Signify Classified - Internal

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: P1366893

Luminaire Tested: **GSS-SB4C-730-U-T3R-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:	P1366893
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-730-U-T3R-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 3000K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23156.5 lumens
Efficiency:	N/A
Efficacy:	113.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G4

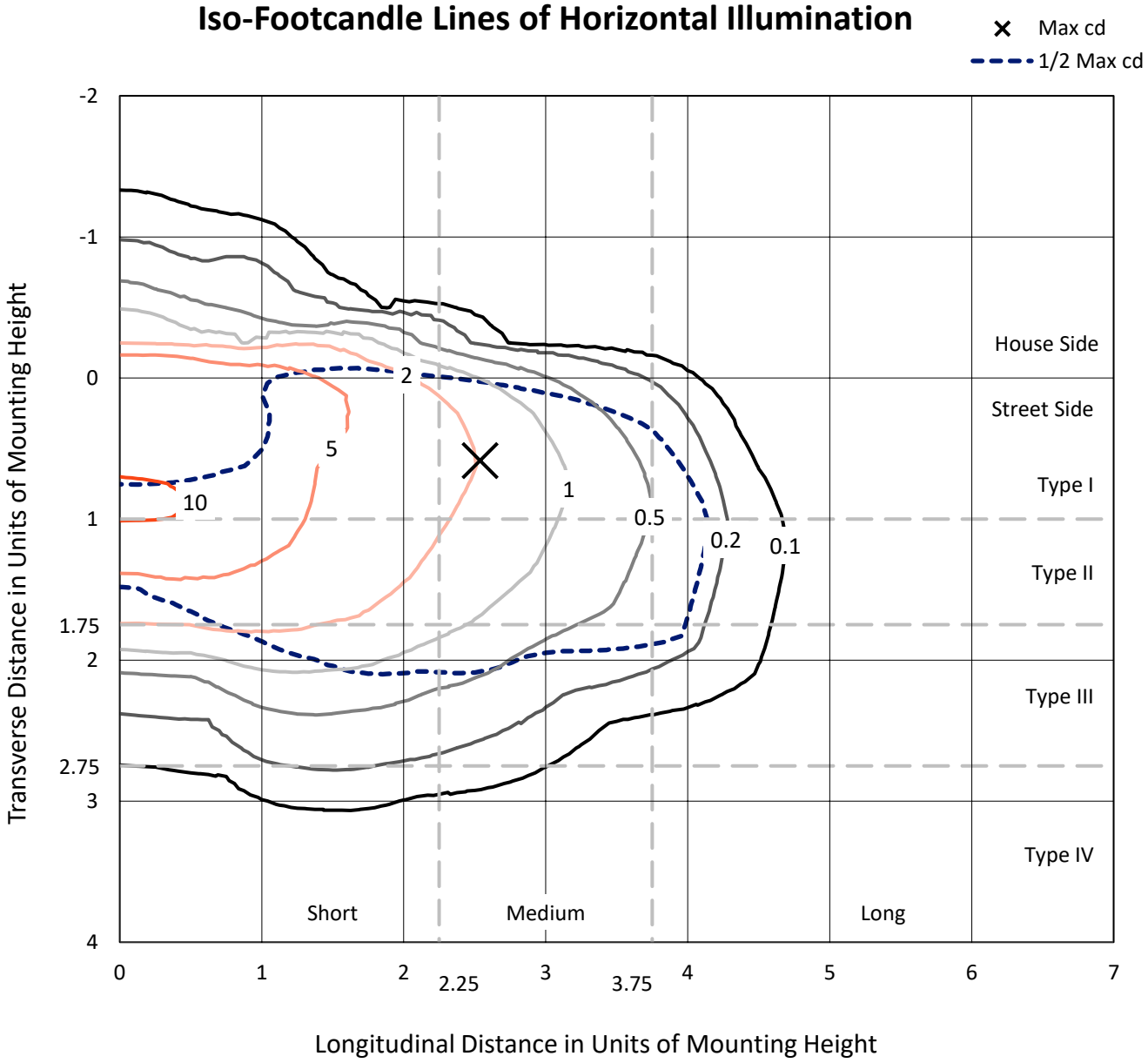
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366893
CATALOG NUMBER: GSS-SB4C-730-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



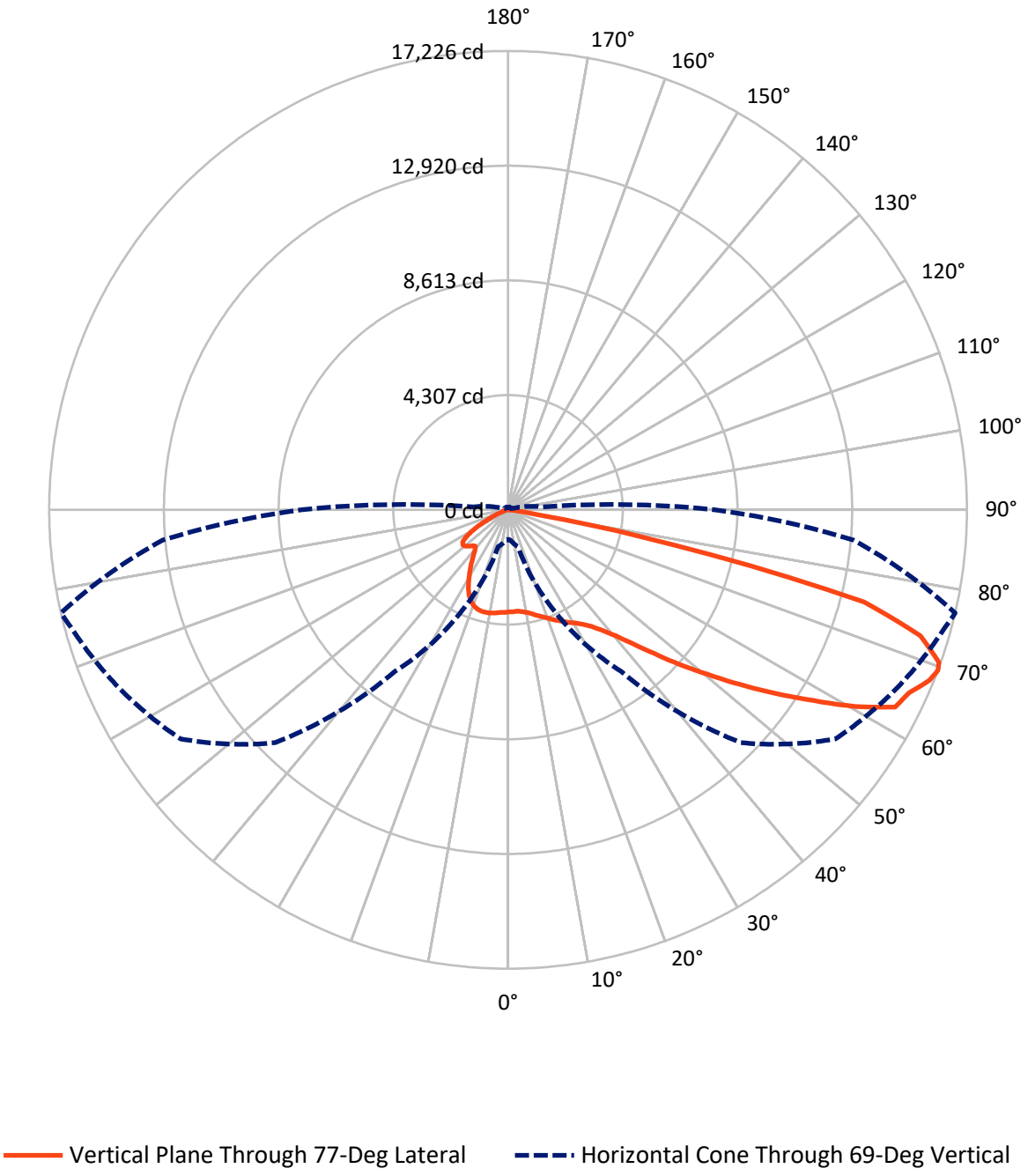
Based on 20 foot mounting height. Maximum calculated value = 10.9 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366893
CATALOG NUMBER: GSS-SB4C-730-U-T3R-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

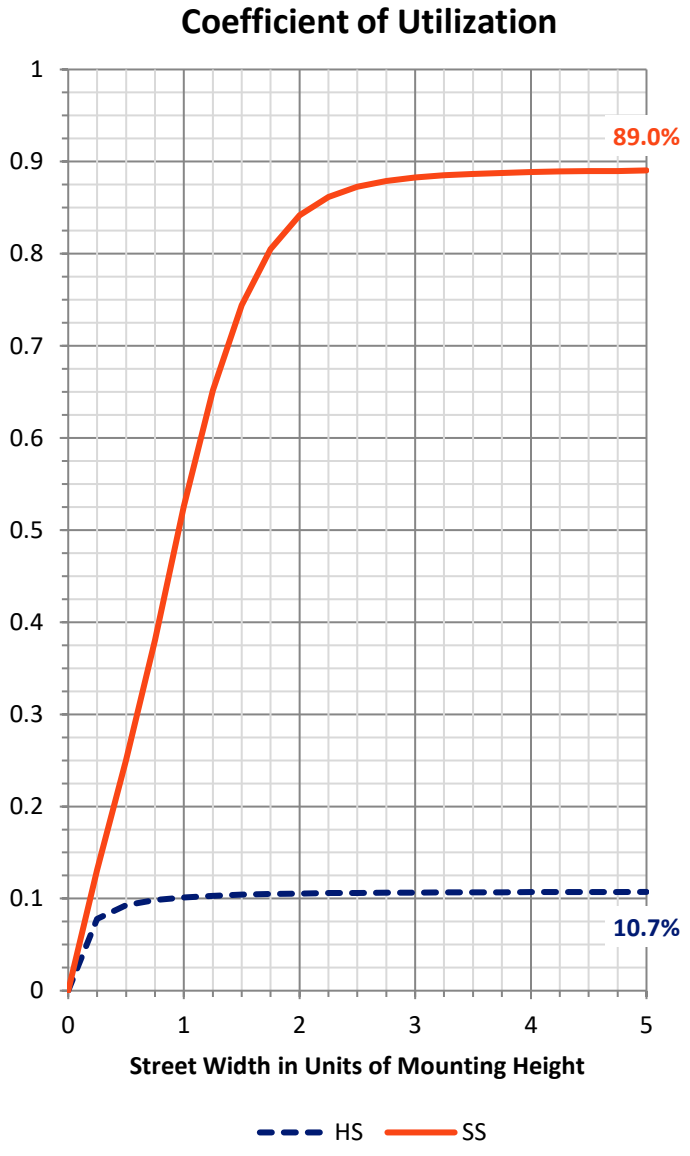
REPORT NUMBER: P1366893
CATALOG NUMBER: GSS-SB4C-730-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2503.0	0.0	2503.0
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	20653.5	0.0	20653.5
	% Fixture	89.2	0.0	89.2
Total	Lumens	23156.5	0.0	23156.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	1.4
10°-20°	777.6	3.4
20°-30°	1199.7	5.2
30°-40°	2131.1	9.2
