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: P1362670

Luminaire Tested: **GSS-SB4D-730-U-SL2**

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:	P1362670
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4D-730-U-SL2
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 238W 70CRI 3000K FIXTURE w/ TYPE II SPILL CONTROL DISTRIBUTION OPTIC
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	31405.7 lumens
Efficiency:	N/A
Efficacy:	132.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G4

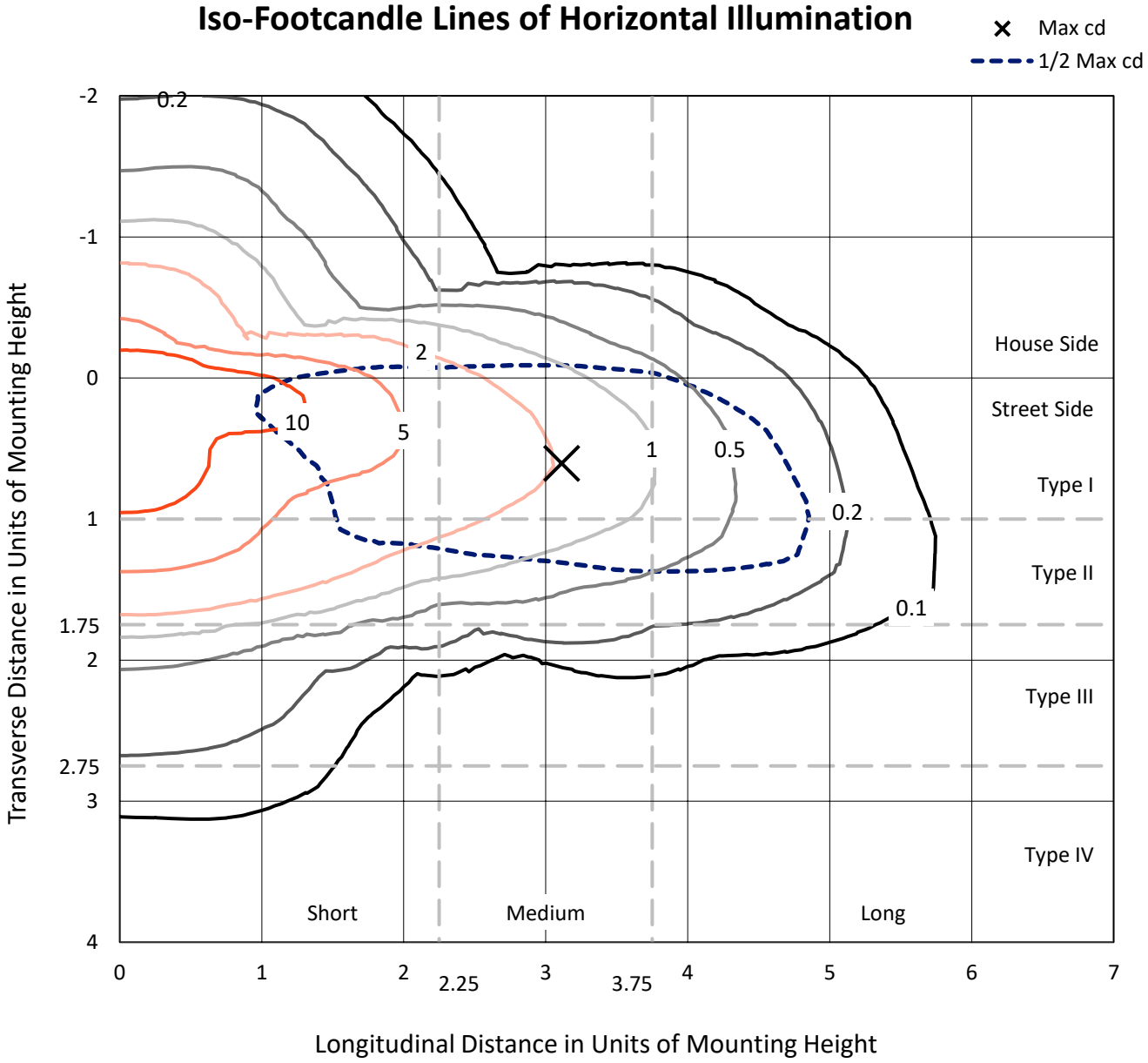
Input Watts (W):	238
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1362670
CATALOG NUMBER: GSS-SB4D-730-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



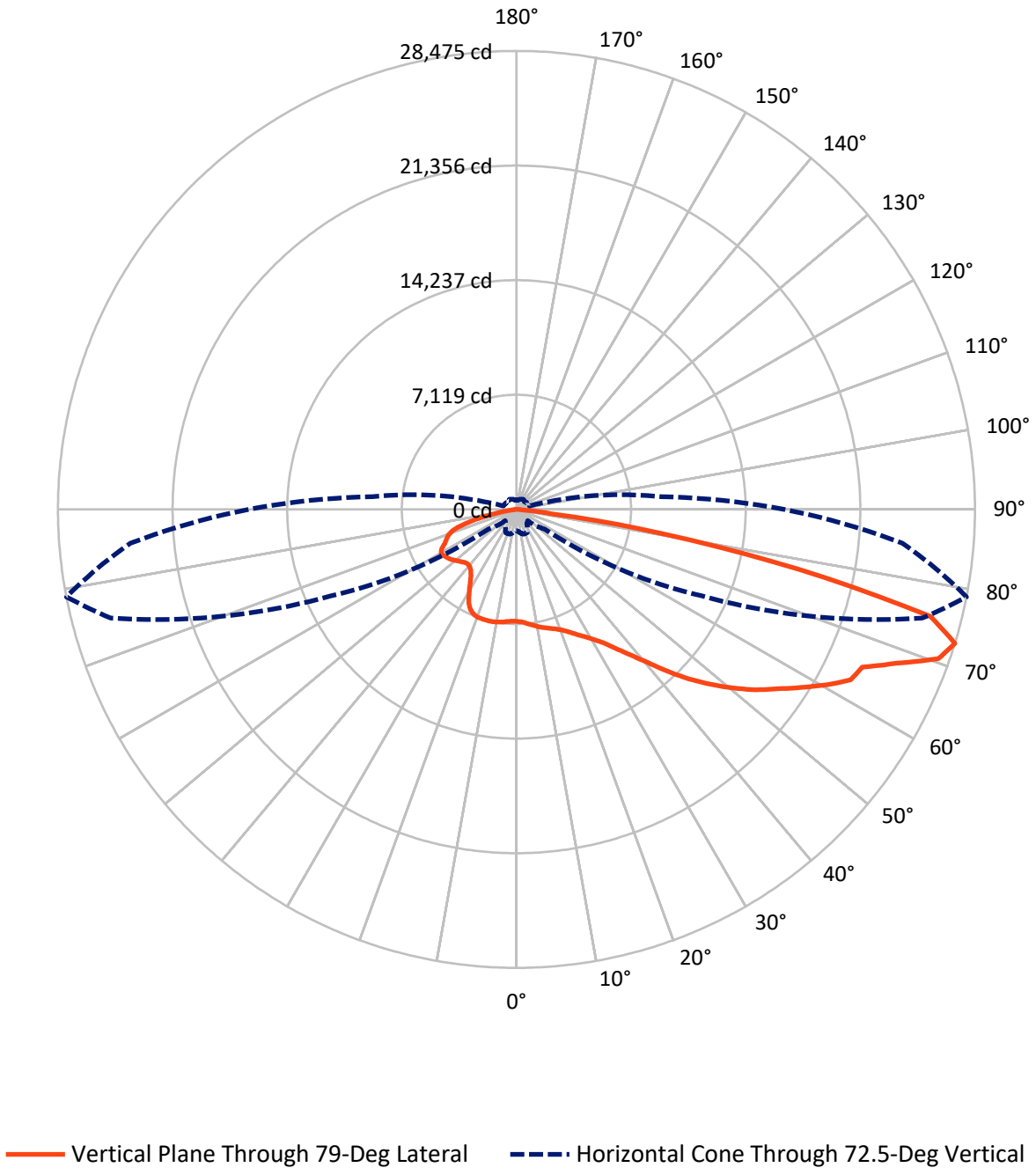
Based on 20 foot mounting height. Maximum calculated value = 17.5 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1362670
CATALOG NUMBER: GSS-SB4D-730-U-SL2

