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: P1364597

Luminaire Tested: **GSS-SB6C-730-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:	P1364597
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-730-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 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:	32791 lumens
Efficiency:	N/A
Efficacy:	109.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

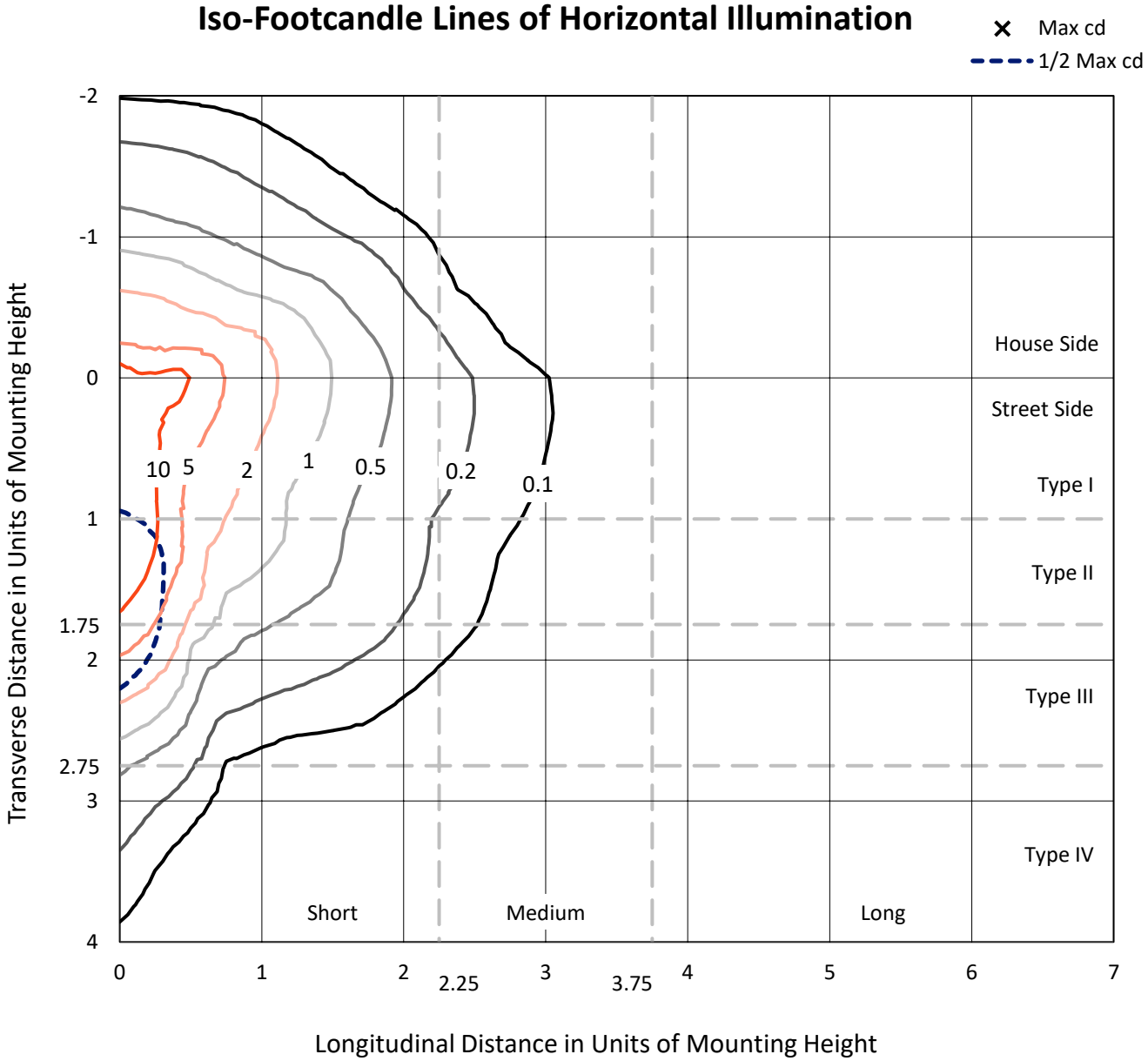
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364597
CATALOG NUMBER: GSS-SB6C-730-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination



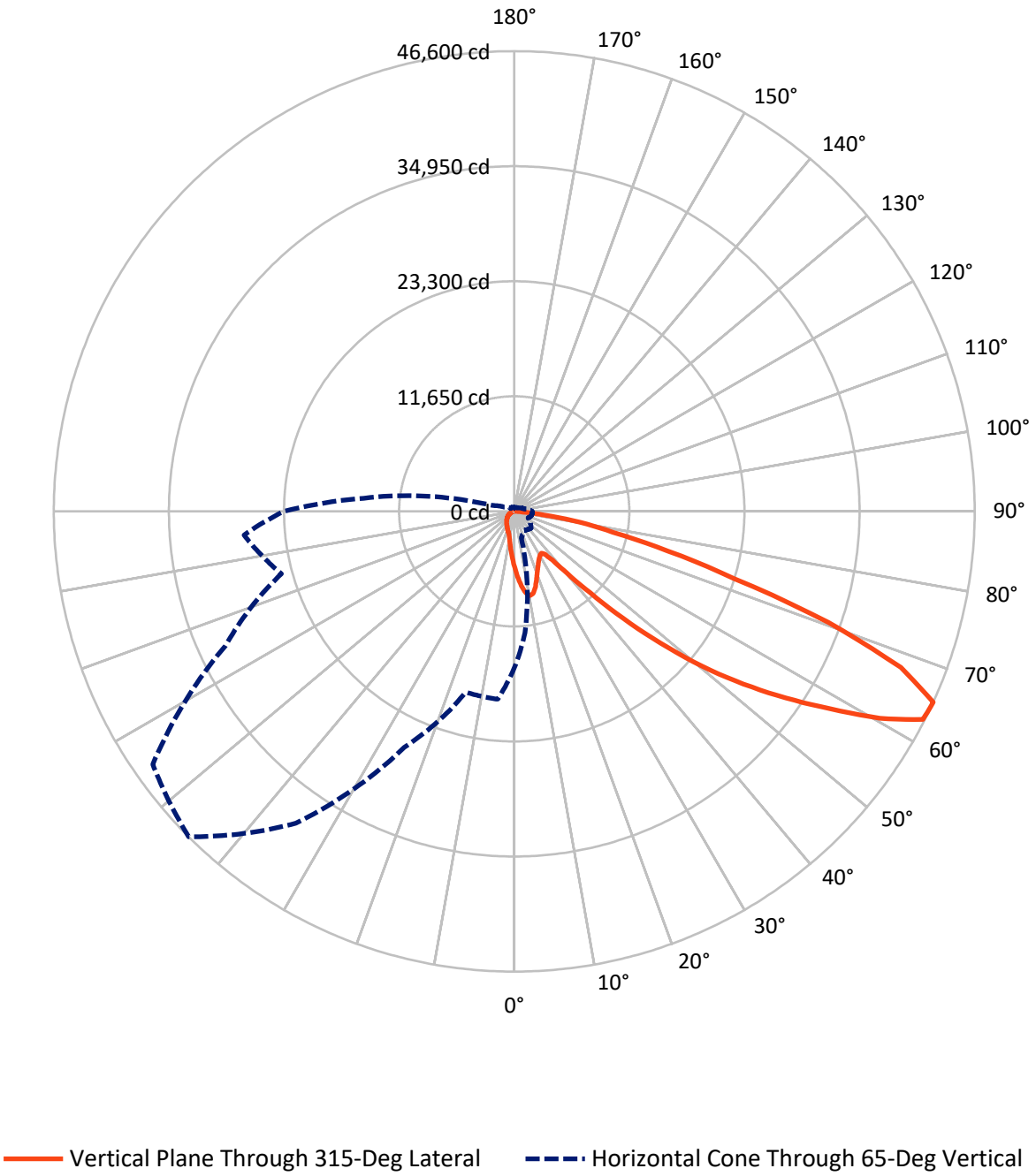
Based on 20 foot mounting height. Maximum calculated value = 17.9 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364597
CATALOG NUMBER: GSS-SB6C-730-U-SLR-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