40°-50°	4116.6	17.8
50°-60°	5981.0	25.8
60°-70°	5739.6	24.8
70°-80°	2781.5	12.0
80°-90°	102.0	0.4
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°	23156.5	100.0
0°-180°	23156.5	100.0



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

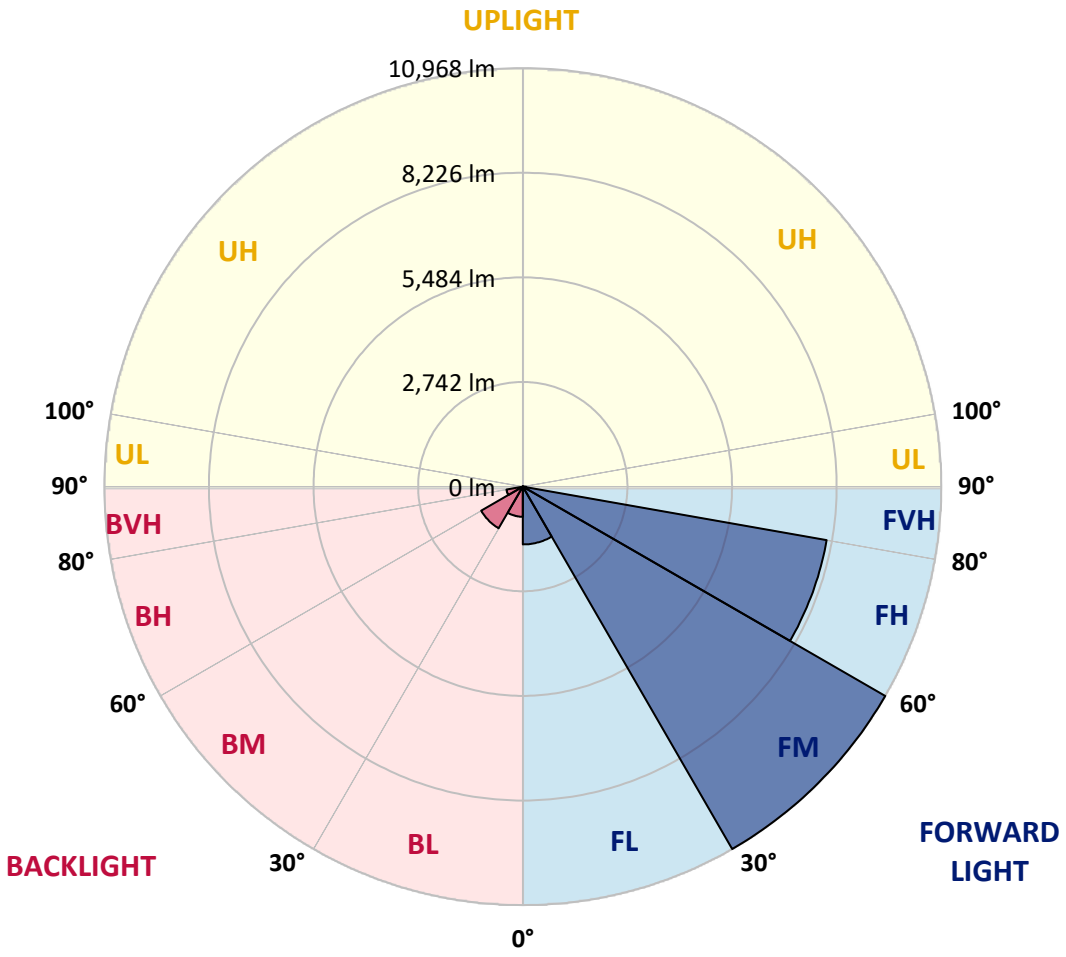
Scaled Data Report

REPORT NUMBER: P1366893
CATALOG NUMBER: GSS-SB4C-730-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1514.9	6.5			
FM	(30°-60°)	10967.9	47.4			
FH	(60°-80°)	8084.7	34.9			G4/12000
FVH	(80°-90°)	86.0	0.4			G1/100
BL	(0°-30°)	789.8	3.4	B2/1000		
BM	(30°-60°)	1260.7	5.4	B2/2500		
BH	(60°-80°)	436.3	1.9	B1/500		G1/500
BVH	(80°-90°)	16.1	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-G4
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P1366893
CATALOG NUMBER: GSS-SB4C-730-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	*3833.3*	3833.3
2.5°	3685.6	3699.0	3678.9	3692.3	3712.5	3725.9	3759.4	3772.9	3819.9	*3833.3*	3846.7
5°	3504.3	3517.8	3517.8	3544.6	3578.2	3618.5	3672.2	3725.9	3813.2	*3819.9*	3880.3
7.5°	3289.5	3282.8	3302.9	3356.6	3423.8	3524.5	3618.5	3712.5	3840.0	*3860.1*	3967.6
10°	3014.3	3014.3	3054.5	3128.4	3235.8	3403.6	3564.8	3705.7	3873.6	*3920.6*	4061.5
12.5°	2859.9	2866.6	2886.7	2947.1	3101.5	3296.2	3511.1	3739.3	3960.8	*4007.8*	4202.5
15°	2799.4	2806.2	2833.0	2893.4	3014.3	3242.5	3497.6	3779.6	4054.8	*4115.2*	4350.2
