.8	187.9	169.7	151.5	206.1	175.8	260.6	3072.7	8600.0	11703.0
75°	121.2	145.5	151.5	139.4	121.2	151.5	139.4	181.8	2006.1	7115.1	9951.5
77.5°	90.9	103.0	115.2	109.1	90.9	109.1	97.0	127.3	1145.5	4993.9	6981.8
80°	72.7	78.8	78.8	78.8	72.7	66.7	66.7	84.8	515.2	2460.6	3642.4
82.5°	60.6	66.7	66.7	60.6	54.5	48.5	42.4	48.5	151.5	1103.0	1678.8
85°	54.5	60.6	48.5	42.4	36.4	30.3	18.2	18.2	42.4	175.8	327.3
87.5°	42.4	36.4	30.3	24.2	12.1	6.1	6.1	0.0	6.1	6.1	6.1
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: P1364595
CATALOG NUMBER: GSS-SB6A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1	3412.1
2.5°	3866.7	3927.3	3969.7	4006.1	3993.9	3963.6	3903.0	3860.6	3850.9	3848.5
5°	4375.7	4472.7	4557.6	4545.4	4557.6	4466.7	4375.7	4266.7	4223.0	4212.1
7.5°	4800.0	4921.2	5024.2	5012.1	4975.7	4872.7	4721.2	4557.6	4480.0	4460.6
10°	5030.3	5169.7	5254.5	5224.2	5163.6	5030.3	4878.8	4684.8	4597.6	4575.7
12.5°	5072.7	5163.6	5145.4	5133.3	5121.2	5054.5	4939.4	4763.6	4676.4	4654.5
15°	4963.6	4927.3	4824.2	4800.0	4890.9	4975.7	4951.5	4806.1	4723.6	4703.0
17.5°	4781.8	4593.9	4406.1	4381.8	4533.3	4769.7	4957.6	4872.7	4795.1	4775.7
20°	4581.8	4230.3	4024.2	3981.8	4169.7	4521.2	4890.9	4939.4	4886.1	4872.7
22.5°	4345.4	3933.3	3715.1	3690.9	3830.3	4242.4	4793.9	5012.1	4987.9	4981.8
25°	4139.4	3672.7	3466.7	3430.3	3612.1	4012.1	4697.0	5133.3	5118.8	5115.1
27.5°	3969.7	3484.8	3266.7	3242.4	3418.2	3818.2	4575.7	5236.4	5284.8	5297.0
30°	3836.4	3345.4	3127.3	3097.0	3290.9	3684.8	4490.9	5381.8	5473.9	5497.0
32.5°	3733.3	3266.7	3060.6	3042.4	3248.5	3630.3	4442.4	5533.3	5722.4	5769.7
35°	3697.0	3290.9	3151.5	3193.9	3351.5	3684.8	4478.8	5781.8	6043.6	6109.1
37.5°	3775.7	3557.6	3654.5	3763.6	3824.2	3945.4	4648.5	6181.8	6521.2	6606.0
40°	4030.3	4272.7	4727.3	4939.4	4915.1	4636.4	5036.4	6745.4	7230.3	7351.5
42.5°	4678.8	5466.7	6430.3	6787.9	6581.8	5739.4	5654.5	7672.7	8225.4	8363.6
45°	5642.4	6909.1	8490.9	9297.0	8587.9	7139.4	6630.3	8993.9	9527.3	9660.6
47.5°	6606.0	8521.2	11036.3	11993.9	10600.0	8527.3	7909.1	10575.7	11055.7	11175.7
50°	7587.9	10303.0	13575.7	14854.5	12606.0	9939.4	9266.6	12527.2	12876.3	12963.6
52.5°	8600.0	11896.9	16375.7	17478.8	14703.0	11030.3	10818.2	14654.5	14863.0	14915.1
55°	9727.3	13406.0	19181.8	20072.7	16612.1	11981.8	12636.3	16878.8	16825.4	16812.1
57.5°	11230.3	14993.9	21442.4	22684.8	18345.4	13266.6	15066.6	19351.5	18309.1	18048.4
60°	13854.5	17460.6	24254.5	25606.0	20666.6	15145.4	16854.5	19296.9	17435.1	16969.7
62.5°	16896.9	19836.3	26799.9	27939.3	23109.0	17012.1	15430.3	16206.0	14363.6	13903.0
65°	14678.8	19418.1	26878.7	28048.4	23200.0	15872.7	11406.0	11490.9	9939.4	9551.5
67.5°	12490.9	17212.1	24478.7	25399.9	20696.9	13121.2	7563.6	7497.0	6522.4	6278.8
70°	11121.2	15078.8	21096.9	20303.0	17400.0	11090.9	5024.2	4163.6	3557.6	3406.1
72.5°	9993.9	11963.6	17096.9	13993.9	14436.3	9024.2	3193.9	2836.4	2366.1	2248.5
75°	9048.5	9896.9	10666.6	9672.7	10254.5	7436.3	2709.1	2187.9	1790.3	1690.9
77.5°	7200.0	7703.0	6315.1	6133.3	7181.8	5290.9	1345.5	921.2	804.8	775.8
80°	4284.8	3642.4	3581.8	4084.8	4781.8	2745.4	824.2	509.1	460.6	448.5
82.5°	2593.9	1315.1	1430.3	1806.1	2545.4	1248.5	490.9	218.2	193.9	187.9
85°	436.4	357.6	551.5	527.3	497.0	266.7	133.3	60.6	55.8	54.5
87.5°	12.1	18.2	24.2	30.3	30.3	30.3	30.3	30.3	35.2	36.4
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: SP1-2407-184-4