Luminous Intensity Polar Plot



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

Scaled Data Report

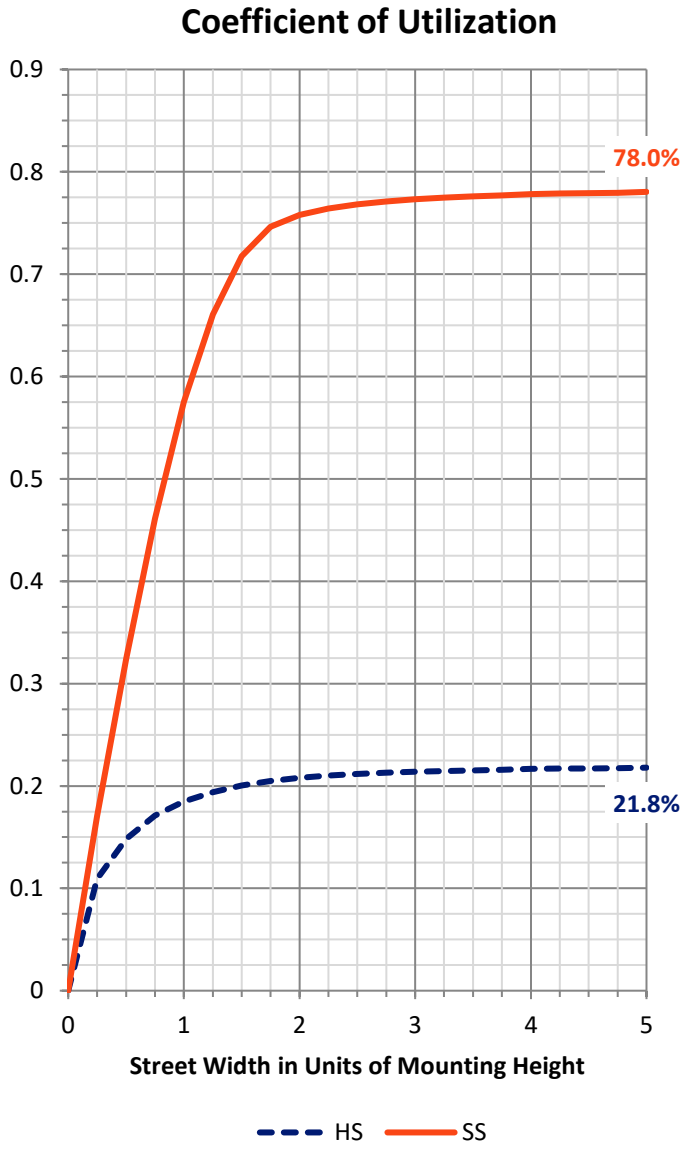
REPORT NUMBER: P1362670
CATALOG NUMBER: GSS-SB4D-730-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6898.8	0.0	6898.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	24506.9	0.0	24506.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	31405.7	0.0	31405.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.7	2.1
10°-20°	1603.5	5.1
20°-30°	2524.6	8.0
30°-40°	3767.5	12.0
40°-50°	5356.9	17.1
50°-60°	6766.7	21.5
60°-70°	6333.8	20.2
70°-80°	4023.3	12.8
80°-90°	383.8	1.2
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°	31405.7	100.0
0°-180°	31405.7	100.0