17.5°	2806.2	2799.4	2819.6	2866.6	2987.4	3209.0	3511.1	3846.7	4155.5	*4229.4*	4504.6
20°	2846.4	2846.4	2846.4	2880.0	2994.1	3209.0	3551.3	3940.7	4283.1	*4350.2*	4692.6
22.5°	2920.3	2906.9	2913.6	2927.0	3034.4	3249.2	3611.8	4041.4	4410.6	*4491.2*	4867.1
25°	2974.0	2967.3	2967.3	2994.1	3094.8	3289.5	3672.2	4195.8	4551.6	*4625.5*	5048.4
27.5°	3309.7	3276.1	3168.7	3081.4	3162.0	3376.8	3759.4	4330.1	4699.3	*4779.9*	5216.2
30°	4363.6	4309.9	3981.0	3511.1	3309.7	3477.5	3873.6	4471.1	4860.4	*4927.6*	5431.1
32.5°	5948.0	5880.8	5370.6	4471.1	3799.7	3678.9	4028.0	4638.9	5041.7	*5115.5*	5686.2
35°	7606.2	7518.9	7015.4	5995.0	4840.3	4128.7	4262.9	4853.7	5290.1	*5370.6*	6048.7
37.5°	8828.0	8767.6	8411.8	7565.9	6176.2	4981.3	4652.3	5162.5	5639.2	*5726.4*	6545.5
40°	9841.7	9801.4	9694.0	8989.1	7680.0	6216.5	5310.2	5639.2	6115.8	*6209.8*	7149.7
42.5°	10727.8	10714.4	10761.4	10445.9	9365.0	7646.4	6303.8	6337.3	6767.0	*6867.7*	7915.0
45°	11459.6	11466.3	11654.3	11808.7	11097.1	9210.6	7451.8	7169.8	7552.5	*7686.7*	8747.4
47.5°	12177.9	12124.2	12466.6	12802.3	12547.1	10795.0	8640.0	8109.7	8519.2	*8673.6*	9673.9
50°	12278.6	12298.8	12889.5	13446.7	13668.3	12292.0	9929.0	9163.6	9546.3	*9694.0*	10660.7
52.5°	11708.0	11828.8	12721.7	13742.1	14326.2	13614.6	11271.6	10291.5	10633.9	*10889.0*	11674.4