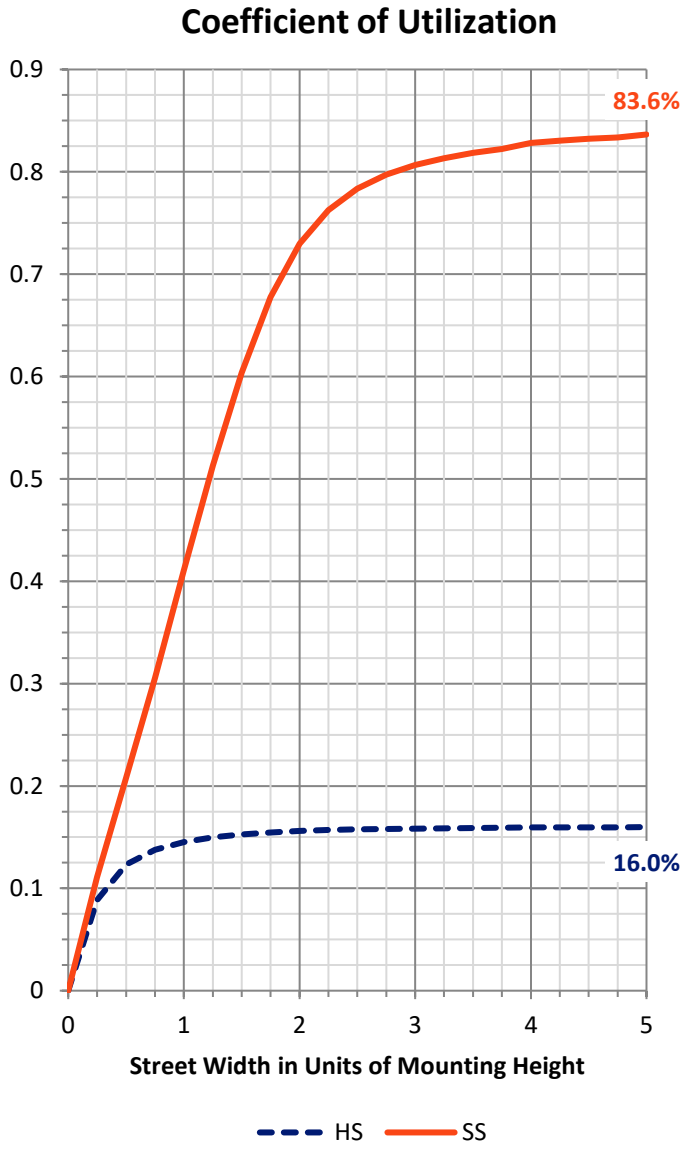
REPORT NUMBER: P1364597
CATALOG NUMBER: GSS-SB6C-730-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5300.8	0.0	5300.8
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	27490.2	0.0	27490.2
	% Fixture	83.8	0.0	83.8
Total	Lumens	32791.0	0.0	32791.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.8	1.7
10°-20°	1506.7	4.6
20°-30°	2158.0	6.6
30°-40°	2706.8	8.3
40°-50°	4446.5	13.6
50°-60°	8024.0	24.5
60°-70°	8905.0	27.2
70°-80°	4023.4	12.3
80°-90°	475.7	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°	32791.0	100.0
0°-180°	32791.0	100.0