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

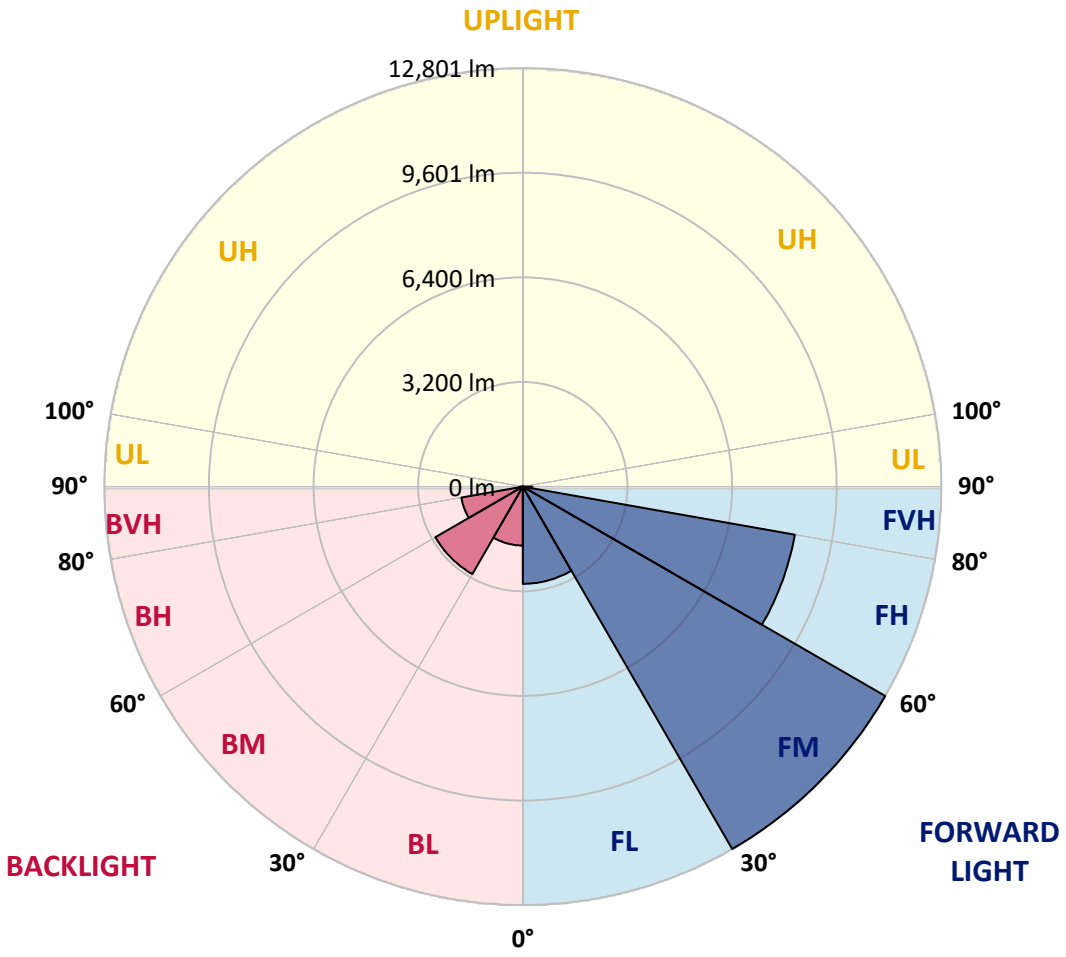
Scaled Data Report

REPORT NUMBER: P1362670
CATALOG NUMBER: GSS-SB4D-730-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2972.7	9.5			
FM	(30°-60°)	12801.0	40.8			
FH	(60°-80°)	8447.3	26.9			G4/12000
FVH	(80°-90°)	285.9	0.9			G3/500
BL	(0°-30°)	1801.1	5.7	B3/2500		
BM	(30°-60°)	3090.1	9.8	B3/5000		
BH	(60°-80°)	1909.7	6.1	B3/2500		G3/2500
BVH	(80°-90°)	97.9	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 II Medium