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

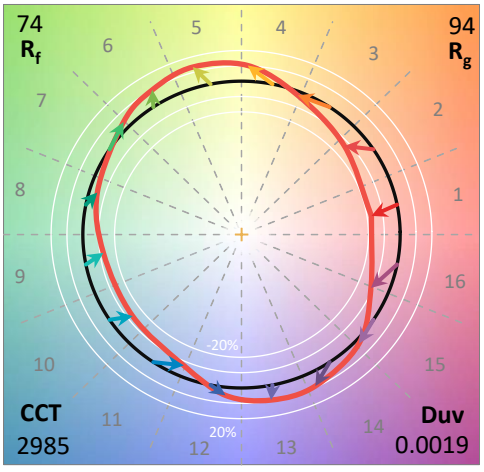
Test Information

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

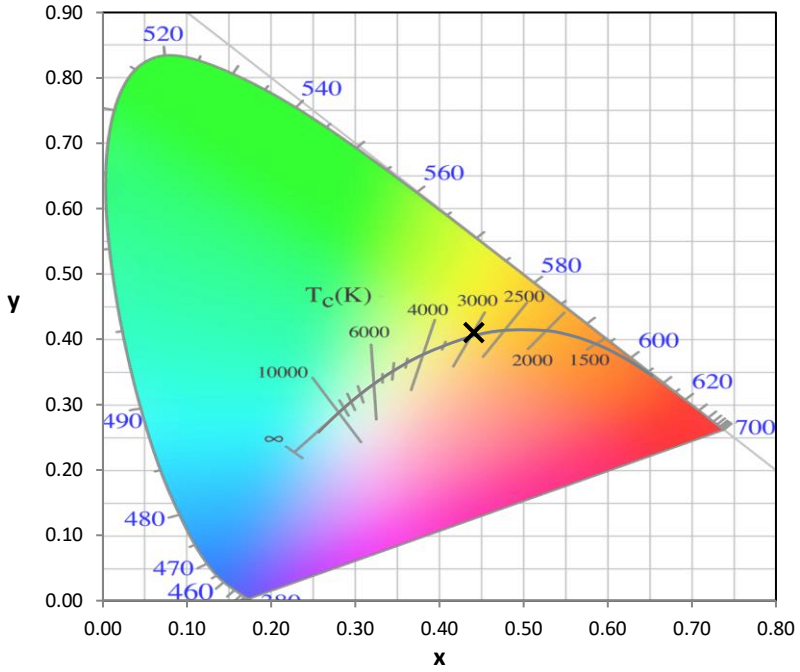
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