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

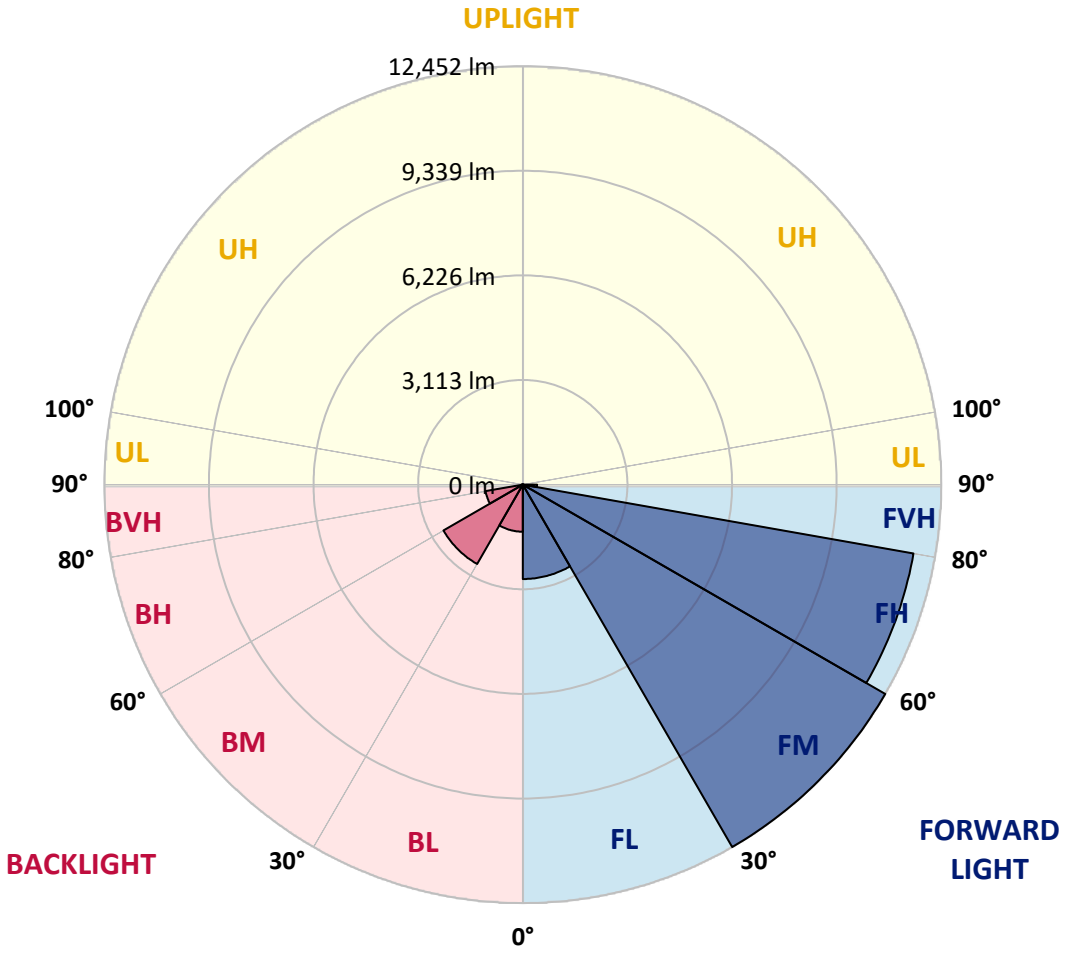
Scaled Data Report

REPORT NUMBER: P1364597
CATALOG NUMBER: GSS-SB6C-730-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2808.8	8.6			
FM	(30°-60°)	12451.6	38.0			
FH	(60°-80°)	11802.7	36.0			G4/12000
FVH	(80°-90°)	427.1	1.3			G3/500
BL	(0°-30°)	1400.7	4.3	B3/2500		
BM	(30°-60°)	2725.7	8.3	B3/5000		
BH	(60°-80°)	1125.7	3.4	B3/2500		G3/2500
BVH	(80°-90°)	48.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1364597
CATALOG NUMBER: GSS-SB6C-730-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	6393.9	6387.8	6363.7	6212.6	6061.6	5930.7	5799.8	5668.9	5487.6	5346.7	5225.8
5°	6998.0	6965.8	6836.9	6605.3	6353.6	6132.1	5880.3	5638.7	5366.8	5145.3	4913.7
7.5°	7410.8	7378.6	7249.7	6867.1	6484.5	6212.6	5940.8	5689.0	5387.0	5094.9	4762.7
10°	7602.1	7565.9	7420.9	7008.1	6565.0	6232.8	5960.9	5729.3	5477.6	5185.6	4772.7
12.5°	7733.0	7688.7	7511.5	7038.3	6585.2	6252.9	5971.0	5749.4	5568.2	5397.0	4994.3
15°	7813.6	7773.3	7612.2	7118.8	6595.2	6222.7	5890.4	5679.0	5618.5	5648.7	5457.4
17.5°	7934.4	7896.2	7743.1	7219.5	6655.7	6172.3	5719.2	5487.6	5618.5	5890.4	5950.8
20°	8095.5	8055.3	7894.1	7350.4	6706.0	6021.3	5397.0	5175.5	5507.8	5960.9	6273.0
22.5°	8276.8	8244.6	8115.7	7501.5	6756.3	5799.8	4974.1	4873.4	5276.2	5759.5	6162.3
25°	8498.3	8468.1	8347.3	7712.9	6806.7	5497.7	4611.6	4631.8	4974.1	5356.7	5769.6
27.5°	8800.4	8772.2	8659.4	7974.7	6867.1	5185.6	4319.6	4420.3	4672.0	4933.8	5185.6
30°	9132.6	9110.5	9021.9	8286.8	6987.9	4893.6	4148.5	4208.9	4380.0	4591.5	4742.5
32.5°	9585.8	9549.5	9404.5	8578.8	6977.9	4672.0	4067.9	4007.5	4057.8	4229.0	4380.0
35°	10149.6	10121.4	10008.7	8880.9	6796.6	4470.7	4027.6	3816.2	3786.0	3886.7	4037.7
37.5°	10975.3	10951.1	10854.5	9374.3	6514.7	4218.9	3926.9	3614.8	3514.1	3584.6	3685.3
40°	12213.8	12151.4	11901.6	9938.2	6202.5	3967.2	3745.7	3373.1	3232.2	3282.5	3393.3
42.5°	13895.3	13776.5	13301.2	10693.4	5779.6	3725.6	3473.8	3131.5	2980.4	3010.7	3111.3
45°	16050.1	15870.9	15153.9	11730.5	5336.6	3534.2	3191.9	2879.8	2718.6	2748.9	2859.6
47.5°	18567.4	18321.7	17338.9	12817.9	4863.4	3423.5	2970.4	2628.0	2507.2	2577.7	2688.4
50°	21537.7	21290.0	20299.2	13512.7	4480.7	3353.0	2799.2	2396.4	2346.1	2436.7	2527.3
52.5°	24780.0	24427.6	23017.9	13069.7	4168.6	3292.6	2738.8	2235.3	2255.5	2326.0	2416.6
55°	27931.6	27148.2	24014.7	11599.6	3765.8	3222.1	2779.1	2114.5	2164.8	2255.5	2326.0
57.5°	29985.7	28624.3	23179.0	9344.1	3342.9	3141.5	2809.3	2054.1	2094.4	2195.1	2275.6
60°	28193.4	26824.0	21346.4	6998.0	2980.4	2970.4	2758.9	2034.0	1973.5	2114.5	2185.0
62.5°	23098.4	21970.7	17459.8	4470.7	2638.1	2648.2	2648.2	2023.9	1772.2	1953.4	2013.8
65°	*15868.9*	*15164.0*	*12344.7*	*2769.0*	*2154.8*	*2255.5*	*2406.5*	*1963.5*	*1560.7*	*1772.2*	*1832.6*
67.5°	10431.6	9914.0	7843.8	1711.7	1661.4	1852.7	2084.3	1842.6	1399.6	1590.9	1631.2
70°	5658.8	5266.1	3695.3	1127.7	1087.5	1449.9	1641.3	1560.7	1258.6	1419.7	1460.0
72.5°	3735.6	3413.4	2124.6	795.5	795.5	1137.8	1147.9	1278.8	1127.7	1258.6	1298.9
75°	2809.3	2521.3	1369.4	553.8	614.2	725.0	896.1	916.3	946.5	1067.3	1117.7
77.5°	1288.8	1131.8	503.5	332.3	453.1	503.5	684.7	584.0	704.8	795.5	815.6
80°	745.1	652.5	281.9	221.5	292.0	322.2	563.9	342.3	422.9	563.9	594.1
82.5°	312.1	277.9	141.0	151.0	181.2	191.3	312.1	241.7	271.9	372.6	362.5
85°	90.6	90.6	90.6	100.7	110.8	110.8	181.2	171.2	161.1	171.2	171.2
87.5°	60.4	60.4	60.4	60.4	70.5	70.5	80.6	90.6	100.7	100.7	100.7
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: P1364597
CATALOG NUMBER: GSS-SB6C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	5175.5	5105.0	5014.4	4883.5	4863.4	4792.9	4742.5	4792.9	4843.2	4933.8	4943.9
5°	4792.9	4682.1	4470.7	4309.6	4128.3	4037.7	4027.6	4007.5	4067.9	4198.8	4279.4
7.5°	4581.4	4400.2	4017.6	3735.6	3483.9	3393.3	3322.8	3383.2	3373.1	3544.3	3614.8
10°	4531.1	4249.1	3715.5	3292.6	2980.4	2859.6	2789.1	2779.1	2799.2	2899.9	2970.4
12.5°	4712.3	4349.8	3594.7	2970.4	2607.9	2477.0	2396.4	2326.0	2326.0	2346.1	2436.7
15°	5115.1	4682.1	3665.1	2819.3	2426.6	2255.5	2124.6	2034.0	1963.5	1973.5	1983.6
17.5°	5679.0	5165.4	3846.4	2769.0	2315.9	2134.6	1973.5	1882.9	1802.4	1782.2	1782.2
20°	6122.0	5628.6	3987.4	2728.7	2225.3	1993.7	1852.7	1772.2	1701.7	1671.5	1671.5
22.5°	6172.3	5819.9	4108.2	2678.4	2114.5	1852.7	1721.8	1651.3	1601.0	1590.9	1590.9
25°	5840.1	5668.9	4067.9	2618.0	2003.7	1721.8	1621.1	1560.7	1510.4	1500.3	1510.4
27.5°	5286.3	5195.6	3926.9	2537.4	1913.1	1621.1	1530.5	1480.2	1429.8	1419.7	1429.8
30°	4792.9	4692.2	3685.3	2406.5	1842.6	1540.6	1439.9	1389.5	1339.2	1339.2	1349.3
32.5°	4390.1	4289.4	3443.6	2255.5	1752.0	1449.9	1359.3	1309.0	1258.6	1258.6	1278.8
35°	4027.6	3947.1	3252.3	2104.4	1661.4	1369.4	1268.7	1228.4	1188.2	1178.1	1198.2
37.5°	3715.5	3675.2	3081.1	1943.3	1570.8	1288.8	1198.2	1157.9	1107.6	1097.5	1117.7
40°	3413.4	3393.3	2889.8	1802.4	1460.0	1208.3	1117.7	1077.4	1017.0	1017.0	1037.1
42.5°	3131.5	3121.4	2718.6	1711.7	1359.3	1127.7	1027.0	986.8	936.4	936.4	956.6
45°	2910.0	2899.9	2557.5	1661.4	1258.6	1037.1	946.5	896.1	855.9	865.9	886.1
47.5°	2708.6	2688.4	2386.4	1671.5	1208.3	976.7	855.9	805.5	775.3	795.5	825.7
50°	2547.5	2527.3	2265.5	1681.5	1127.7	896.1	785.4	735.0	714.9	745.1	775.3
52.5°	2446.8	2426.6	2144.7	1621.1	1027.0	835.7	714.9	684.7	684.7	714.9	735.0
55°	2346.1	2326.0	1943.3	1490.2	916.3	775.3	664.6	644.4	644.4	674.6	694.8
57.5°	2285.7	2245.4	1731.9	1339.2	825.7	704.8	614.2	614.2	614.2	624.3	634.4
60°	2195.1	2094.4	1510.4	1147.9	755.2	634.4	573.9	563.9	563.9	553.8	563.9
62.5°	2003.7	1832.6	1268.7	976.7	674.6	573.9	523.6	513.5	483.3	453.1	463.2
65°	*1812.4*	*1550.6*	*1006.9*	*815.6*	*584.0*	*493.4*	*463.2*	*453.1*	*402.8*	*362.5*	*372.6*
67.5°	1570.8	1238.5	755.2	684.7	503.5	422.9	392.7	392.7	362.5	332.3	332.3
70°	1399.6	966.6	634.4	513.5	402.8	332.3	332.3	352.4	322.2	281.9	281.9
72.5°	1238.5	785.4	513.5	412.8	312.1	261.8	281.9	292.0	261.8	231.6	231.6
75°	1057.3	614.2	402.8	322.2	231.6	201.4	211.5	231.6	211.5	181.2	191.3
77.5°	765.2	422.9	271.9	211.5	171.2	151.0	161.1	161.1	151.0	141.0	141.0
80°	533.7	281.9	181.2	141.0	120.8	110.8	110.8	100.7	100.7	110.8	110.8
82.5°	322.2	201.4	130.9	110.8	90.6	70.5	70.5	80.6	80.6	90.6	90.6