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

Scaled Data Report

REPORT NUMBER: P1362670
CATALOG NUMBER: GSS-SB4D-730-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	*6955.1*	6955.1
2.5°	7118.6	7126.0	7096.3	7096.3	7103.8	7074.0	7036.9	7029.4	6999.7	*6999.7*	6999.7
5°	7155.8	7155.8	7148.3	7185.5	7200.4	7222.6	7192.9	7170.6	7126.0	*7126.0*	7066.6
7.5°	6761.9	6747.1	6806.5	6977.4	7155.8	7252.4	7311.8	7311.8	7289.5	*7252.4*	7200.4
10°	6018.9	6041.2	6130.3	6360.7	6687.6	7126.0	7363.8	7460.4	7423.3	*7408.4*	7319.2
12.5°	5625.0	5617.6	5684.5	5855.4	6137.8	6672.8	7259.8	7564.5	7571.9	*7534.7*	7430.7
15°	5580.5	5558.2	5587.9	5647.3	5833.1	6264.1	6947.7	7601.6	7675.9	*7661.1*	7542.2
17.5°	5833.1	5825.7	5781.1	5766.2	5758.8	5996.6	6643.1	7571.9	7817.1	*7802.2*	7668.5
20°	6271.5	6234.4	6152.6	6078.3	5922.3	5944.6	6405.3	7534.7	8010.3	*7988.0*	7854.3
22.5°	6739.7	6754.5	6680.2	6501.9	6226.9	6100.6	6331.0	7482.7	8270.4	*8255.5*	8077.2
25°	7311.8	7297.0	7207.8	7007.2	6643.1	6368.1	6412.7	7467.9	8567.6	*8582.5*	8367.0
27.5°	7898.8	7884.0	7772.5	7519.9	7096.3	6695.1	6598.5	7527.3	8946.6	*8939.1*	8671.6
30°	8552.7	8560.2	8419.0	8077.2	7564.5	7103.8	6895.7	7683.4	9325.5	*9347.8*	9020.9
32.5°	9139.8	9176.9	9095.2	8775.7	8136.6	7527.3	7259.8	7936.0	9830.8	*9868.0*	9466.7
35°	9511.3	9533.6	9526.2	9377.6	8745.9	8010.3	7623.9	8255.5	10440.1	*10581.3*	10061.2
37.5°	9868.0	9920.0	9927.4	9816.0	9340.4	8582.5	8054.9	8701.4	11220.4	*11450.7*	10841.4
40°	10254.4	10239.5	10343.5	10209.8	9875.4	9191.8	8500.7	9206.6	12082.3	*12461.3*	11755.4
42.5°	10484.7	10521.9	10655.6	10625.9	10291.5	9756.5	9006.0	9771.4	13159.8	*13717.1*	12862.6
45°	10633.3	10670.5	10863.7	10893.4	10715.1	10142.9	9481.6	10313.8	14148.1	*15017.5*	14051.5
47.5°	10685.4	10707.6	10960.3	11079.2	11004.9	10388.1	9853.1	10930.6	15121.5	*16243.5*	15240.4
50°	10477.3	10559.0	10886.0	11153.5	11205.5	10514.4	10172.6	11584.5	16169.2	*17432.4*	16436.7
52.5°	10157.8	10202.4	10596.2	11168.4	11331.8	10722.5	10566.5	12275.5	17157.5	*18621.3*	17462.2
55°	9533.6	9622.8	10113.2	10923.1	11406.1	10997.4	11079.2	13055.8	18182.9	*19661.6*	18576.8
57.5°	7765.1	7921.1	8731.1	9875.4	11205.5	11539.9	11844.5	14021.7	19305.0	*20865.4*	19572.5
60°	4867.1	5075.2	5922.3	7772.5	10068.6	11859.4	13063.2	15277.5	20642.5	*22128.6*	20679.7
62.5°	2637.9	2630.5	2883.1	3975.4	7259.8	11027.2	14110.9	17454.7	22366.4	*23302.7*	21326.1
65°	2288.7	2288.7	2318.4	2310.9	3135.8	8136.6	13070.6	18755.1	23555.3	*23614.8*	20776.3
67.5°	2058.3	2058.3	2102.9	1991.4	1709.1	3641.0	9563.3	17982.3	25524.5	*25487.3*	21482.2
70°	1813.1	1820.5	1894.8	1828.0	1374.7	1478.7	5231.2	16377.3	26995.8	*27790.8*	22886.6
72.5°	*1330.1*	*1374.7*	*1590.2*	*1590.2*	*1129.5*	*995.7*	*2125.2*	*12699.1*	*26074.3*	*28474.5*	*24053.2*
75°	936.3	943.7	1055.2	1136.9	891.7	750.5	1032.9	8500.7	23919.4	*26564.8*	23012.9
77.5°	713.3	720.8	757.9	906.5	609.3	549.9	713.3	4644.2	17254.1	*17937.7*	14928.3
80°	475.6	468.1	520.1	639.0	431.0	371.5	460.7	1553.0	9682.2	*9236.4*	6234.4
82.5°	237.8	245.2	282.4	334.4	252.6	222.9	267.5	802.5	3797.1	*2206.9*	906.5
85°	66.9	81.7	96.6	133.8	104.0	96.6	126.3	282.4	483.0	*356.7*	245.2
87.5°	7.4	7.4	14.9	14.9	14.9	22.3	37.2	59.4	81.7	*81.7*	81.7
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: P1362670
CATALOG NUMBER: GSS-SB4D-730-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1	6955.1
2.5°	6984.9	6962.6	6932.8	6888.3	6888.3	6836.2	6806.5	6747.1	6769.4	6739.7	6724.8
5°	7051.7	7022.0	6955.1	6880.8	6806.5	6695.1	6605.9	6479.6	6464.7	6435.0	6390.4
7.5°	7170.6	7096.3	7014.6	6843.7	6702.5	6449.9	6249.2	5996.6	5855.4	5766.2	5773.7
10°	7289.5	7192.9	7022.0	6799.1	6494.4	6078.3	5558.2	5060.3	4681.3	4465.9	4510.4
12.5°	7371.3	7267.2	7036.9	6680.2	6115.5	5283.2	4317.2	3611.3	3336.4	3195.2	3195.2
15°	7453.0	7319.2	7014.6	6427.6	5402.1	3982.9	3217.5	2950.0	2875.7	2831.1	2816.2
17.5°	7557.0	7401.0	6947.7	5959.4	4257.8	3113.5	2846.0	2764.2	2764.2	2756.8	2741.9
20°	7683.4	7497.6	6866.0	5216.4	3269.5	2793.9	2719.6	2704.8	2719.6	2712.2	2704.8
22.5°	7876.5	7616.5	6657.9	4190.9	2808.8	2645.3	2637.9	2563.6	2578.5	2593.3	2585.9
25°	8121.8	7765.1	6264.1	3202.6	2578.5	2548.7	2474.4	2407.5	2400.1	2407.5	2407.5
27.5°	8352.1	7876.5	5625.0	2637.9	2415.0	2407.5	2340.7	2281.2	2281.2	2288.7	2288.7
30°	8604.8	7943.4	4644.2	2348.1	2318.4	2281.2	2258.9	2236.6	2244.1	2266.4	2266.4
32.5°	8939.1	8010.3	3685.6	2184.6	2221.8	2169.8	2184.6	2177.2	2192.1	2229.2	2236.6
35°	9347.8	8040.0	2950.0	2088.0	2088.0	2043.4	2050.9	2021.2	2021.2	2043.4	2058.3
37.5°	9890.3	8054.9	2481.9	2036.0	1984.0	1961.7	1946.8	1909.7	1857.7	1820.5	1828.0
40°	10477.3	8092.0	2229.2	1998.9	1939.4	1932.0	1902.3	1850.2	1701.6	1582.7	1575.3
42.5°	11257.5	8196.1	2102.9	1939.4	1939.4	1939.4	1894.8	1664.5	1545.6	1463.8	1456.4
45°	12045.2	8471.0	2036.0	1887.4	1932.0	1939.4	1738.8	1597.6	1501.0	1411.8	1389.5
47.5°	12922.0	8864.8	2006.3	1857.7	1880.0	1894.8	1634.8	1567.9	1456.4	1352.4	1330.1
50°	13791.4	9281.0	1976.6	1805.7	1805.7	1709.1	1612.5	1538.2	1426.7	1315.2	1300.4
52.5°	14712.8	9763.9	1946.8	1716.5	1709.1	1605.0	1590.2	1530.7	1411.8	1270.7	1240.9
55°	15515.3	10202.4	1894.8	1612.5	1605.0	1501.0	1575.3	1501.0	1322.7	1159.2	1129.5
57.5°	16280.7	10559.0	1828.0	1501.0	1515.9	1419.3	1515.9	1441.6	1240.9	1077.5	1062.6
60°	17008.9	10930.6	1738.8	1404.4	1404.4	1345.0	1441.6	1345.0	1159.2	995.7	973.4
62.5°	17224.4	10811.7	1590.2	1300.4	1292.9	1248.4	1345.0	1233.5	1055.2	906.5	884.3
65°	16481.3	10202.4	1411.8	1196.3	1174.1	1136.9	1203.8	1099.7	936.3	817.4	809.9
67.5°	16585.3	9964.6	1211.2	1062.6	1040.3	1010.6	1032.9	951.1	824.8	735.6	728.2
70°	16719.1	9704.5	1025.4	936.3	884.3	832.2	884.3	817.4	728.2	653.9	646.5
72.5°	*16615.1*	*8983.7*	*847.1*	*787.7*	*750.5*	*691.1*	*757.9*	*705.9*	*631.6*	*572.2*	*557.3*
75°	15114.1	7222.6	691.1	646.5	601.9	564.7	609.3	594.5	535.0	527.6	475.6
77.5°	10165.2	4629.3	535.0	497.9	483.0	445.8	475.6	453.3	423.6	393.8	371.5
80°	4406.4	2073.2	386.4	349.2	334.4	312.1	341.8	334.4	319.5	297.2	289.8
82.5°	631.6	490.4	260.1	237.8	200.6	185.8	200.6	215.5	312.1	379.0	371.5
85°	178.3	148.6	126.3	111.5	89.2	74.3	81.7	133.8	178.3	111.5	96.6
87.5°	81.7	74.3	59.4	37.2	22.3	22.3	14.9	7.4	7.4	0.0	0.0
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