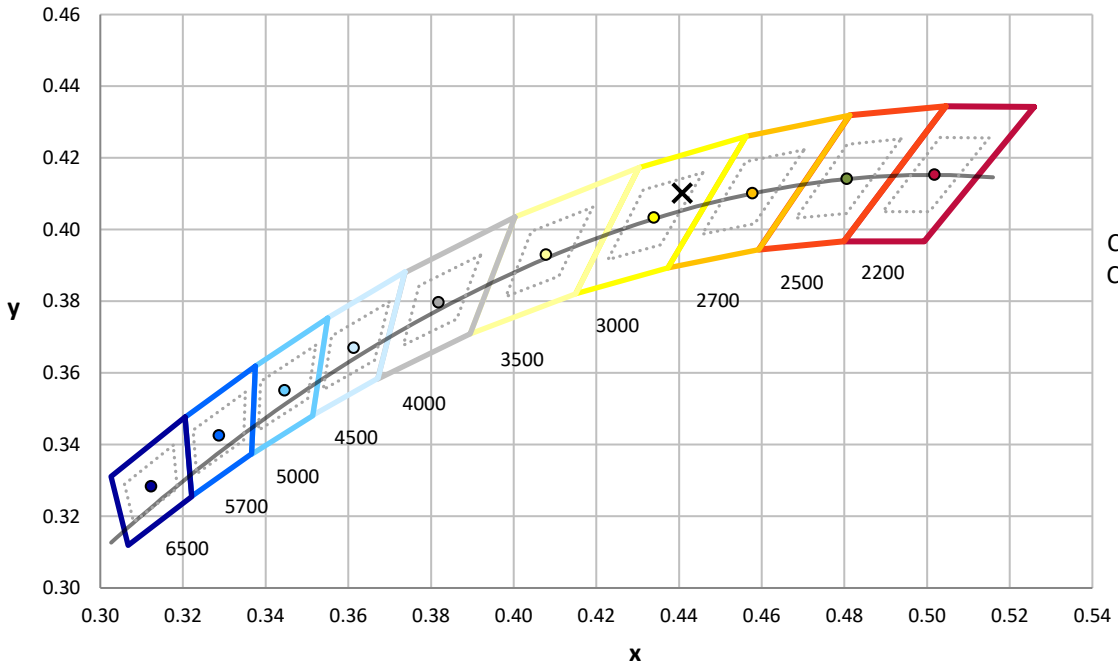
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

