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: P1363362

Luminaire Tested: **GSS-SB3D-740-U-SL3**

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:	P1363362
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-740-U-SL3
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 70CRI 4000K FIXTURE w/ TYPE III SPILL CONTROL DISTRIBUTION OPTIC
Light Source:	(78) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28214.4 lumens
Efficiency:	N/A
Efficacy:	128.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

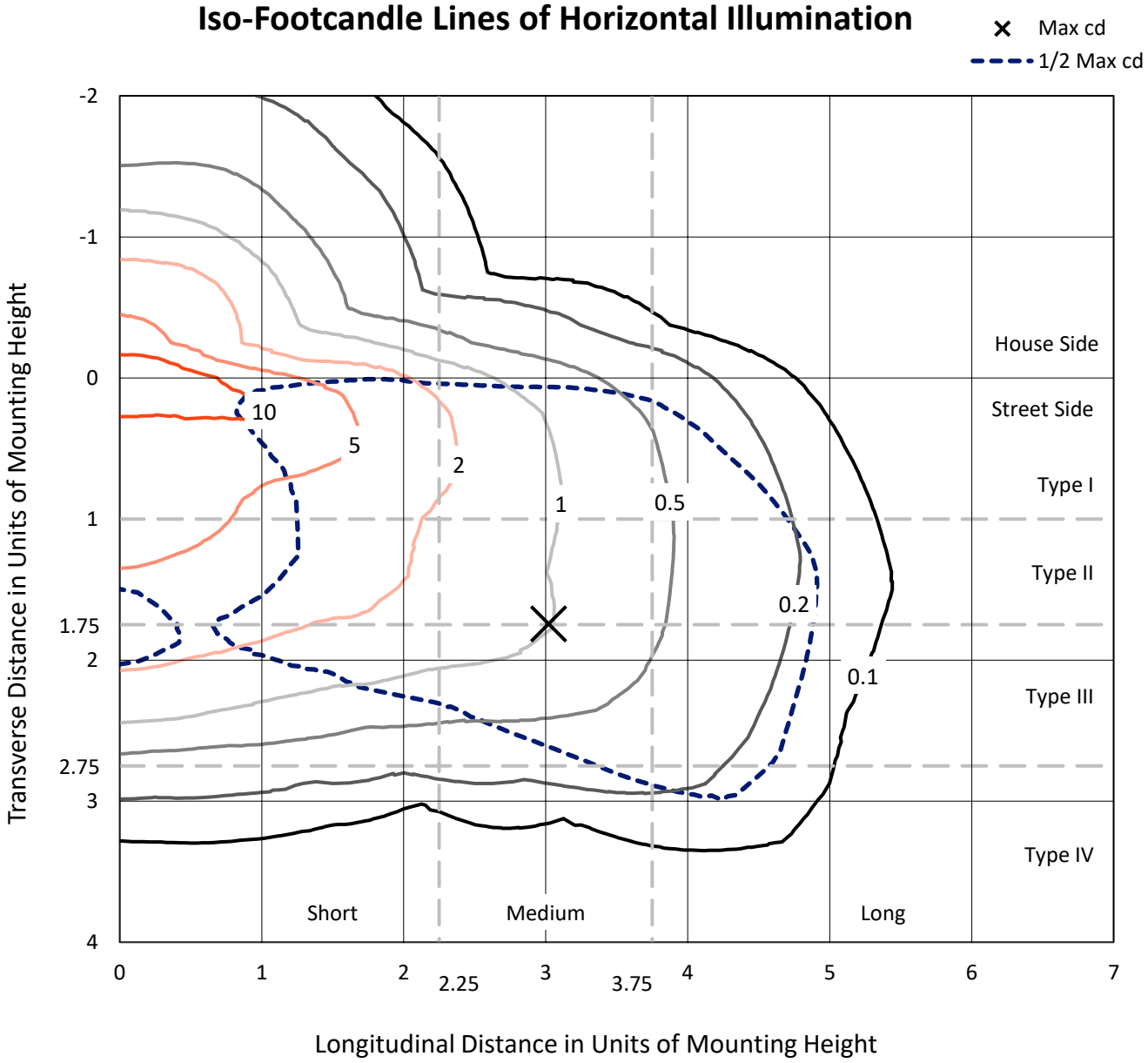
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1363362
CATALOG NUMBER: GSS-SB3D-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



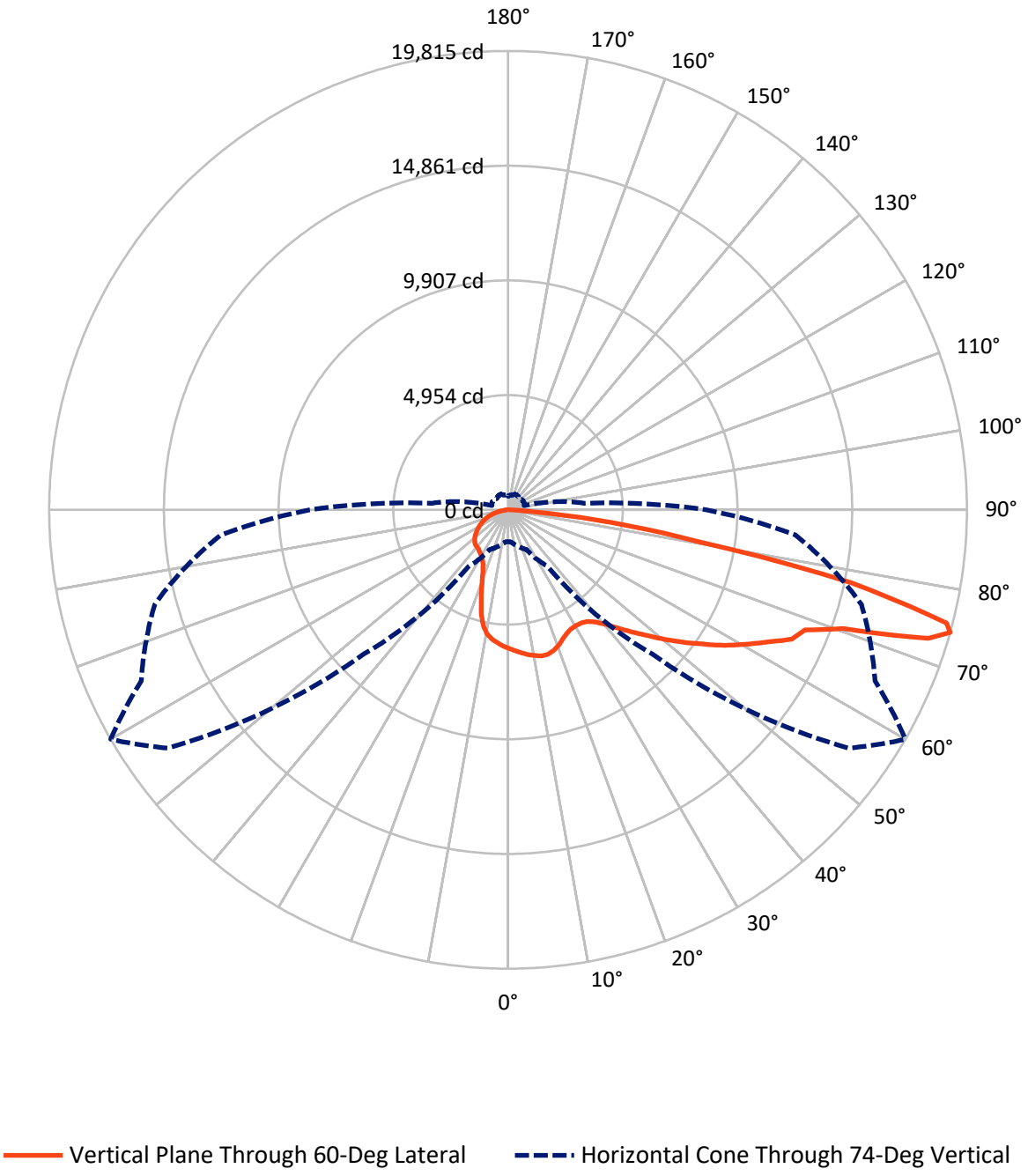
Based on 20 foot mounting height. Maximum calculated value = 15 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1363362
CATALOG NUMBER: GSS-SB3D-740-U-SL3