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

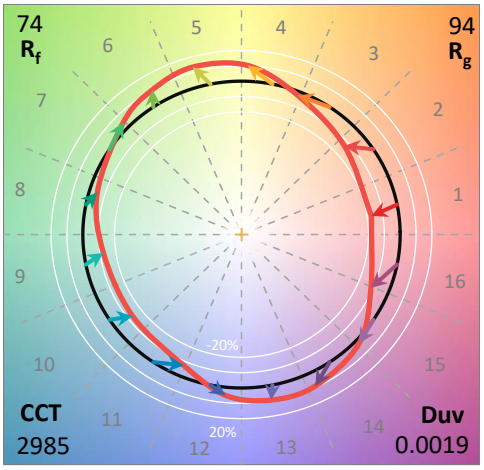
Test Information

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

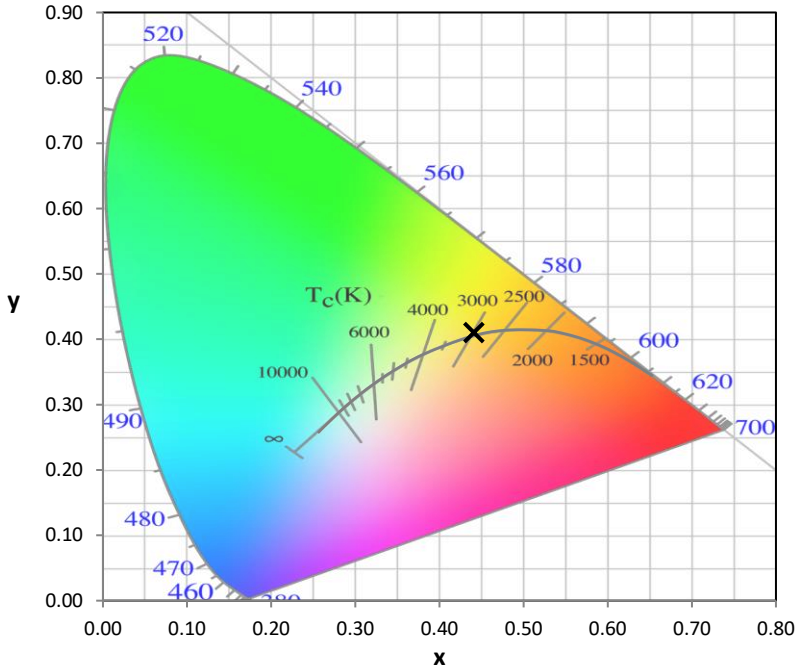
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

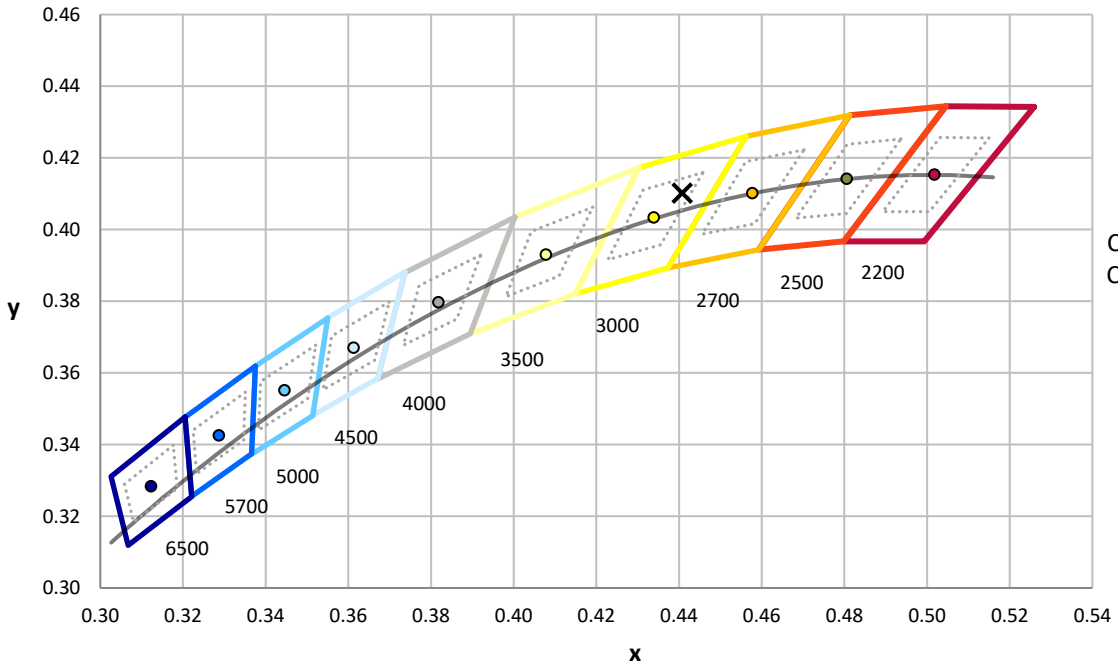
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