85°	141.0	120.8	90.6	80.6	60.4	50.3	60.4	60.4	70.5	80.6	80.6
87.5°	90.6	90.6	70.5	60.4	50.3	40.3	40.3	50.3	50.3	60.4	70.5
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: P1364597
CATALOG NUMBER: GSS-SB6C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	4984.2	5084.9	5205.7	5376.9	5527.9	5709.2	5890.4	6061.6	6222.7	6242.8	6313.3
5°	4339.8	4531.1	4772.7	5054.7	5397.0	5759.5	6111.9	6484.5	6786.6	6897.3	7058.4
7.5°	3675.2	3916.9	4269.3	4702.3	5185.6	5729.3	6273.0	6796.6	7249.7	7461.2	7672.6
10°	3040.9	3272.4	3705.4	4229.0	4853.3	5588.3	6313.3	7018.1	7571.9	7813.6	8015.0
12.5°	2466.9	2698.5	3050.9	3655.1	4410.3	5296.3	6252.9	7098.7	7712.9	7964.6	8155.9
15°	2013.8	2205.1	2537.4	3101.3	3896.7	4893.6	6041.4	7038.3	7743.1	7984.8	8125.7
17.5°	1772.2	1822.5	2034.0	2547.5	3413.4	4531.1	5769.6	6957.7	7763.3	7984.8	8065.3
20°	1671.5	1671.5	1711.7	1983.6	2829.4	4148.5	5568.2	6907.4	7793.5	8015.0	8004.9
22.5°	1580.8	1601.0	1601.0	1661.4	2154.8	3614.8	5356.7	6887.2	7884.1	8055.3	7914.3
25°	1500.3	1530.5	1530.5	1550.6	1691.6	2980.4	5094.9	6927.5	8045.2	8135.8	7853.9
27.5°	1429.8	1460.0	1460.0	1480.2	1510.4	2215.2	4662.0	6937.6	8226.4	8236.5	7773.3
30°	1359.3	1389.5	1409.7	1409.7	1429.8	1631.2	4118.2	6877.2	8427.8	8367.4	7763.3
32.5°	1278.8	1319.0	1329.1	1349.3	1359.3	1419.7	3413.4	6776.5	8679.5	8548.6	7773.3
35°	1208.3	1258.6	1268.7	1268.7	1288.8	1349.3	2728.7	6665.7	9021.9	8790.3	7813.6
37.5°	1137.8	1178.1	1188.2	1198.2	1218.4	1278.8	2164.8	6504.6	9313.9	9092.4	8015.0
40°	1057.3	1107.6	1117.7	1127.7	1147.9	1208.3	1862.8	6303.2	9756.9	9595.8	8317.1
42.5°	976.7	1027.0	1047.2	1057.3	1067.3	1147.9	1701.7	6162.3	10471.8	10300.7	8931.3
45°	906.2	956.6	976.7	976.7	996.8	1107.6	1560.7	6474.4	11458.6	11378.0	9756.9
47.5°	845.8	896.1	906.2	906.2	916.3	1047.2	1439.9	7310.1	12969.0	12757.5	11045.8
50°	795.5	835.7	855.9	835.7	845.8	996.8	1510.4	8689.6	14902.2	14972.7	12938.8
52.5°	755.2	795.5	805.5	765.2	765.2	926.4	1601.0	9817.3	17369.1	18013.6	15939.3
55°	704.8	745.1	755.2	704.8	704.8	815.6	1389.5	9887.8	20178.4	22252.6	19846.1
57.5°	654.5	694.8	694.8	654.5	644.4	704.8	1127.7	8770.2	22353.3	27055.6	25192.8
60°	594.1	634.4	624.3	604.1	584.0	644.4	1037.1	6685.9	22061.3	30187.1	31324.9
62.5°	483.3	543.7	563.9	553.8	513.5	584.0	966.6	4359.9	19091.0	27468.4	31133.6
65°	*402.8*	*453.1*	*483.3*	*483.3*	*453.1*	*644.4*	*845.8*	*2295.7*	*15284.8*	*23309.9*	*27448.3*
67.5°	352.4	402.8	422.9	412.8	392.7	573.9	533.7	1107.6	11720.4	20087.8	24568.5
70°	312.1	352.4	372.6	342.3	322.2	463.2	382.6	654.5	7843.8	16765.0	21880.1
72.5°	251.7	292.0	312.1	281.9	251.7	342.3	292.0	433.0	5105.0	14288.0	19443.4
75°	201.4	241.7	251.7	231.6	201.4	251.7	231.6	302.1	3332.9	11821.1	16533.4
77.5°	151.0	171.2	191.3	181.2	151.0	181.2	161.1	211.5	1903.1	8296.9	11599.6
80°	120.8	130.9	130.9	130.9	120.8	110.8	110.8	141.0	855.9	4088.0	6051.5
82.5°	100.7	110.8	110.8	100.7	90.6	80.6	70.5	80.6	251.7	1832.6	2789.1
85°	90.6	100.7	80.6	70.5	60.4	50.3	30.2	30.2	70.5	292.0	543.7
87.5°	70.5	60.4	50.3	40.3	20.1	10.1	10.1	0.0	10.1	10.1	10.1
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: P1364597
CATALOG NUMBER: GSS-SB6C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5668.9	5668.9	5668.9	*5668.9*	5668.9	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	6424.1	6524.8	6595.2	*6655.7*	6635.5	6585.2	6484.5	6414.0	6397.9	6393.9
5°	7269.9	7431.0	7571.9	*7551.8*	7571.9	7420.9	7269.9	7088.6	7016.1	6998.0
7.5°	7974.7	8176.1	8347.3	*8327.1*	8266.7	8095.5	7843.8	7571.9	7443.1	7410.8
10°	8357.3	8588.9	8729.9	*8679.5*	8578.8	8357.3	8105.6	7783.4	7638.4	7602.1
12.5°	8427.8	8578.8	8548.6	*8528.5*	8508.4	8397.6	8206.3	7914.3	7769.3	7733.0
15°	8246.6	8186.2	8015.0	*7974.7*	8125.7	8266.7	8226.4	7984.8	7847.8	7813.6
17.5°	7944.5	7632.4	7320.2	*7279.9*	7531.7	7924.4	8236.5	8095.5	7966.6	7934.4
20°	7612.2	7028.2	6685.9	*6615.4*	6927.5	7511.5	8125.7	8206.3	8117.7	8095.5
22.5°	7219.5	6534.8	6172.3	*6132.1*	6363.7	7048.3	7964.6	8327.1	8286.8	8276.8
25°	6877.2	6101.9	5759.5	*5699.1*	6001.2	6665.7	7803.5	8528.5	8504.3	8498.3
27.5°	6595.2	5789.7	5427.2	*5387.0*	5679.0	6343.5	7602.1	8699.7	8780.2	8800.4
30°	6373.7	5558.1	5195.6	*5145.3*	5467.5	6122.0	7461.2	8941.3	9094.4	9132.6
32.5°	6202.5	5427.2	5084.9	*5054.7*	5397.0	6031.4	7380.6	9193.1	9507.2	9585.8
35°	6142.1	5467.5	5235.9	*5306.4*	5568.2	6122.0	7441.0	9605.9	10040.9	10149.6
37.5°	6273.0	5910.5	6071.6	*6252.9*	6353.6	6555.0	7723.0	10270.5	10834.3	10975.3
40°	6695.9	7098.7	7853.9	*8206.3*	8166.0	7702.8	8367.4	11206.9	12012.4	12213.8
42.5°	7773.3	9082.3	10683.3	*11277.4*	10935.0	9535.4	9394.4	12747.4	13665.7	13895.3
45°	9374.3	11478.7	14106.8	*15446.0*	14267.9	11861.4	11015.6	14942.5	15828.6	16050.1
47.5°	10975.3	14157.1	18335.8	*19926.7*	17610.8	14167.2	13140.1	17570.5	18368.0	18567.4
50°	12606.5	17117.4	22554.7	*24679.3*	20943.7	16513.3	15395.6	20812.8	21392.7	21537.7
52.5°	14288.0	19765.6	27206.6	*29039.2*	24427.6	18325.7	17973.3	24347.0	24693.4	24780.0
55°	16160.9	22272.8	31868.6	*33348.8*	27599.3	19906.5	20994.0	28042.4	27953.7	27931.6
57.5°	18658.0	24910.9	35624.4	*37688.5*	30479.1	22041.2	25031.7	32150.5	30418.7	29985.7
60°	23017.9	29009.0	40296.4	*42541.8*	34335.5	25162.6	28002.1	32059.9	28966.7	28193.4
62.5°	28072.6	32956.1	44525.4	*46418.4*	38393.4	28263.9	25635.8	26924.7	23863.7	23098.4
65°	*24387.3*	*32261.3*	*44656.3*	*46599.7*	*38544.4*	*26370.9*	*18950.0*	*19091.0*	*16513.3*	*15868.9*
67.5°	20752.4	28596.2	40669.0	*42199.5*	34385.9	21799.5	12566.2	12455.4	10836.3	10431.6
70°	18476.7	25051.8	35050.4	*33731.4*	28908.3	18426.4	8347.3	6917.5	5910.5	5658.8
72.5°	16603.9	19876.3	28404.8	*23249.5*	23984.5	14992.8	5306.4	4712.3	3931.0	3735.6
75°	15033.1	16442.8	17721.6	*16070.2*	17036.9	12354.7	4500.9	3634.9	2974.4	2809.3
77.5°	11962.1	12797.8	10492.0	*10189.9*	11931.8	8790.3	2235.3	1530.5	1337.2	1288.8
80°	7118.8	6051.5	5950.8	*6786.6*	7944.5	4561.3	1369.4	845.8	765.2	745.1
82.5°	4309.6	2185.0	2376.3	*3000.6*	4229.0	2074.2	815.6	362.5	322.2	312.1
85°	725.0	594.1	916.3	*876.0*	825.7	443.0	221.5	100.7	92.6	90.6
87.5°	20.1	30.2	40.3	*50.3*	50.3	50.3	50.3	50.3	58.4	60.4
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