Luminous Intensity Polar Plot



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

Scaled Data Report

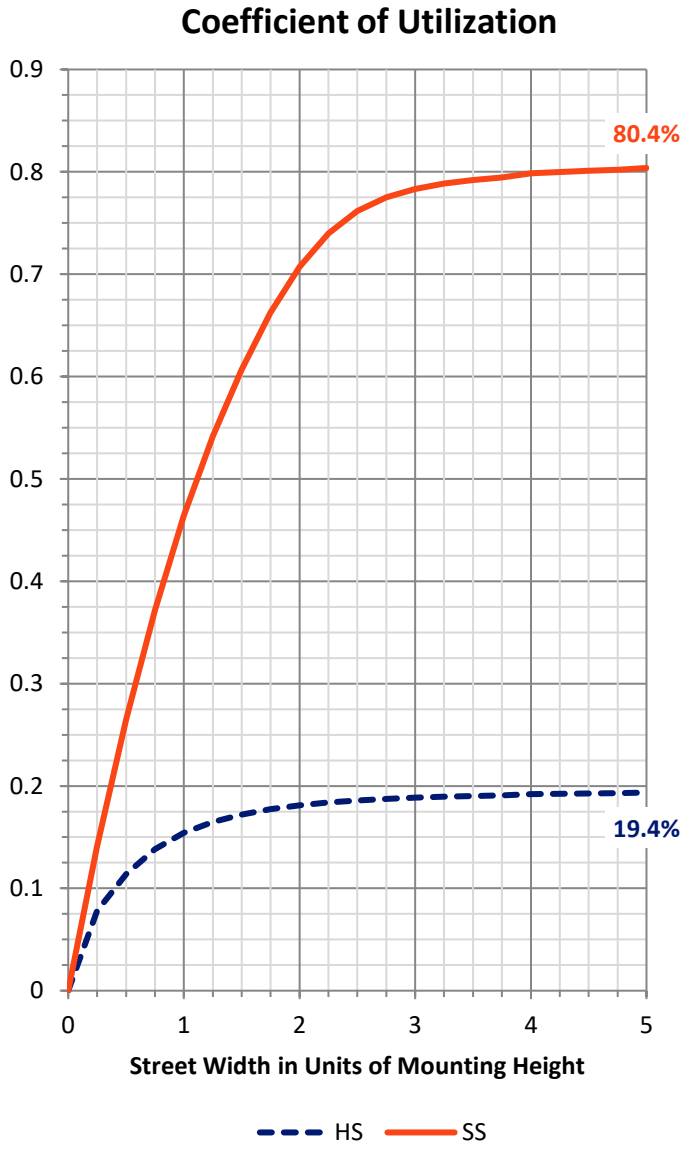
REPORT NUMBER: P1363362
CATALOG NUMBER: GSS-SB3D-740-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5507.4	0.0	5507.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	22707.0	0.0	22707.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	28214.4	0.0	28214.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.7	2.0
10°-20°	1351.2	4.8
20°-30°	2020.2	7.2
30°-40°	2879.8	10.2
40°-50°	4140.8	14.7
50°-60°	5544.3	19.7
60°-70°	6510.6	23.1
70°-80°	4643.7	16.5
80°-90°	573.1	2.0
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°	28214.4	100.0
0°-180°	28214.4	100.0