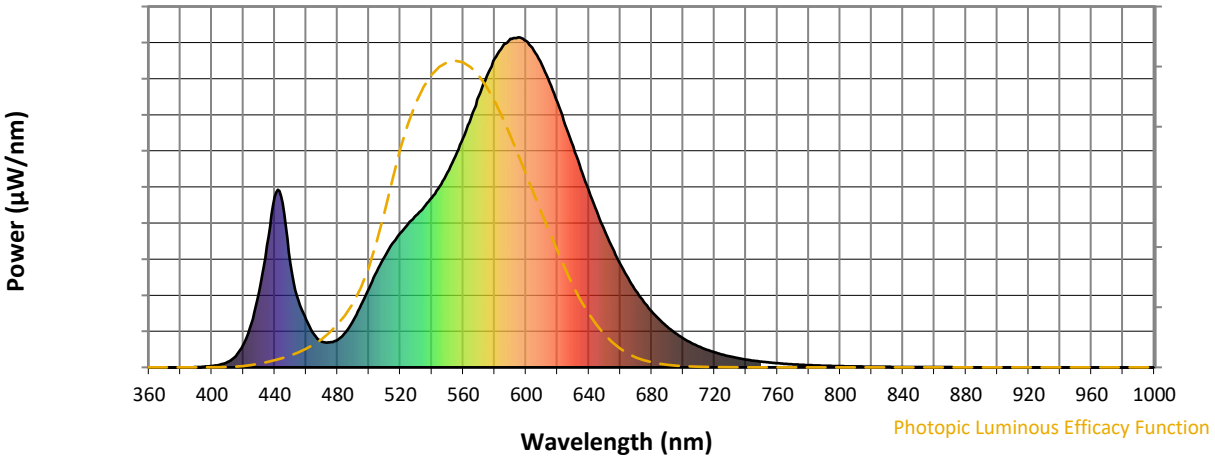


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

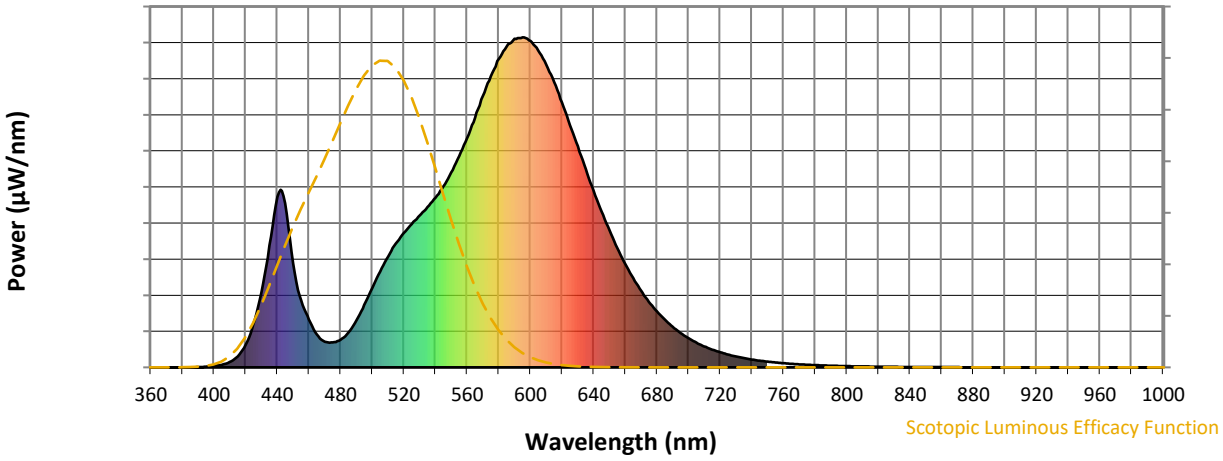


Photopic Lumens: NR

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

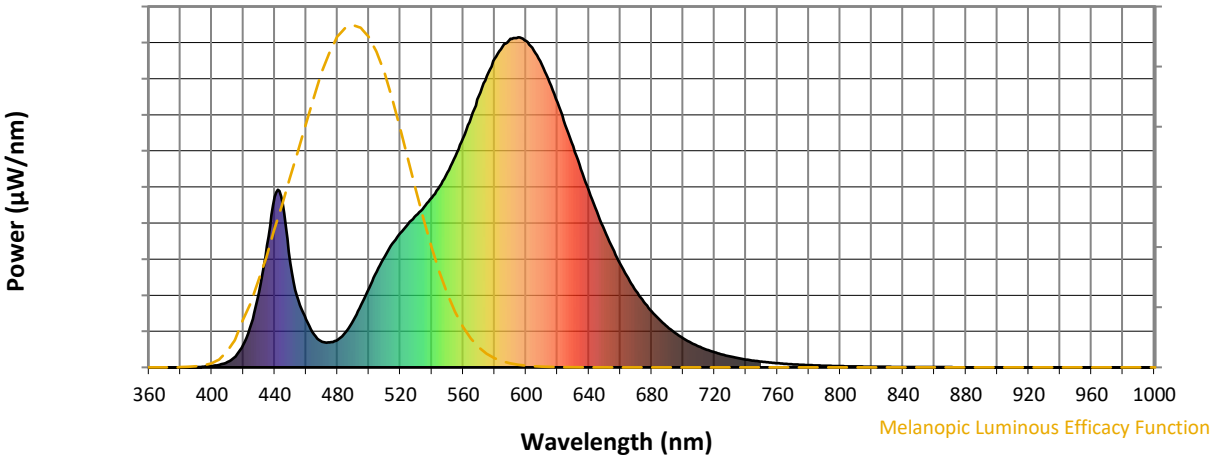


Scotopic Lumens: NR **S/P: 1.19**

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			

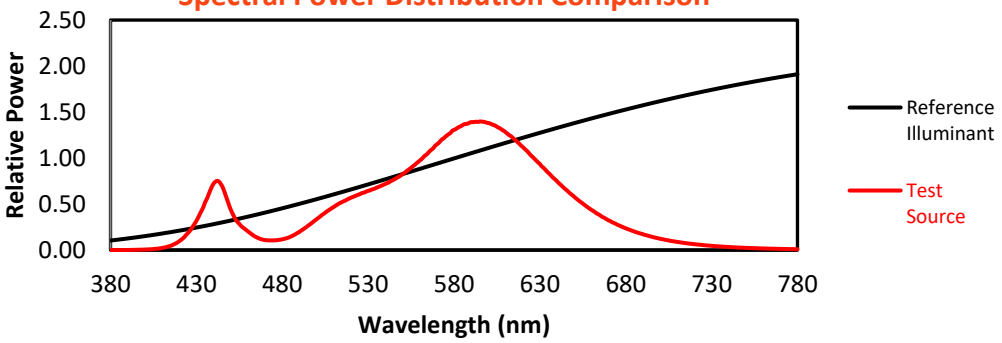
REPORT NUMBER: SP1-2407-184-4

TM-30-18

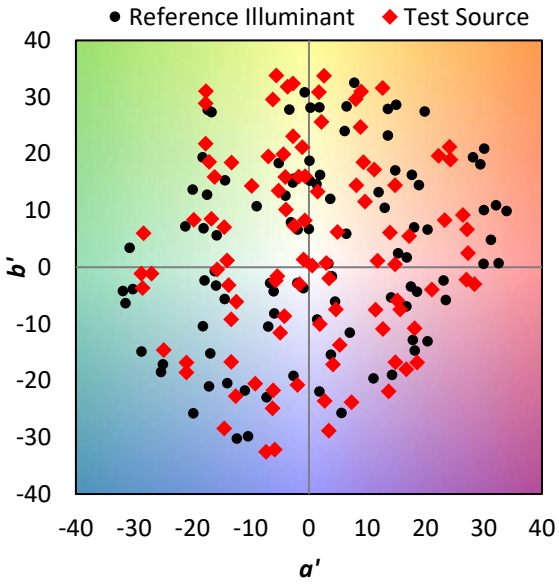
Summary

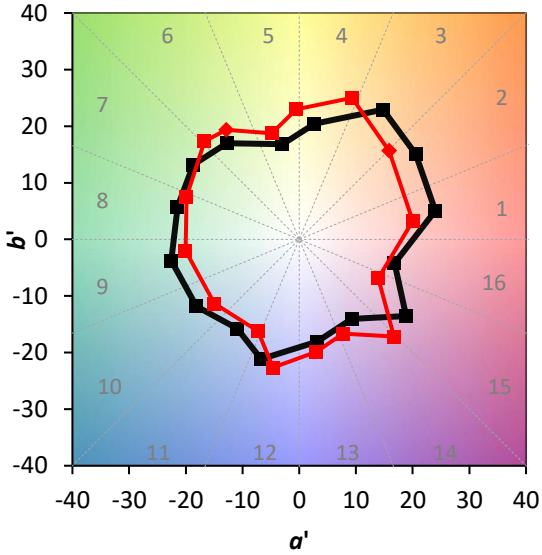
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