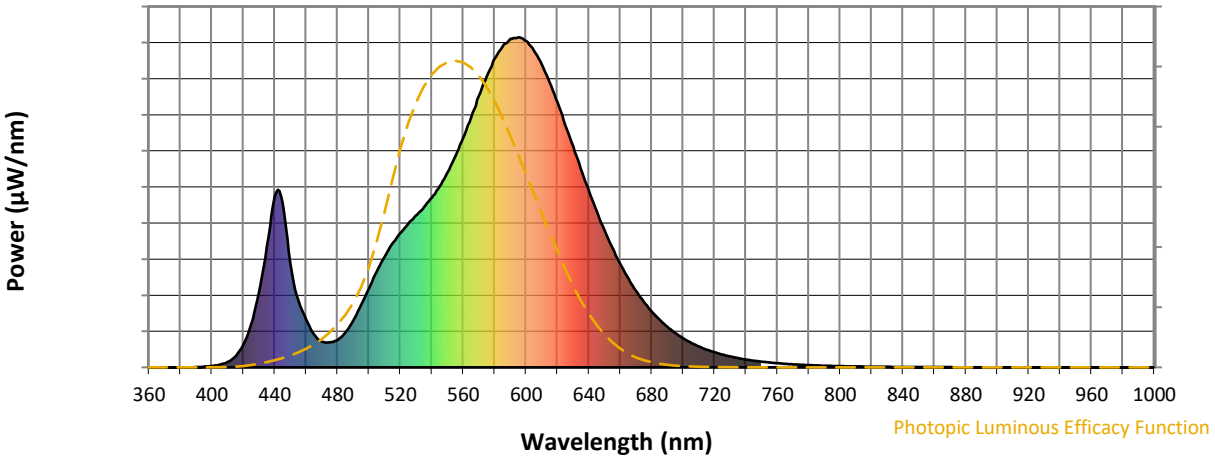


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

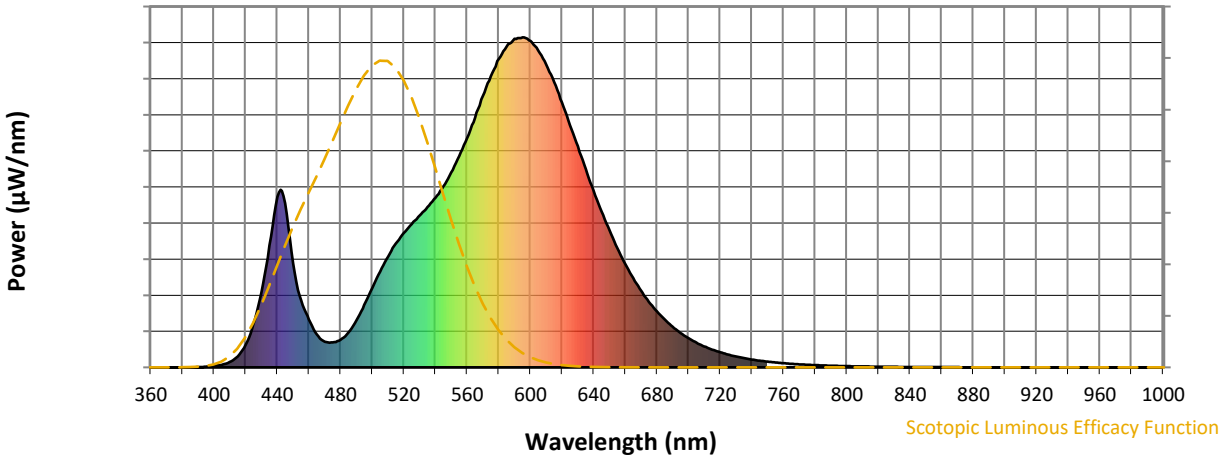


Photopic Lumens: NR

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

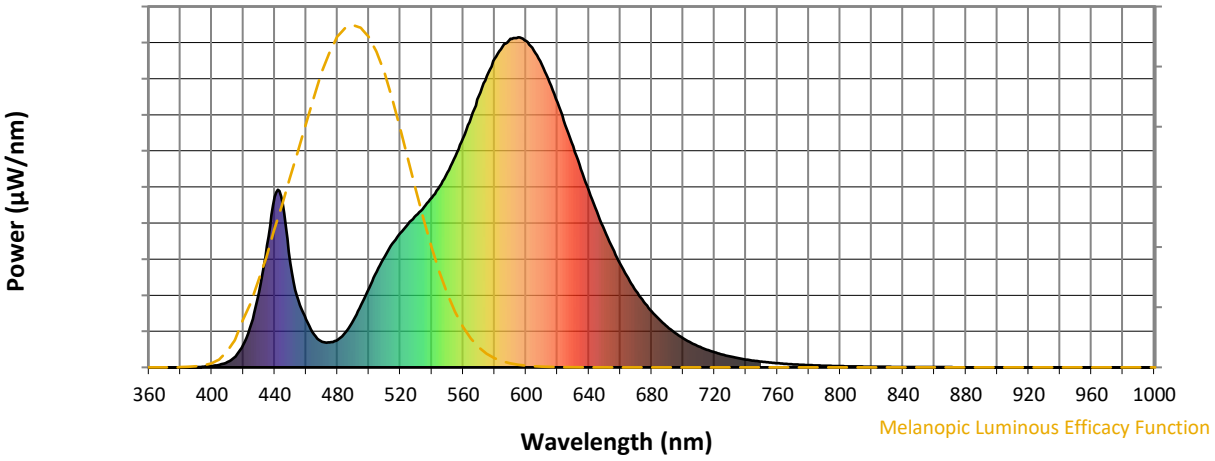


Scotopic Lumens: NR **S/P: 1.19**