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

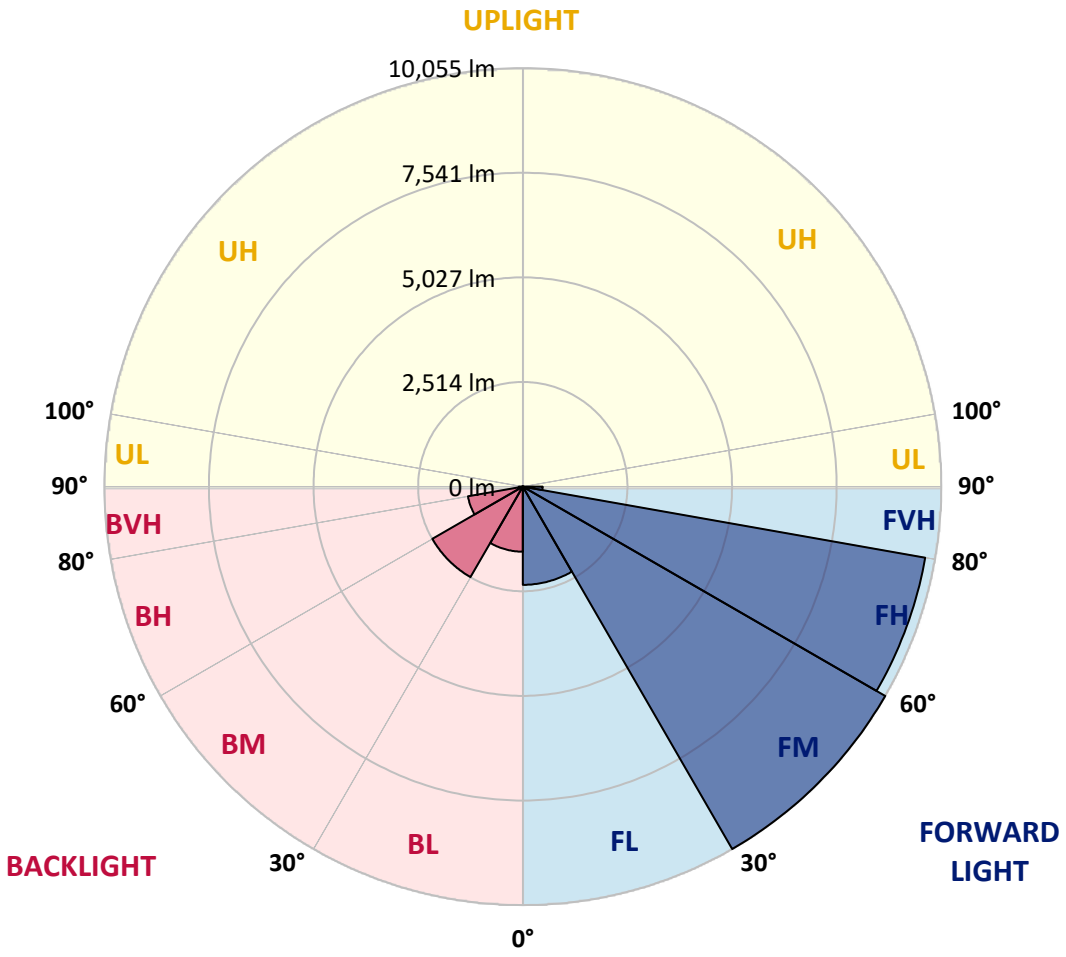
Scaled Data Report

REPORT NUMBER: P1363362
CATALOG NUMBER: GSS-SB3D-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2359.1	8.4			
FM	(30°-60°)	10054.9	35.6			
FH	(60°-80°)	9816.7	34.8			G4/12000
FVH	(80°-90°)	476.3	1.7			G3/500
BL	(0°-30°)	1562.9	5.5	B3/2500		
BM	(30°-60°)	2510.0	8.9	B3/5000		
BH	(60°-80°)	1337.6	4.7	B3/2500		G3/2500
BVH	(80°-90°)	96.8	0.3			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 Medium