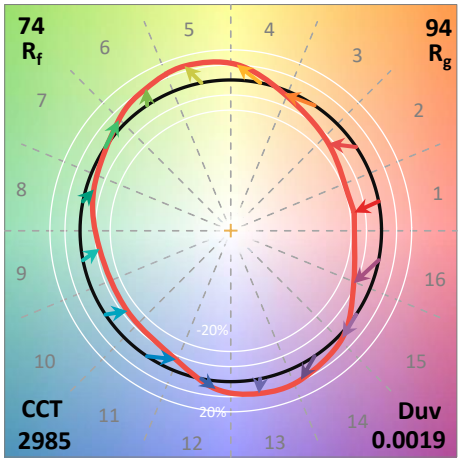
Spectral Power Distribution Comparison

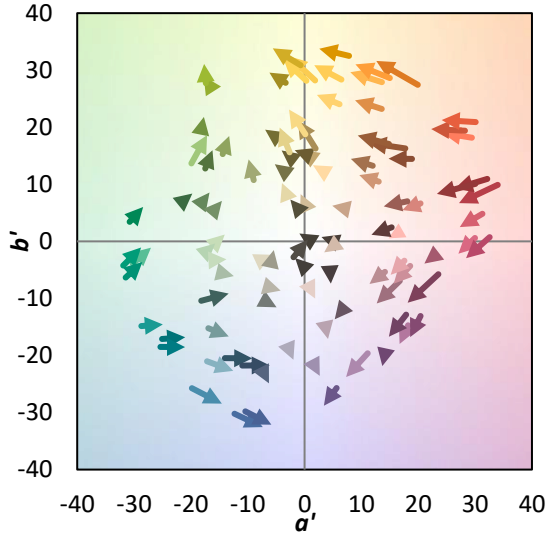


Color Vector Graphics







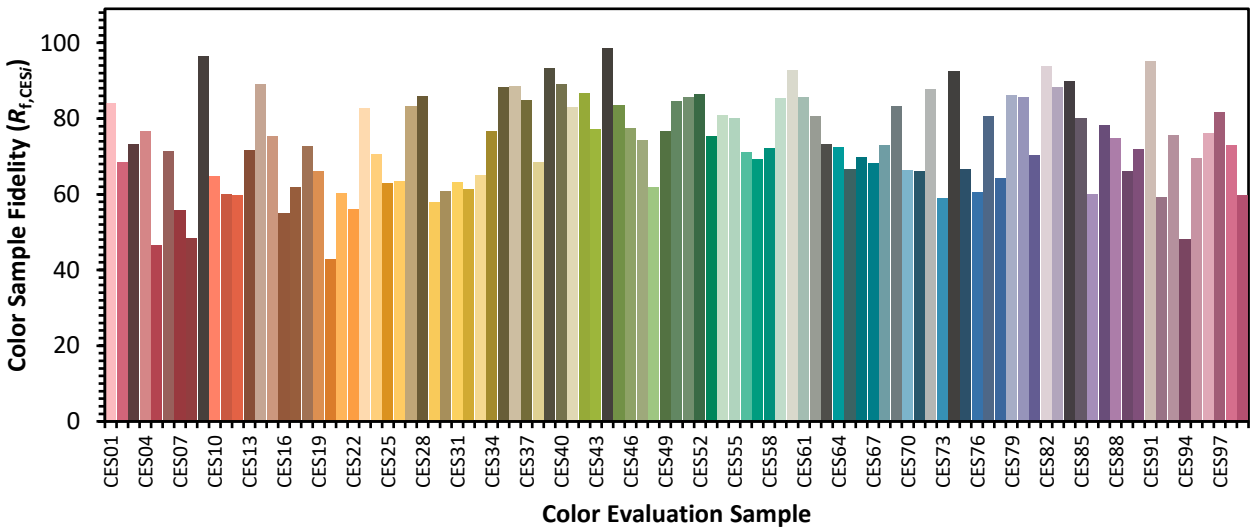


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

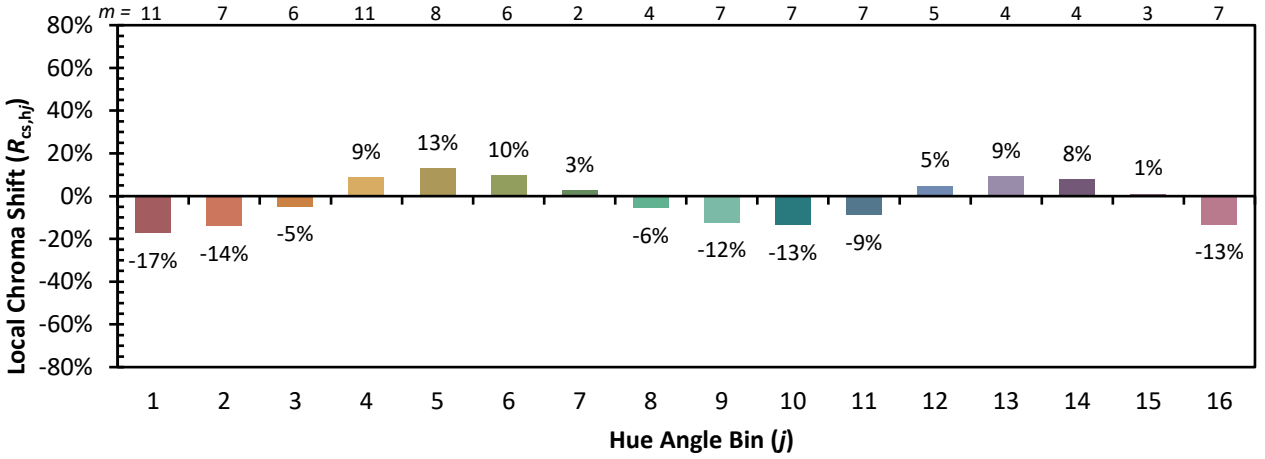
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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