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			

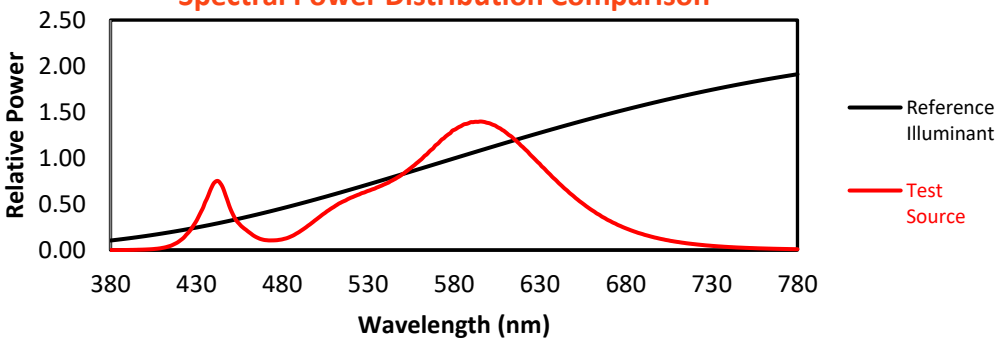
REPORT NUMBER: SP1-2407-184-4

TM-30-18

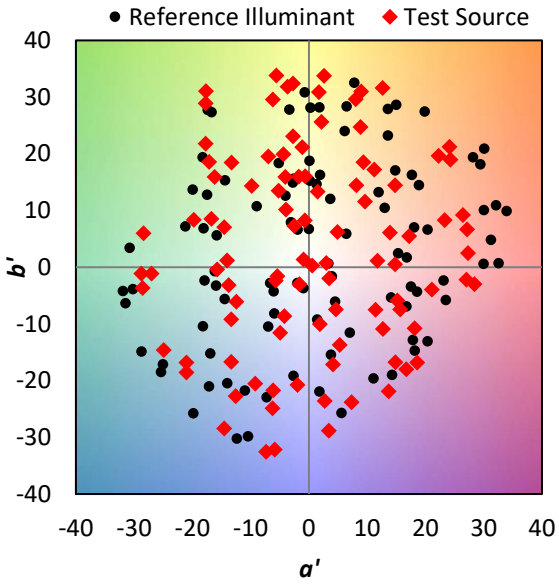
Summary

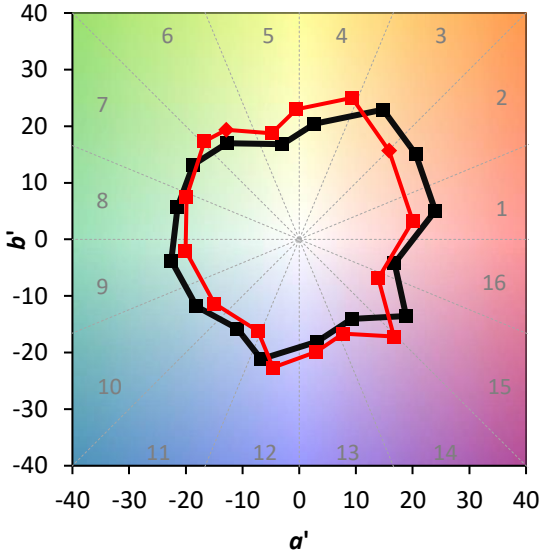
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