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

Scaled Data Report

REPORT NUMBER: P1363362
CATALOG NUMBER: GSS-SB3D-740-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5984.4	5984.4	5984.4	5984.4	5984.4	5984.4	5984.4	*5984.4*	5984.4	5984.4	5984.4
2.5°	6174.1	6181.1	6153.0	6132.0	6132.0	6096.8	6096.8	*6096.8*	6061.7	6054.7	6005.5
5°	6244.3	6237.3	6223.3	6230.3	6237.3	6223.3	6230.3	*6209.2*	6160.0	6146.0	6068.7
7.5°	6047.7	6047.7	6082.8	6153.0	6251.4	6300.5	6328.6	*6314.6*	6293.5	6251.4	6139.0
10°	5338.2	5387.4	5492.8	5724.6	6012.5	6251.4	6405.9	*6398.9*	6405.9	6349.7	6223.3
12.5°	4713.1	4734.2	4832.5	5036.2	5450.6	5963.4	6391.8	*6476.1*	6497.2	6462.1	6307.6
15°	4376.0	4368.9	4446.2	4607.7	4923.8	5485.7	6237.3	*6469.1*	6595.5	6588.5	6427.0
17.5°	4228.4	4235.5	4277.6	4383.0	4614.8	5078.4	5963.4	*6384.8*	6644.7	6729.0	6539.3
20°	4298.7	4277.6	4298.7	4319.8	4446.2	4811.4	5668.4	*6237.3*	6686.8	6862.4	6665.8
22.5°	4446.2	4425.1	4418.1	4404.0	4432.1	4656.9	5401.5	*6054.7*	6722.0	7038.0	6813.3
25°	4706.1	4685.0	4621.8	4544.5	4509.4	4607.7	5225.9	*5900.2*	6757.1	7283.9	7002.9
27.5°	5078.4	5050.3	4958.9	4776.3	4663.9	4678.0	5169.7	*5815.9*	6820.3	7522.7	7185.6
30°	5633.2	5619.2	5415.5	5120.5	4888.7	4804.4	5197.8	*5794.8*	6890.5	7796.6	7368.2
32.5°	6132.0	6117.9	5963.4	5633.2	5246.9	5008.1	5268.0	*5822.9*	6981.9	8147.8	7635.1
35°	6539.3	6511.2	6384.8	6132.0	5738.6	5317.2	5422.5	*5921.2*	7178.5	8611.4	7958.2
37.5°	6953.8	6932.7	6757.1	6490.2	6244.3	5745.6	5682.4	*6146.0*	7445.4	9243.6	8428.8
40°	7452.5	7424.4	7213.6	6897.6	6679.8	6328.6	6054.7	*6504.2*	7852.8	9967.1	8962.6
42.5°	7930.1	7902.0	7656.2	7382.2	7108.3	6890.5	6581.5	*6981.9*	8358.6	10887.2	9594.8
45°	8485.0	8485.0	8140.8	7838.8	7550.8	7283.9	7080.2	*7529.7*	8948.6	11926.7	10297.2
47.5°	9004.8	8955.6	8618.4	8288.3	8007.4	7501.6	7557.8	*8105.7*	9608.8	12980.3	11055.8
50°	9173.3	9159.3	8934.5	8639.5	8400.7	7768.5	8049.5	*8794.0*	10353.4	13984.8	11772.2
52.5°	9370.0	9306.8	8983.7	8941.6	8667.6	8105.7	8653.6	*9503.5*	11034.7	14897.9	12348.2
55°	9615.9	9545.6	9103.1	9018.8	8871.3	8485.0	9341.9	*10234.0*	11680.9	15607.3	12889.0
57.5°	10065.4	9981.1	9356.0	9173.3	9053.9	8962.6	10121.6	*11041.7*	12334.1	16162.2	13352.6
60°	10325.3	10255.0	9721.2	9587.8	9412.2	9622.9	10957.4	*11786.3*	12952.3	16590.7	13710.8
62.5°	10191.8	10142.7	9770.4	10023.2	10163.7	10493.9	11912.7	*12558.9*	13443.9	16913.8	13724.9
65°	9503.5	9405.1	9152.3	9917.9	11027.7	11961.9	13127.9	*13465.0*	13767.0	16042.8	12896.1
67.5°	7852.8	7754.5	7902.0	8688.7	10536.0	14223.6	14799.6	*13830.3*	13184.0	15249.1	12776.7
70°	3568.2	3406.6	4298.7	6146.0	8716.8	13731.9	17124.5	*15347.4*	13774.1	15178.9	12537.8
72.5°	1749.0	1819.2	2100.2	2760.4	5331.2	10543.0	18880.5	*18978.8*	15775.9	15361.5	12706.4
74°	*1369.7*	*1390.8*	*1622.5*	*1896.5*	*2978.2*	*8801.1*	*17939.3*	*19814.7*	*17482.7*	*15797.0*	*12446.5*
75°	1180.0	1208.1	1439.9	1580.4	1917.6	7410.3	16745.2	*19561.8*	18262.4	15712.7	11870.6
77.5°	864.0	856.9	1025.5	1257.3	899.1	3301.3	13563.3	*15157.8*	15572.2	12797.7	7916.0
80°	533.8	554.9	709.4	878.0	597.0	1257.3	7972.2	*8281.3*	7368.2	7410.3	3842.1
82.5°	323.1	337.2	379.3	456.6	330.1	442.5	3610.3	*4502.4*	3729.7	2423.3	646.2
85°	98.3	105.4	126.4	161.6	119.4	161.6	1215.2	*1095.7*	779.7	323.1	189.6
87.5°	7.0	7.0	14.0	14.0	21.1	35.1	49.2	*56.2*	63.2	70.2	70.2
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: P1363362
CATALOG NUMBER: GSS-SB3D-740-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5984.4	5984.4	5984.4	5984.4	5984.4	5984.4	5984.4	5984.4	5984.4	5984.4	5984.4
2.5°	6005.5	5984.4	5956.4	5907.2	5872.1	5836.9	5794.8	5731.6	5710.5	5717.5	5731.6
5°	6054.7	5998.5	5914.2	5801.8	5717.5	5647.3	5534.9	5443.6	5387.4	5387.4	5359.3
7.5°	6103.9	6026.6	5893.1	5703.5	5556.0	5359.3	5148.6	4937.9	4790.4	4727.2	4671.0
10°	6188.1	6068.7	5851.0	5598.1	5282.0	4888.7	4460.2	4024.8	3750.8	3610.3	3603.3
12.5°	6244.3	6124.9	5829.9	5422.5	4825.5	4080.9	3427.7	3069.5	2957.1	2907.9	2893.9
15°	6335.6	6174.1	5780.8	5099.4	4123.1	3231.0	2872.8	2767.5	2760.4	2767.5	2774.5
17.5°	6412.9	6216.2	5654.3	4586.7	3308.3	2809.6	2718.3	2711.3	2760.4	2781.5	2802.6
20°	6497.2	6251.4	5429.6	3870.2	2851.7	2683.2	2669.1	2711.3	2781.5	2837.7	2844.7
22.5°	6616.6	6279.5	5036.2	3160.8	2634.0	2612.9	2648.0	2690.2	2732.3	2781.5	2795.6
25°	6743.0	6279.5	4495.4	2676.1	2521.6	2577.8	2612.9	2577.8	2563.8	2605.9	2605.9
27.5°	6841.4	6230.3	3729.7	2416.3	2444.4	2535.7	2514.6	2437.3	2423.3	2451.4	2444.4
30°	6911.6	6047.7	2957.1	2275.8	2367.1	2444.4	2388.2	2346.0	2317.9	2324.9	2332.0
32.5°	7017.0	5766.7	2423.3	2177.4	2303.9	2296.8	2289.8	2247.7	2212.6	2219.6	2226.6
35°	7143.4	5303.1	2121.2	2107.2	2247.7	2191.5	2198.5	2149.3	2107.2	2107.2	2114.2
37.5°	7305.0	4748.2	1994.8	2079.1	2156.4	2149.3	2128.3	2065.1	2001.8	1987.8	1987.8
40°	7480.6	4066.9	1931.6	2065.1	2114.2	2135.3	2093.2	2015.9	1847.3	1742.0	1734.9
42.5°	7592.9	3505.0	1910.5	2044.0	2107.2	2128.3	2072.1	1833.3	1671.7	1601.5	1594.4
45°	7754.5	3195.9	1910.5	1987.8	2079.1	2100.2	1903.5	1742.0	1650.6	1615.5	1622.5
47.5°	7916.0	3195.9	1910.5	1945.6	2001.8	2029.9	1770.0	1699.8	1615.5	1615.5	1643.6
50°	8140.8	3371.5	1896.5	1882.4	1903.5	1798.1	1685.8	1629.6	1517.2	1475.0	1482.1
52.5°	8478.0	3638.4	1840.3	1791.1	1798.1	1664.7	1629.6	1545.3	1432.9	1348.6	1327.5
55°	8843.2	3926.4	1727.9	1685.8	1678.7	1580.4	1566.4	1475.0	1369.7	1257.3	1236.2
57.5°	9243.6	4158.2	1587.4	1580.4	1559.3	1496.1	1517.2	1454.0	1306.5	1159.0	1137.9
60°	9622.9	4418.1	1454.0	1468.0	1432.9	1418.8	1446.9	1404.8	1222.2	1060.6	1046.6
62.5°	9622.9	4411.1	1334.6	1348.6	1341.6	1306.5	1355.6	1327.5	1109.8	976.3	962.3
65°	9096.1	4214.4	1194.1	1229.2	1257.3	1187.1	1250.3	1201.1	1011.5	906.1	885.0
67.5°	9025.8	4137.1	1053.6	1088.7	1137.9	1060.6	1102.8	1053.6	920.1	828.8	814.8
70°	8885.4	3961.5	927.2	969.3	990.4	906.1	962.3	927.2	828.8	758.6	744.5
72.5°	8955.6	3807.0	793.7	842.9	849.9	772.6	828.8	814.8	730.5	681.3	653.2
74°	*8562.3*	*3294.3*	*716.4*	*758.6*	*744.5*	*688.4*	*737.5*	*737.5*	*660.3*	*625.1*	*590.0*
75°	8042.5	2922.0	660.3	702.4	667.3	632.2	681.3	688.4	611.1	611.1	554.9
77.5°	5282.0	1959.7	519.8	547.9	533.8	512.8	540.8	533.8	477.6	463.6	428.5
80°	2584.8	1074.7	393.3	379.3	386.3	379.3	400.4	393.3	365.2	351.2	344.2
82.5°	484.7	358.2	259.9	252.9	238.8	224.8	252.9	252.9	337.2	379.3	379.3
85°	147.5	140.5	126.4	126.4	119.4	105.4	112.4	161.6	196.7	133.5	126.4
87.5°	63.2	63.2	56.2	49.2	35.1	35.1	28.1	28.1	28.1	28.1	28.1
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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