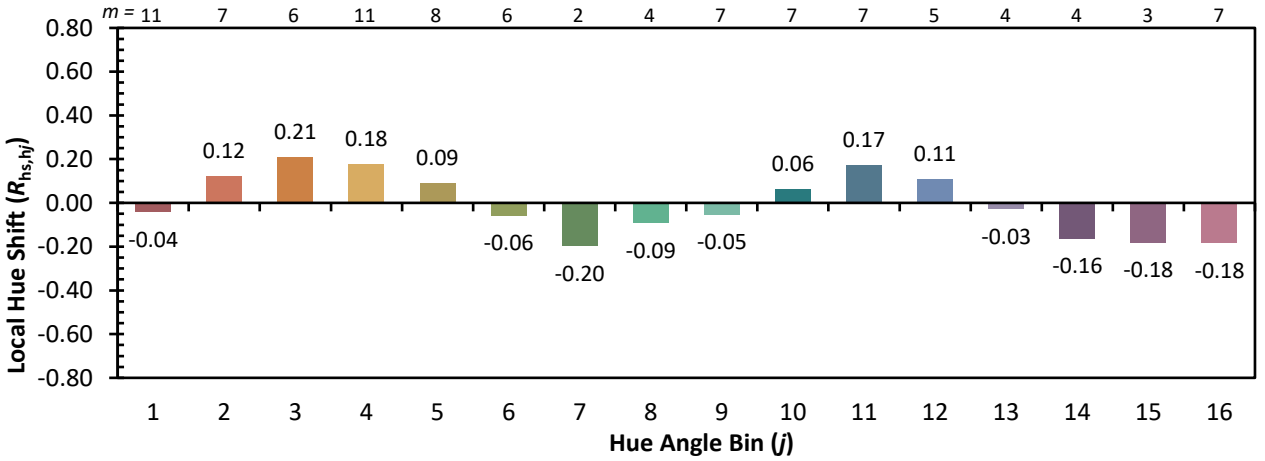


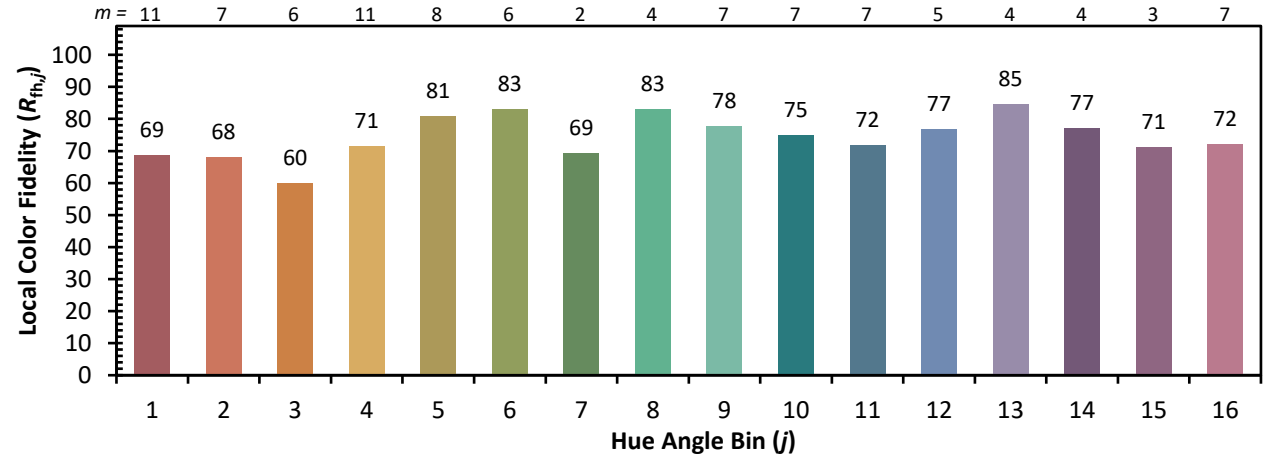
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



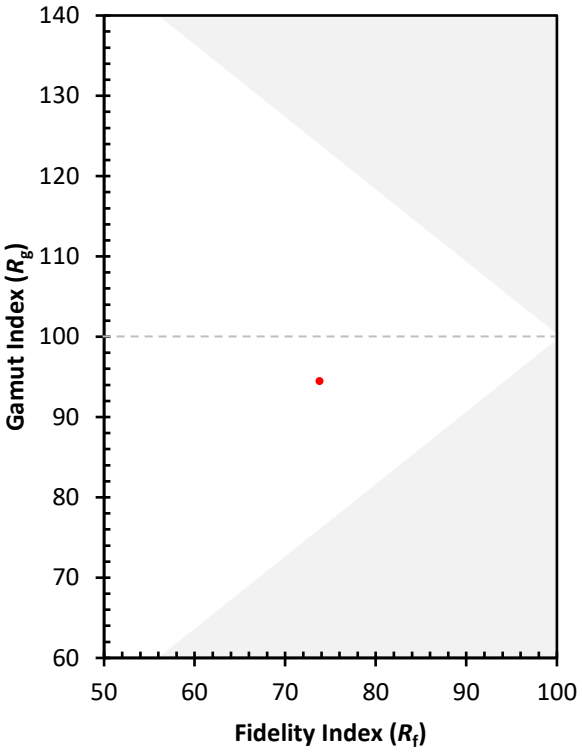


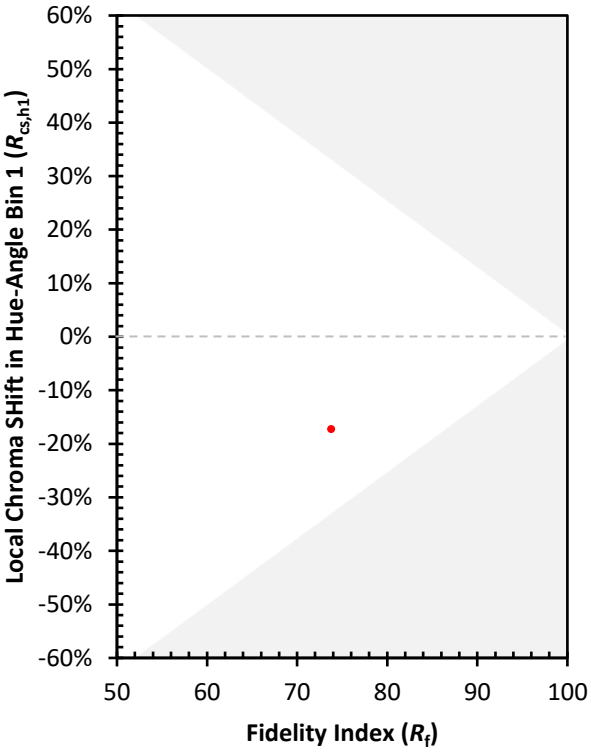


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)