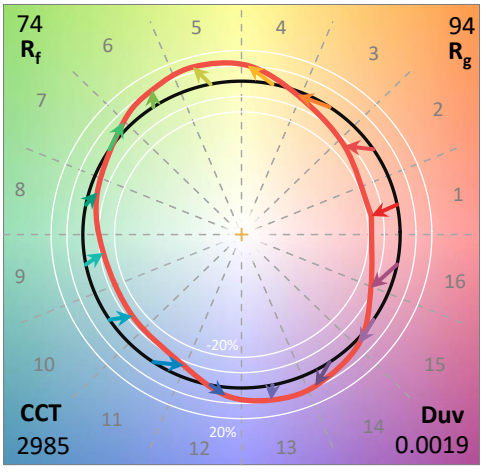
Test Information

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

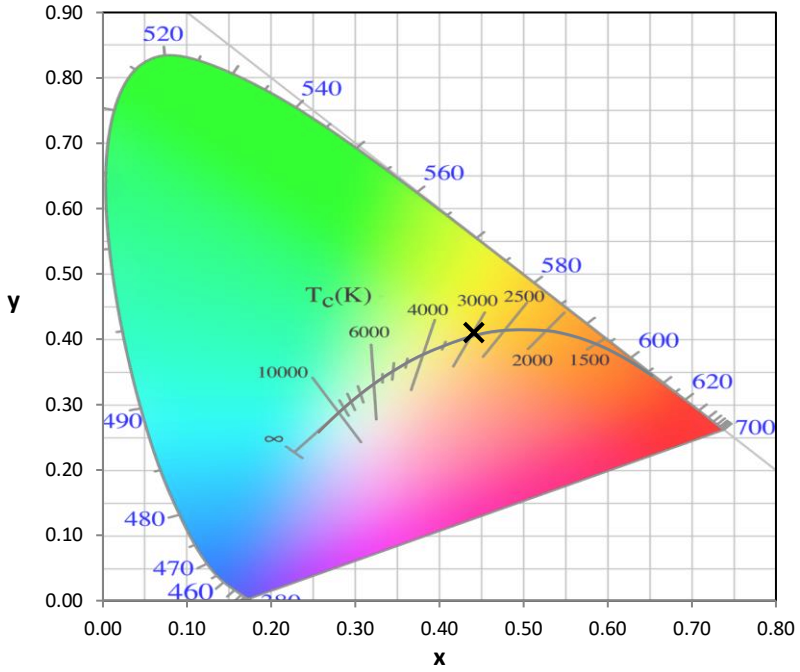
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