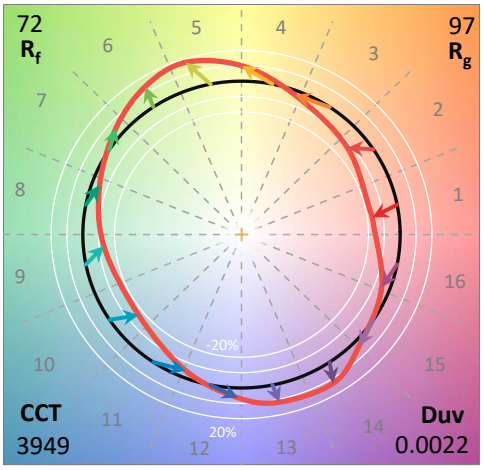
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

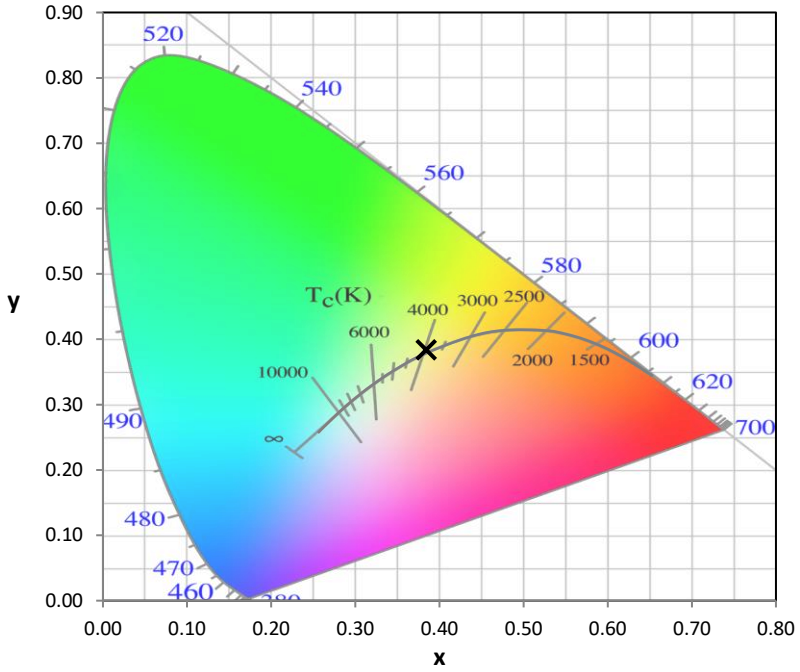
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

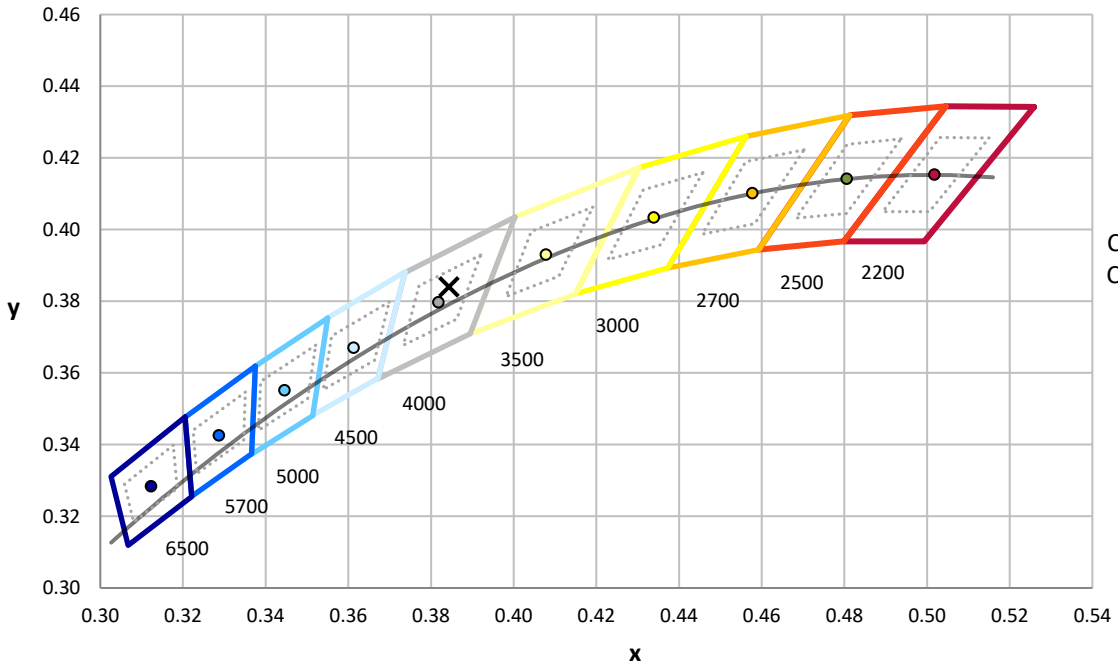
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