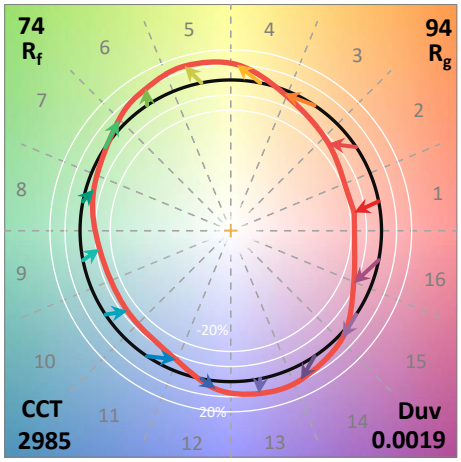
Spectral Power Distribution Comparison

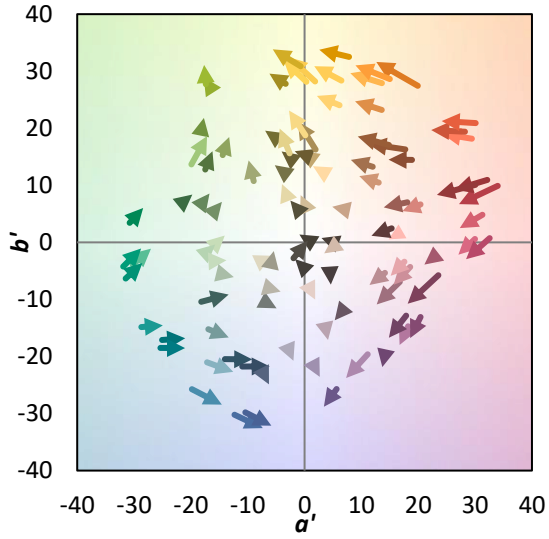


Color Vector Graphics







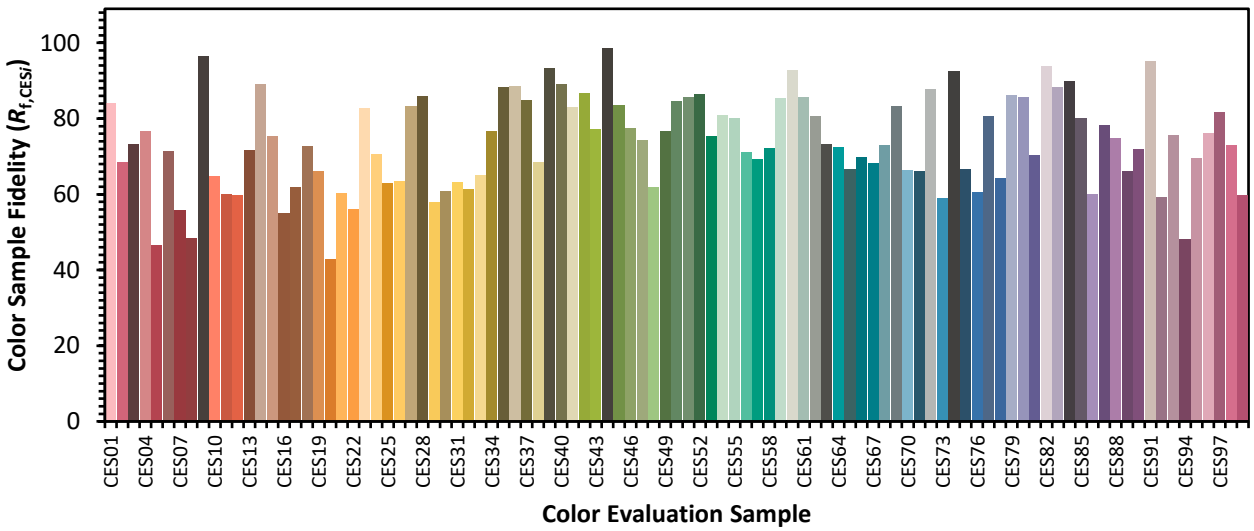


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Individual Sample Fidelity Index ($R_{f,i}$)