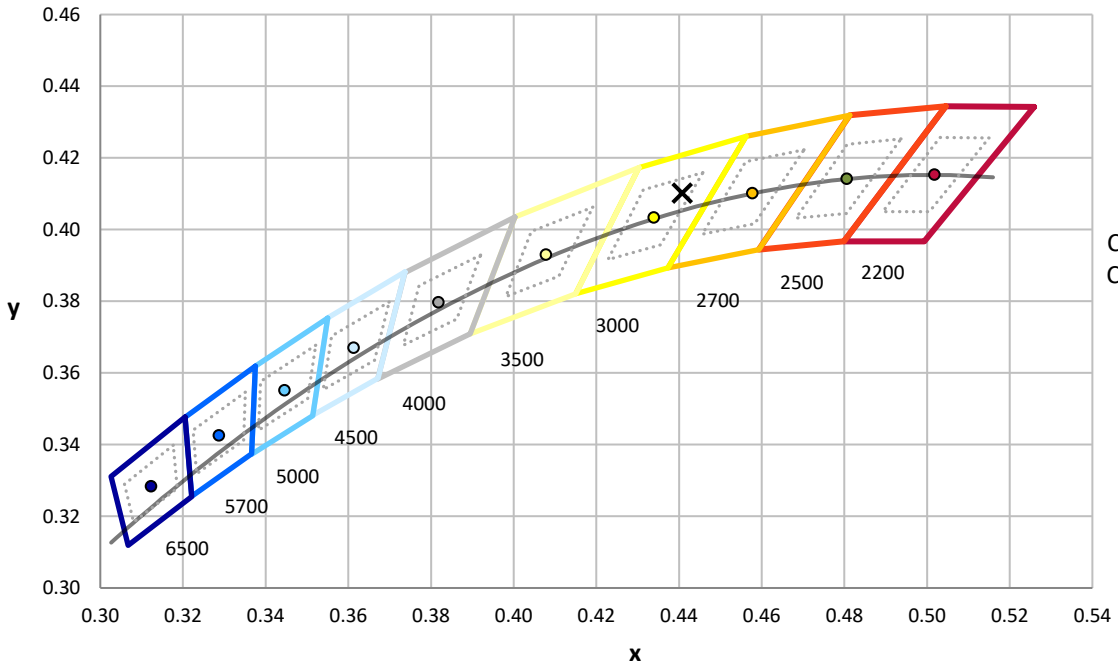
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