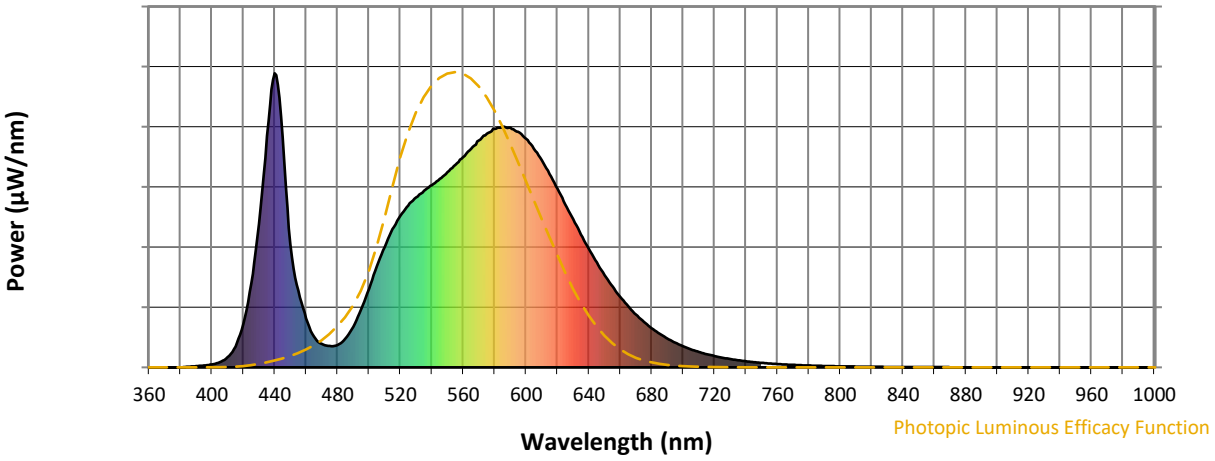


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

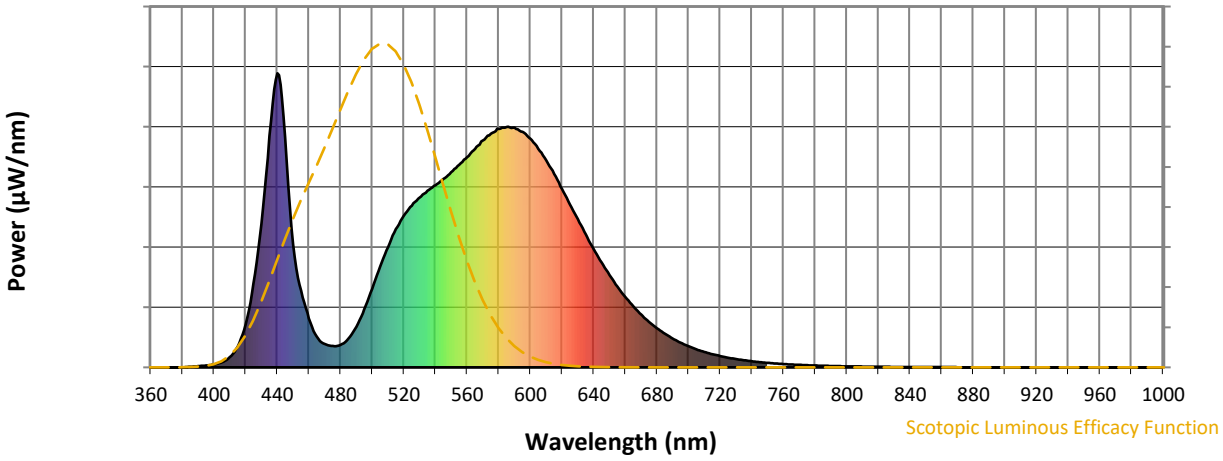


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

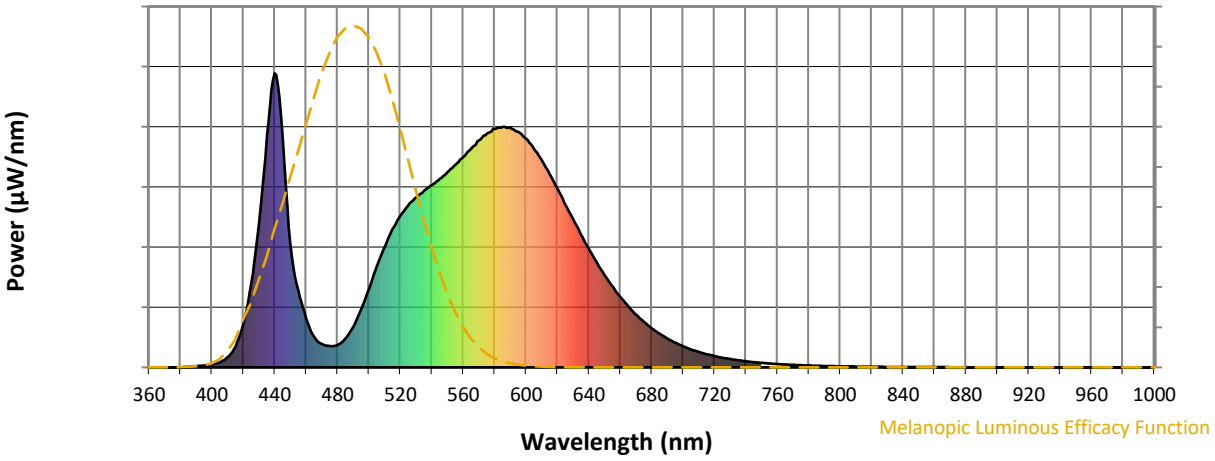


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

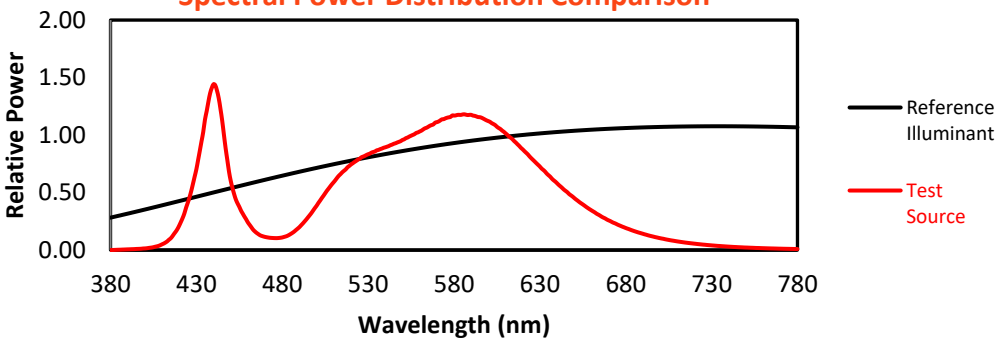
REPORT NUMBER: SP1-2407-184-1

TM-30-18

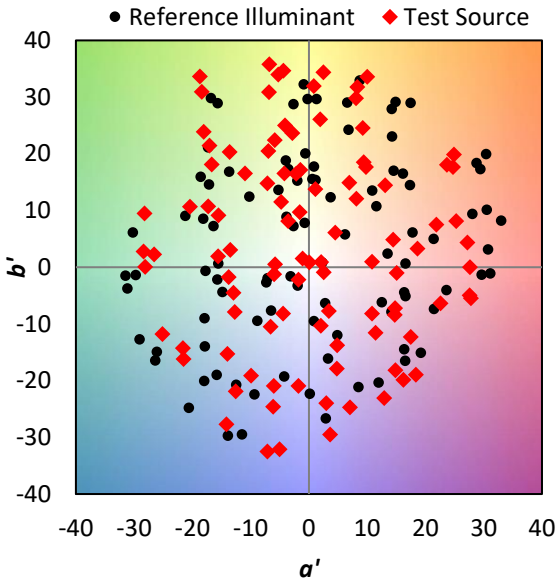
Summary

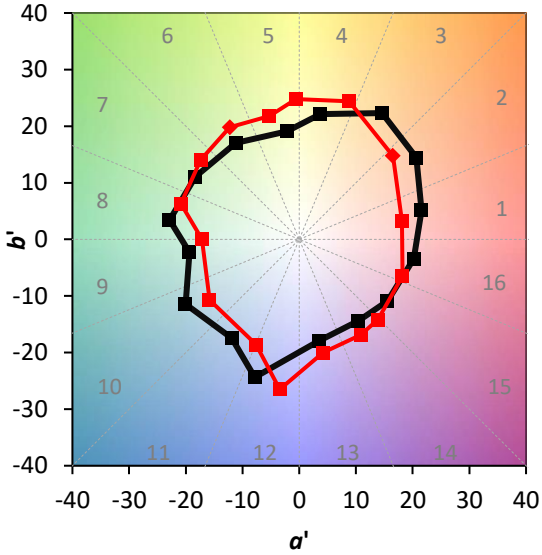
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