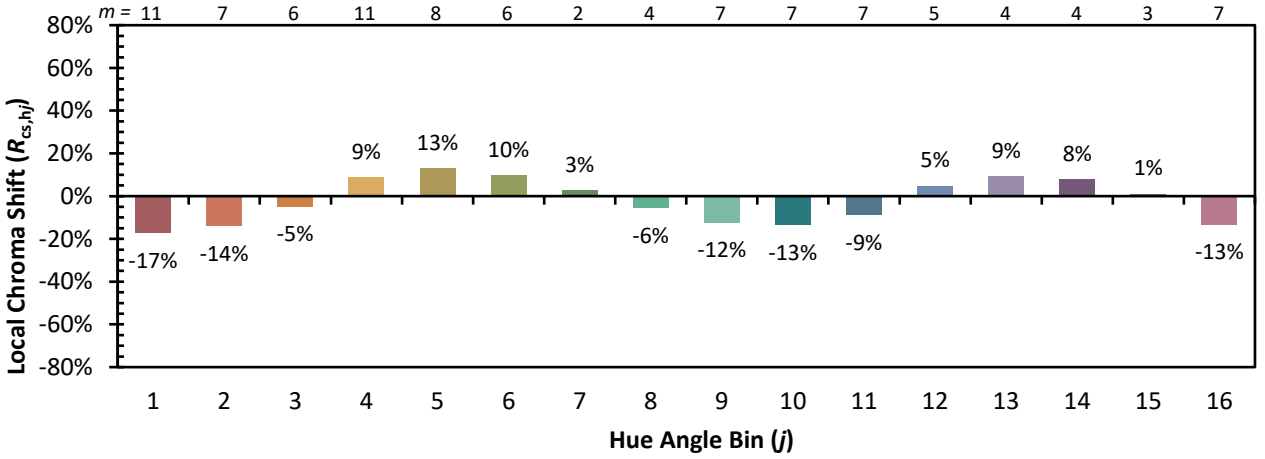
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57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