55°	8922.0	9203.9	12130.9	13419.9	14433.6	14507.4	12513.6	11365.6	11849.0	*12157.8*	12627.7
57.5°	7760.6	7841.1	9445.6	12748.5	14071.1	14984.1	13560.9	12439.7	13164.8	*13507.1*	13594.4
60°	6666.3	6706.6	7941.8	11681.1	13446.7	14789.4	14440.3	13695.1	14594.7	*14990.8*	14420.2
62.5°	3920.6	4236.1	5619.0	9412.0	12668.0	14534.3	15111.6	14990.8	15950.8	*16306.6*	14520.9
65°	1987.1	2161.7	3000.8	6975.1	11318.6	14393.3	15722.5	15722.5	16205.9	*16548.3*	13782.4
67.5°	1289.0	1356.1	1691.8	5182.7	8794.4	13863.0	15467.4	15736.0	16696.0	*17071.9*	13480.3
69°	*1107.7*	*1154.7*	*1436.6*	*4296.5*	*7404.8*	*12359.2*	*14997.5*	*16024.6*	*16998.1*	*17226.3*	*13003.7*
70°	993.6	1033.8	1309.1	3746.0	6431.3	10425.7	14729.0	16111.9	16951.1	*17159.2*	12520.3
72.5°	691.5	698.2	973.4	2215.4	4075.0	6626.0	11949.7	15407.0	16192.5	*16192.5*	11029.9
75°	288.7	342.4	550.5	973.4	1698.5	3672.2	5786.9	13137.9	14050.9	*13809.2*	8499.0
77.5°	228.3	268.5	476.6	537.1	617.6	1517.2	2054.3	7686.7	6699.9	*6323.9*	2779.3
80°	167.8	194.7	402.8	362.5	228.3	443.1	510.2	1752.2	1255.4	*1101.0*	422.9
82.5°	73.8	94.0	308.8	228.3	127.6	141.0	188.0	369.2	362.5	*322.2*	174.5
85°	40.3	60.4	134.3	80.6	53.7	53.7	73.8	114.1	100.7	*100.7*	73.8
87.5°	0.0	0.0	6.7	6.7	13.4	20.1	26.9	40.3	47.0	*47.0*	47.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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