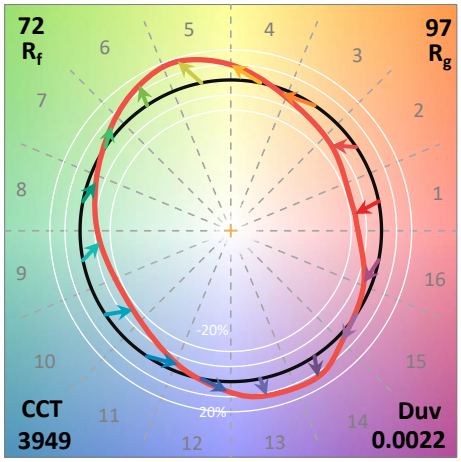
Spectral Power Distribution Comparison

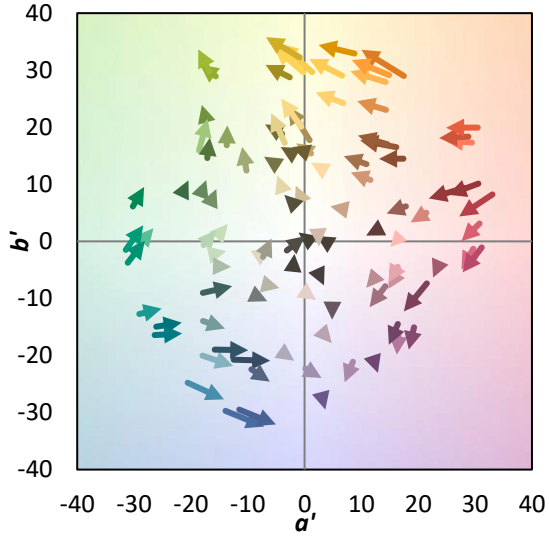


Color Vector Graphics







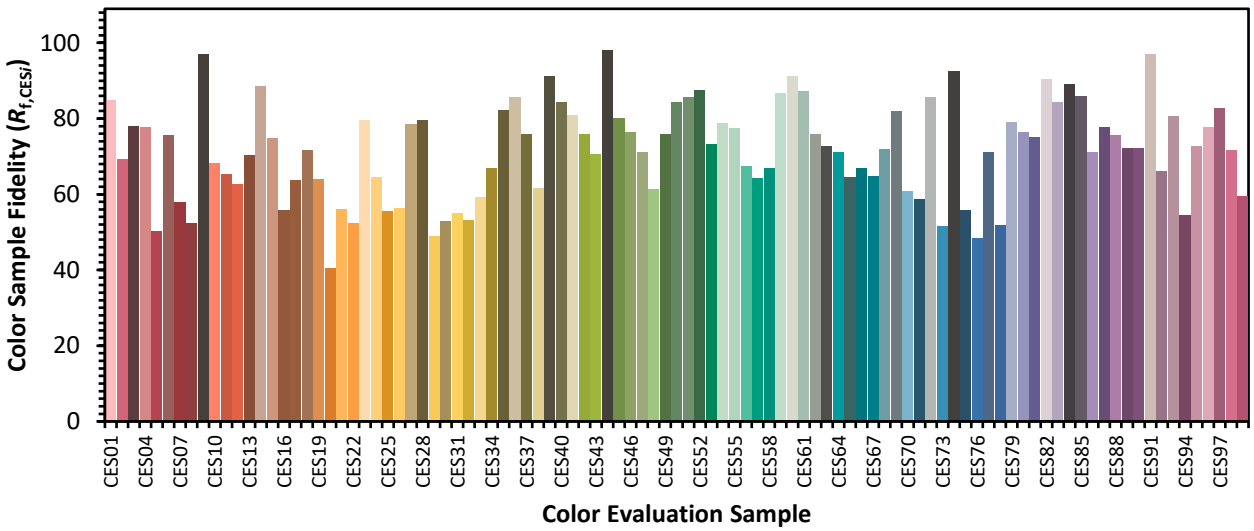


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

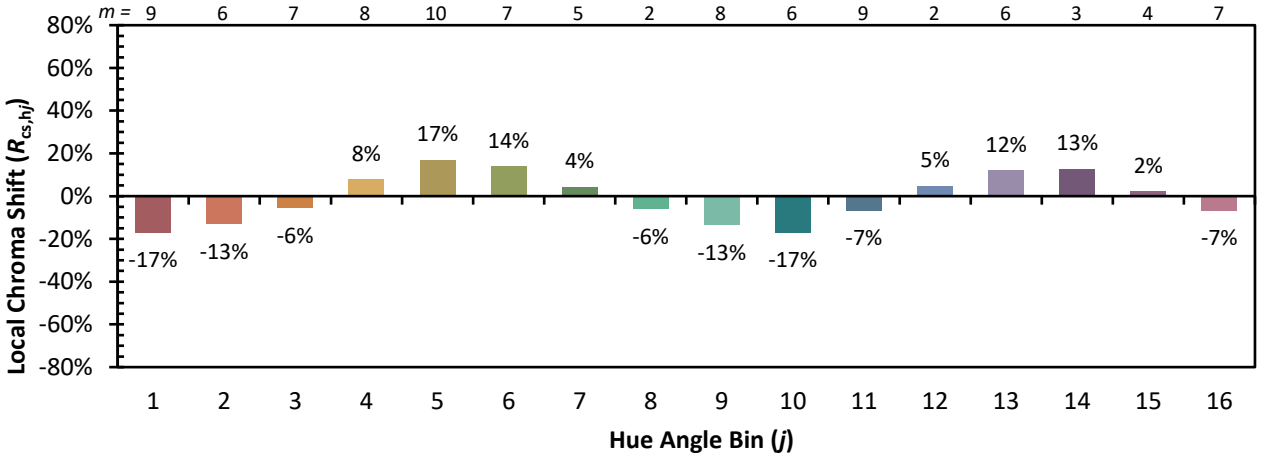
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