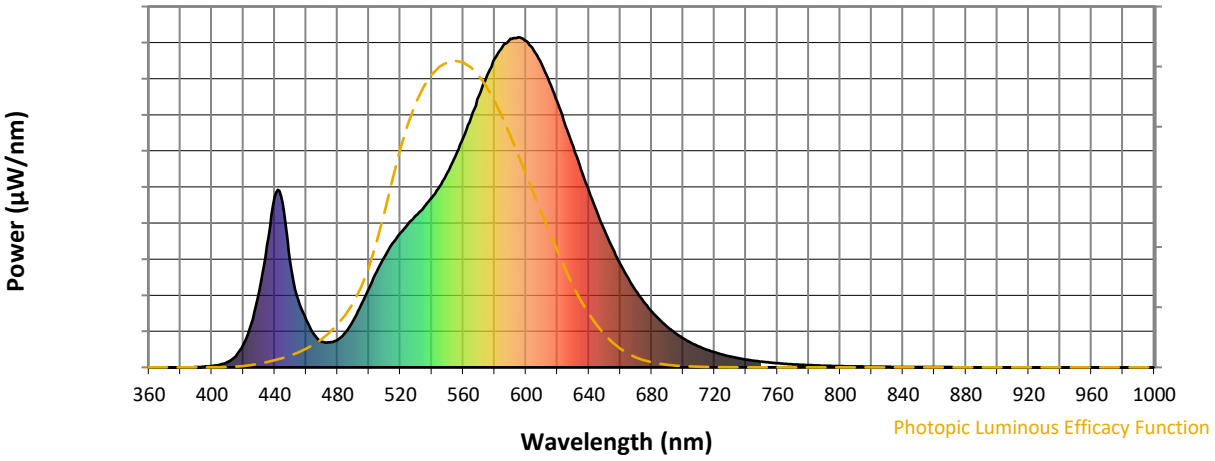


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

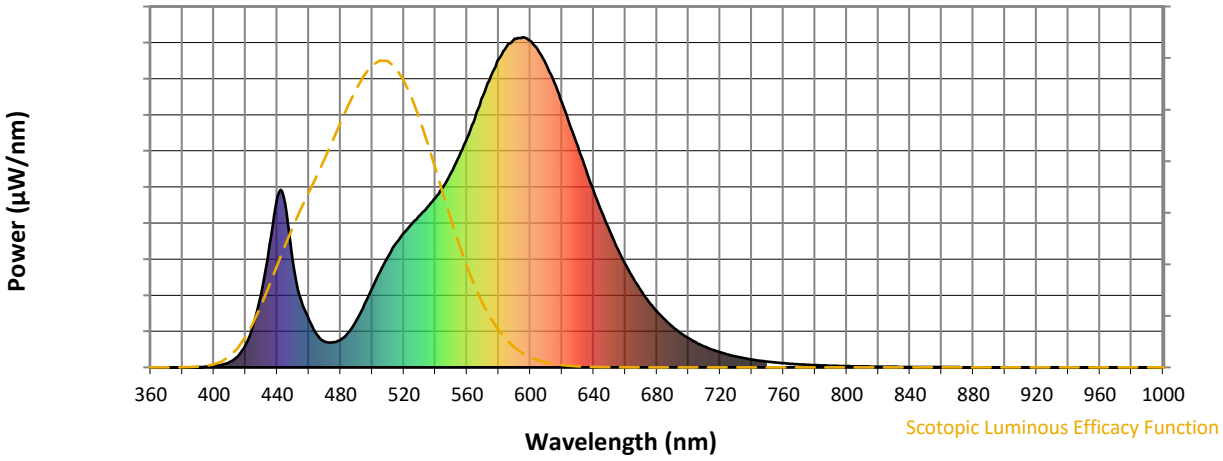


Photopic Lumens: NR

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

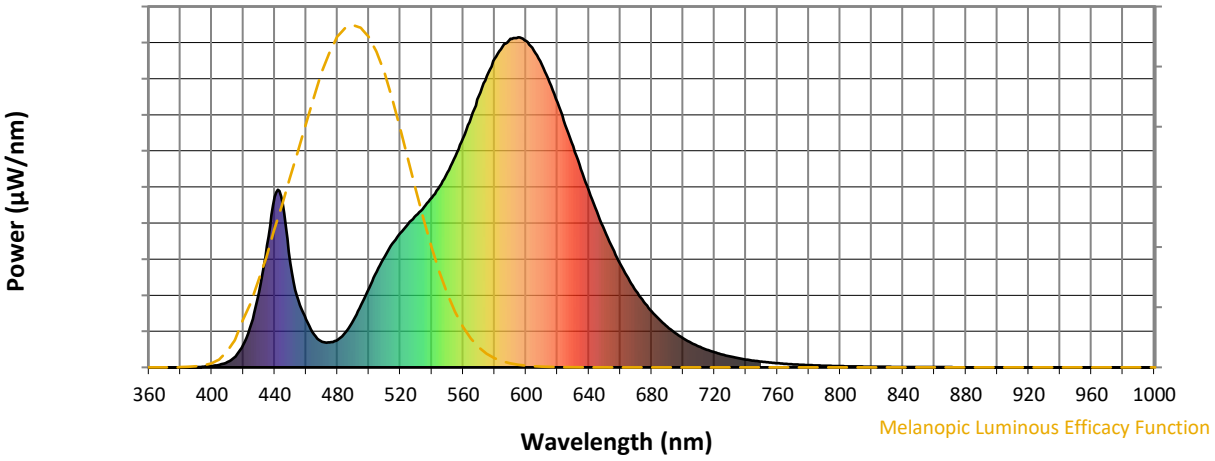


Scotopic Lumens: NR **S/P: 1.19**

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			

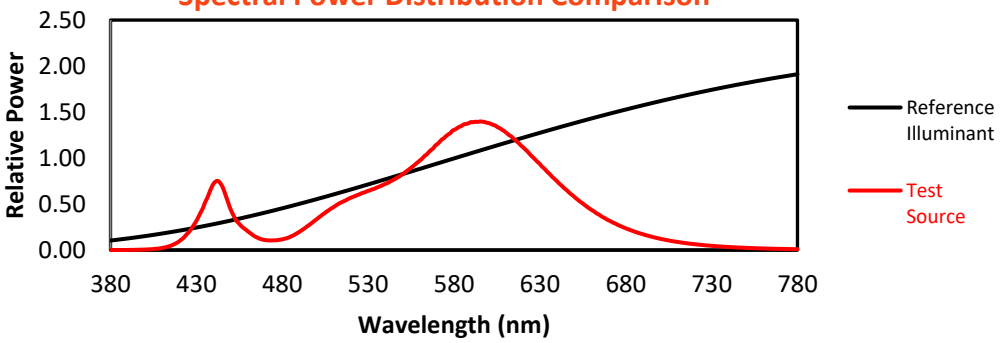
REPORT NUMBER: SP1-2407-184-4

TM-30-18

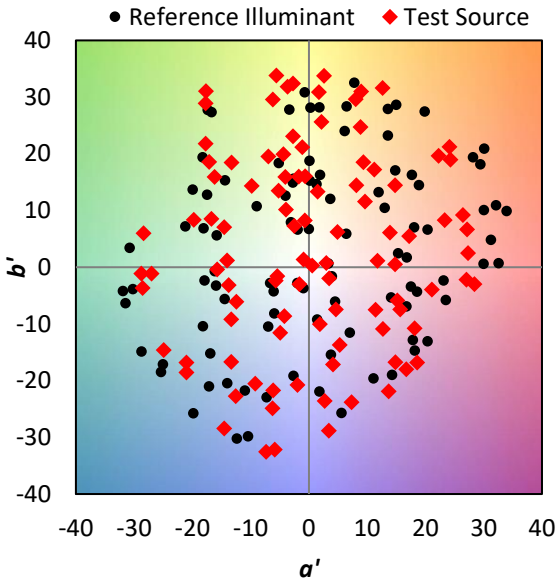
Summary

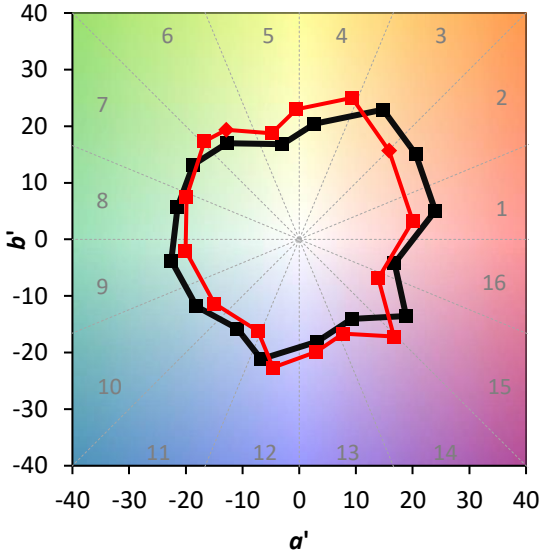
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

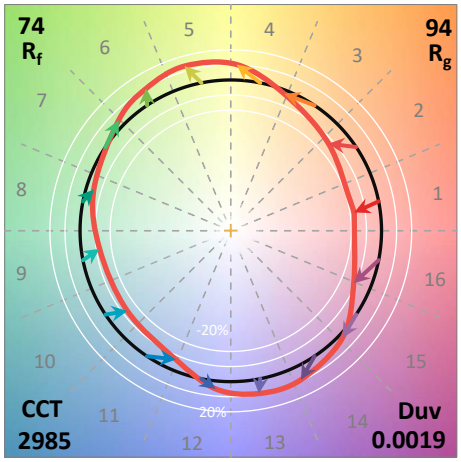
Spectral Power Distribution Comparison

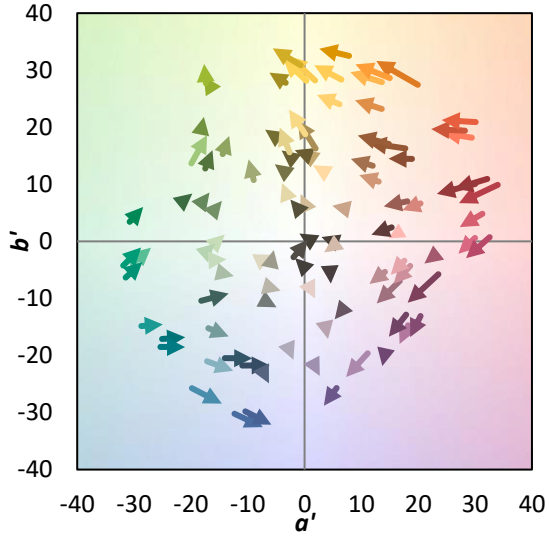


Color Vector Graphics







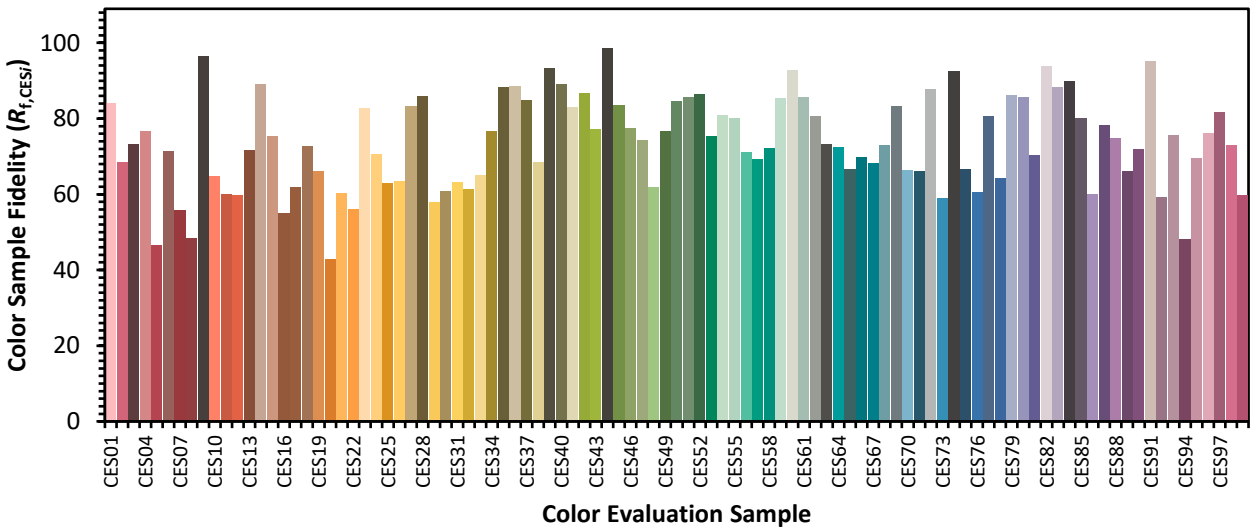


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

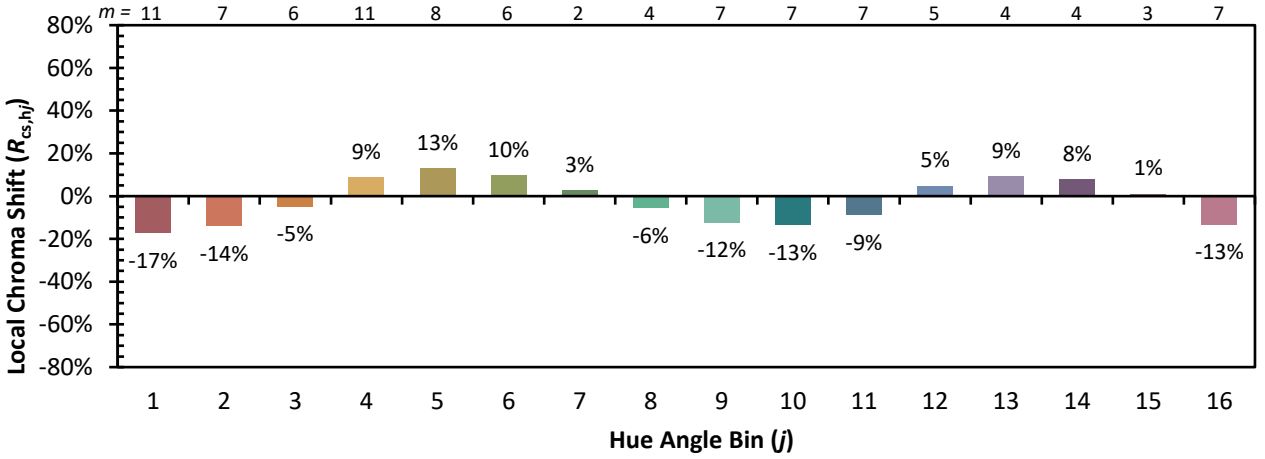
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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	