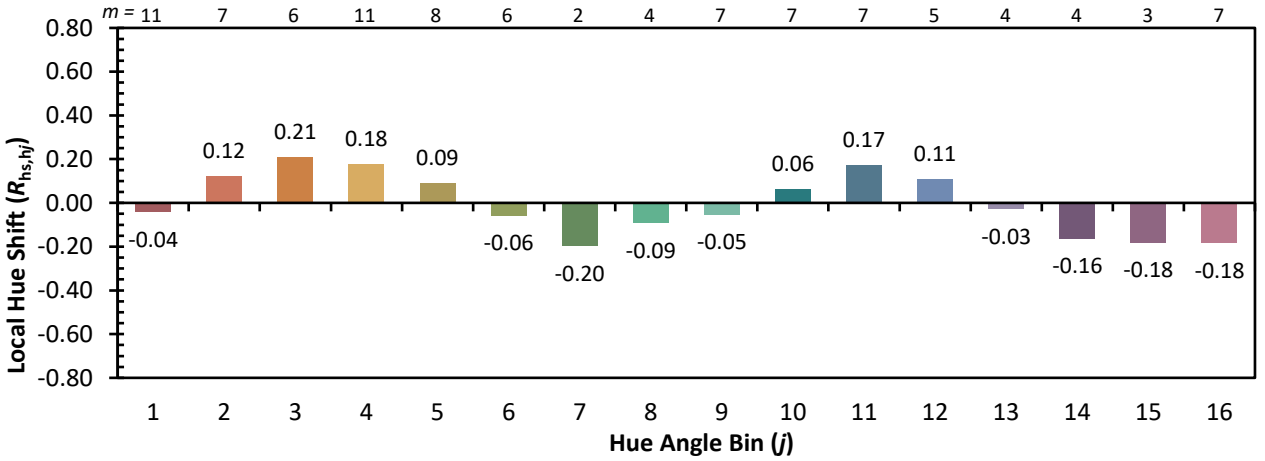


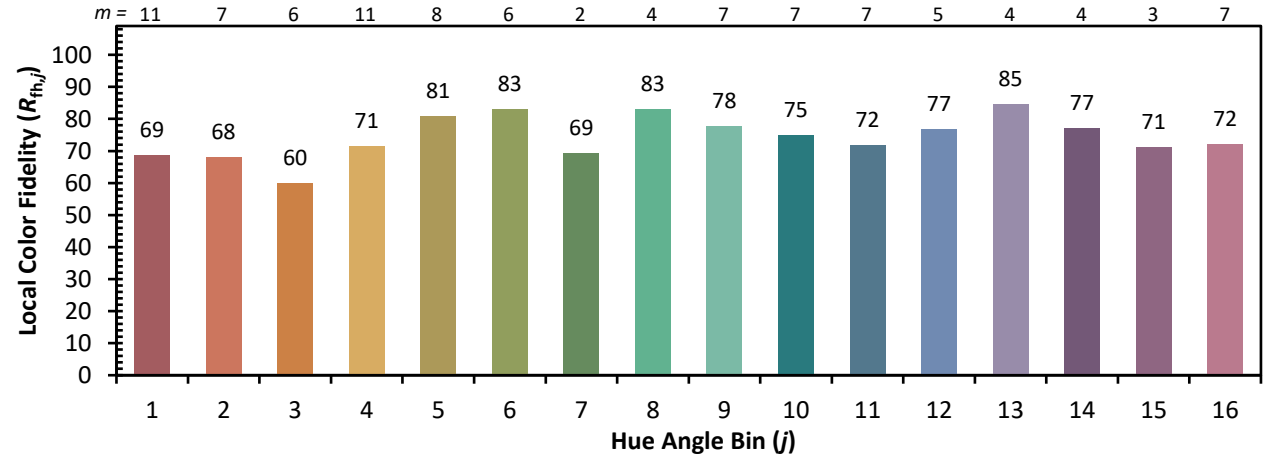
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Color Rendition by Hue-Angle Bin



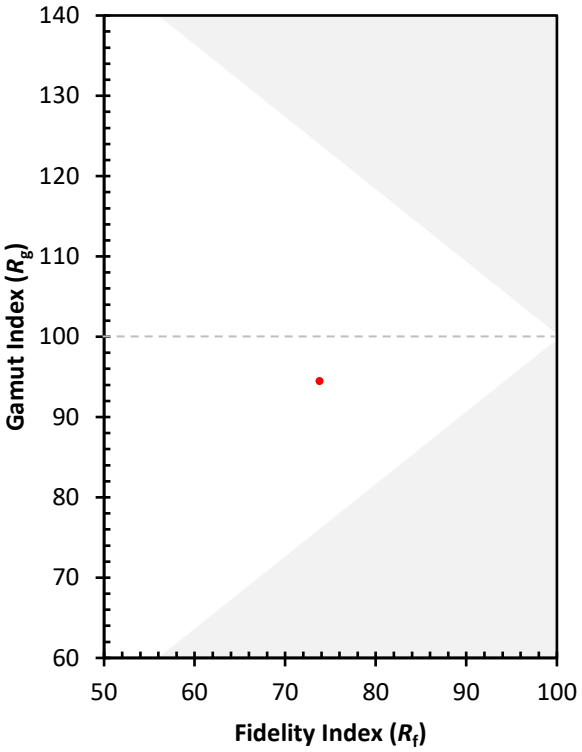


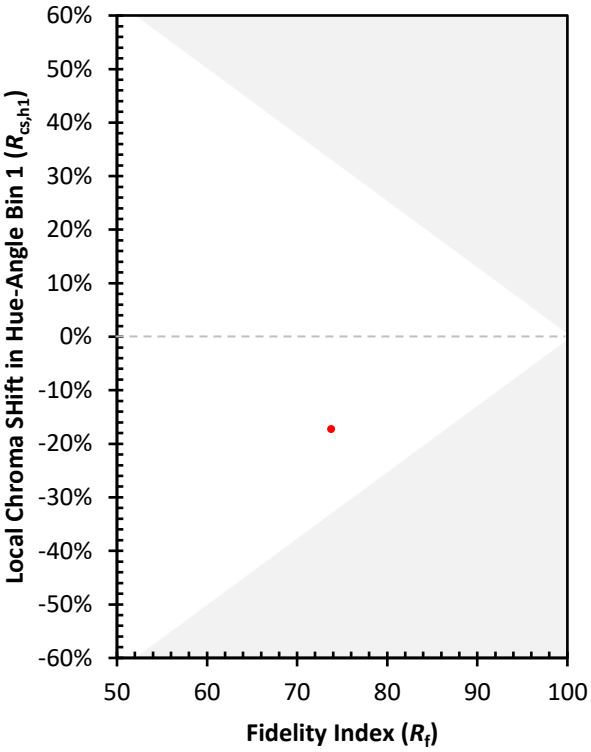


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Measure Comparisons





(END OF REPORT)