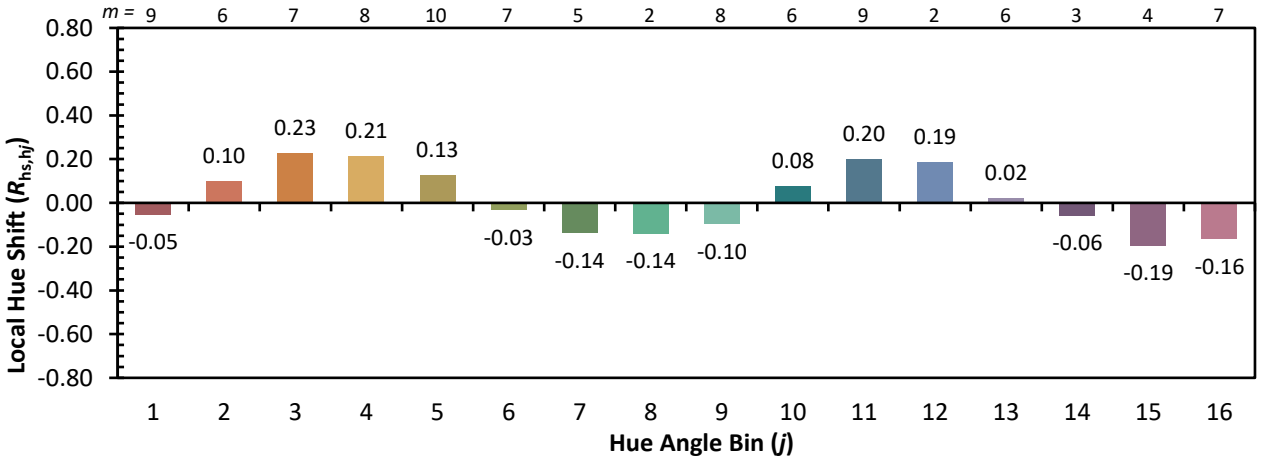


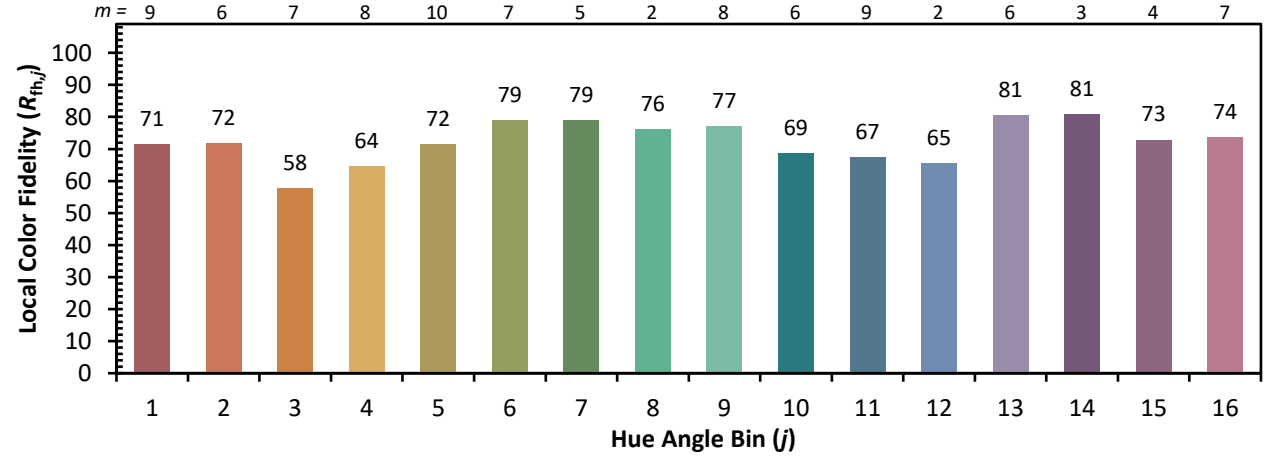
REPORT NUMBER: SP1-2407-184-1

TM-30-18

Color Rendition by Hue-Angle Bin



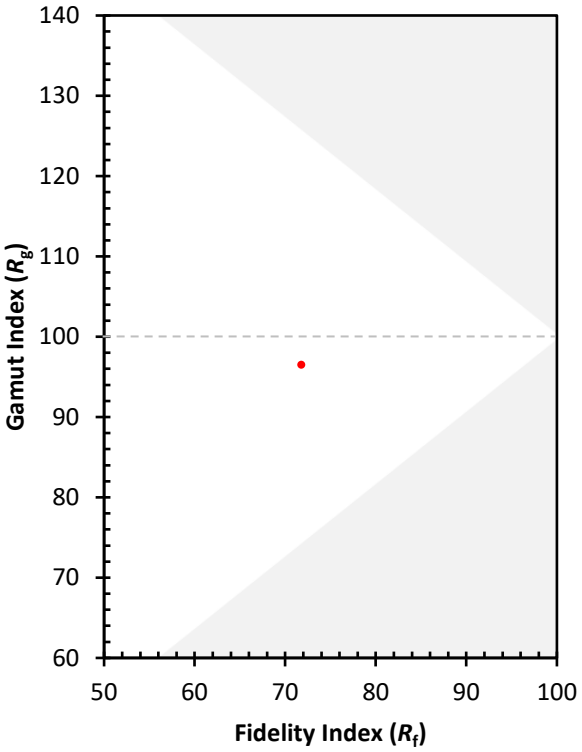


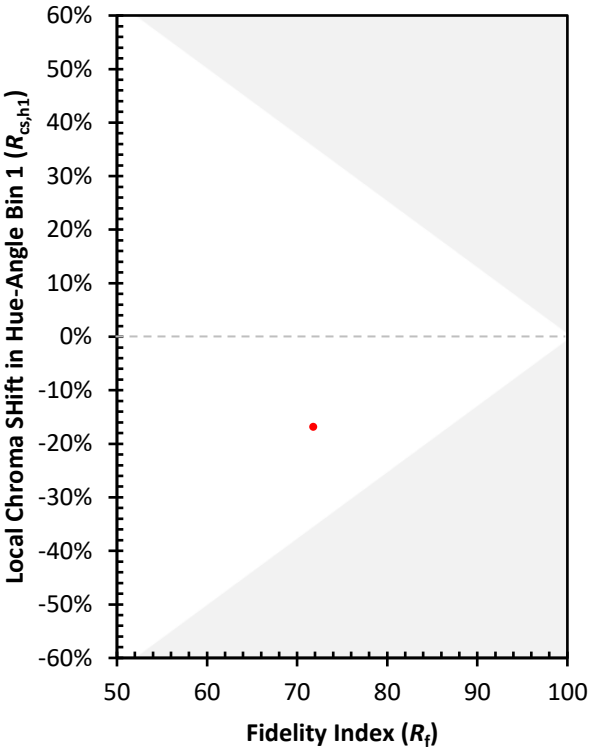


REPORT NUMBER: SP1-2407-184-1

TM-30-18

Measure Comparisons





(END OF REPORT)