Scaled Data Report

REPORT NUMBER: P1366893
CATALOG NUMBER: GSS-SB4C-730-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3
2.5°	3846.7	3853.4	3853.4	3833.3	3813.2	3786.3	3739.3	3712.5	3699.0	3685.6	3678.9
5°	3880.3	3893.7	3860.1	3772.9	3665.5	3517.8	3383.5	3276.1	3182.1	3162.0	3141.8
7.5°	3967.6	3981.0	3880.3	3658.7	3383.5	3135.1	2866.6	2678.6	2524.2	2490.6	2497.3
10°	4081.7	4095.1	3887.0	3504.3	3088.1	2665.2	2295.9	1973.7	1765.6	1718.6	1658.2
12.5°	4242.8	4229.4	3866.9	3309.7	2712.2	2114.7	1617.9	1268.8	1094.3	986.9	1007.0
15°	4397.2	4363.6	3826.6	3068.0	2235.5	1510.5	1020.4	825.7	765.3	758.6	758.6
17.5°	4585.2	4504.6	3752.7	2752.5	1691.8	1013.7	772.0	731.7	718.3	725.0	718.3
20°	4759.7	4612.0	3631.9	2356.4	1215.1	778.7	718.3	698.2	691.5	684.8	684.8
22.5°	4947.7	4699.3	3450.6	1899.9	872.7	711.6	684.8	664.6	644.5	637.8	637.8
25°	5129.0	4759.7	3209.0	1443.4	718.3	671.3	637.8	610.9	590.8	577.3	577.3
27.5°	5283.4	4779.9	2906.9	1054.0	657.9	631.0	584.1	550.5	523.6	516.9	516.9
30°	5464.6	4773.2	2537.6	792.2	617.6	577.3	523.6	476.6	456.5	463.2	463.2
32.5°	5652.6	4800.0	2168.4	664.6	577.3	516.9	443.1	402.8	389.4	389.4	396.1
35°	5894.3	4840.3	1819.3	624.3	537.1	443.1	375.9	329.0	322.2	335.7	335.7
37.5°	6209.8	4887.3	1483.6	617.6	503.5	382.7	308.8	282.0	275.2	282.0	282.0
40°	6652.9	5035.0	1168.1	617.6	476.6	342.4	261.8	248.4	248.4	248.4	248.4