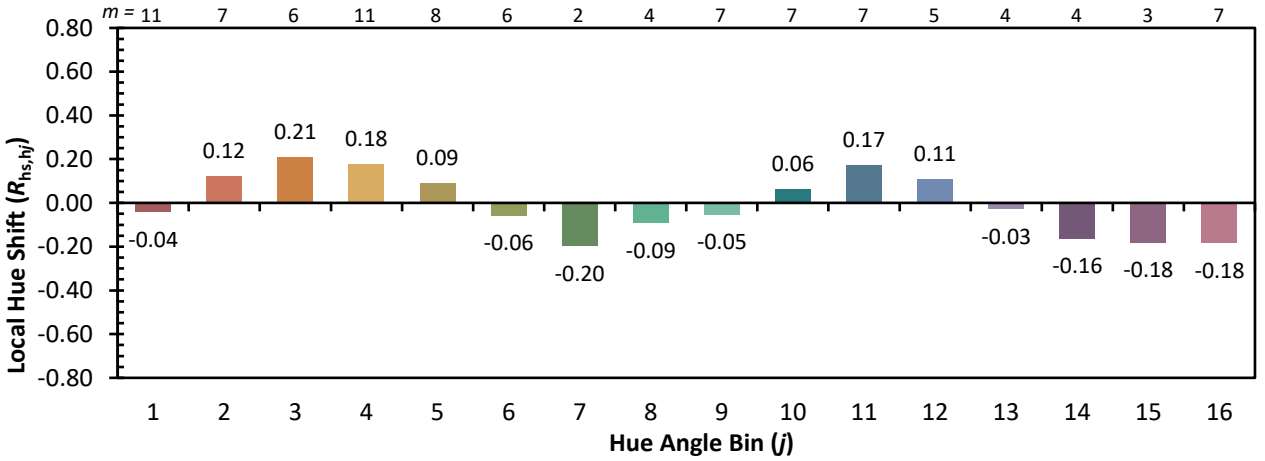


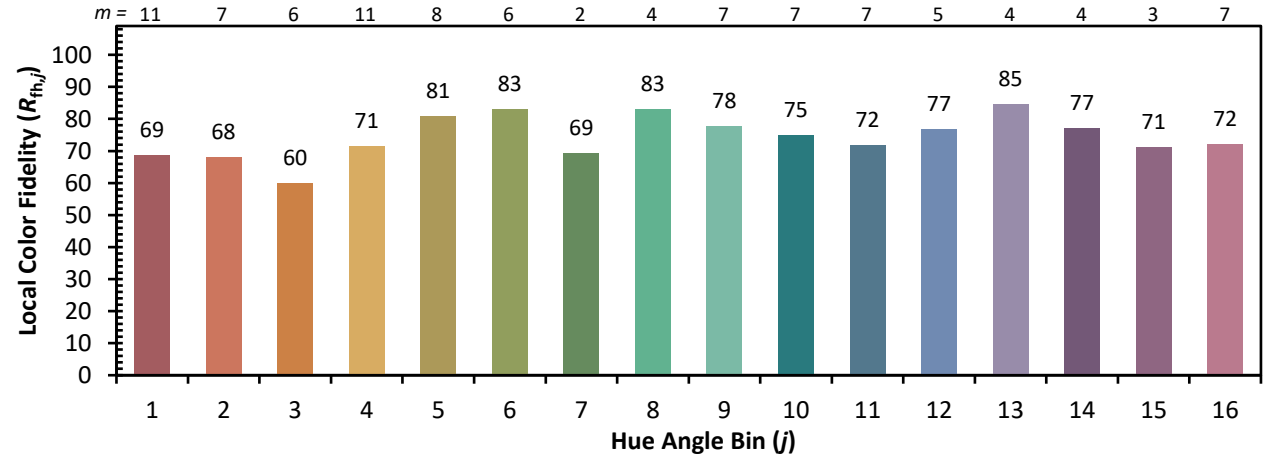
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



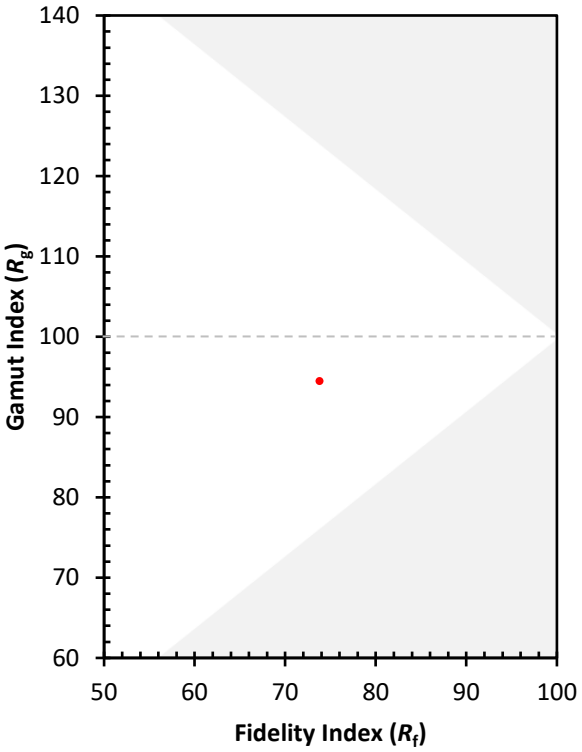


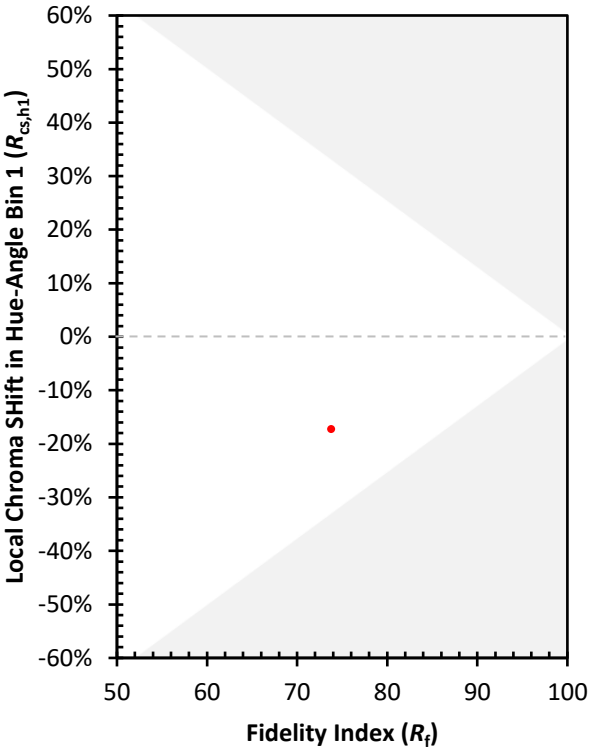


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)