42.5°	7283.9	5370.6	953.3	610.9	463.2	315.5	235.0	221.5	221.5	228.3	228.3
45°	7962.0	5880.8	886.2	590.8	449.8	315.5	221.5	208.1	214.8	214.8	214.8
47.5°	8613.2	6397.8	906.3	557.2	436.4	322.2	214.8	201.4	201.4	201.4	201.4
50°	9190.5	6760.3	939.9	510.2	409.5	315.5	214.8	188.0	194.7	194.7	194.7
52.5°	9794.7	6914.7	953.3	443.1	369.2	302.1	214.8	181.3	181.3	188.0	188.0
55°	10304.9	6867.7	899.6	375.9	322.2	282.0	201.4	174.5	174.5	174.5	174.5
57.5°	10734.6	6525.3	731.7	315.5	275.2	235.0	188.0	167.8	167.8	167.8	167.8
60°	10889.0	5666.0	537.1	268.5	221.5	194.7	174.5	161.1	154.4	154.4	147.7
62.5°	10298.2	4370.4	369.2	228.3	188.0	167.8	154.4	147.7	141.0	127.6	120.8
65°	9183.8	3007.6	268.5	188.0	161.1	141.0	141.0	134.3	114.1	100.7	94.0
67.5°	8337.9	1846.2	214.8	154.4	134.3	120.8	120.8	120.8	107.4	87.3	87.3
69°	*7753.9*	*1282.2*	*194.7*	*141.0*	*120.8*	*107.4*	*107.4*	*114.1*	*100.7*	*80.6*	*80.6*
70°	7250.4	1007.0	181.3	127.6	107.4	100.7	100.7	107.4	94.0	73.8	73.8
72.5°	6048.7	496.8	154.4	107.4	87.3	80.6	87.3	87.3	80.6	60.4	60.4
75°	4410.6	295.4	127.6	87.3	67.1	60.4	73.8	73.8	60.4	47.0	47.0
77.5°	1429.9	174.5	100.7	73.8	60.4	53.7	60.4	53.7	47.0	33.6	33.6
80°	302.1	107.4	73.8	53.7	47.0	40.3	40.3	33.6	33.6	26.9	26.9
82.5°	134.3	80.6	53.7	47.0	33.6	33.6	26.9	26.9	20.1	20.1	20.1
85°	67.1	53.7	40.3	33.6	26.9	26.9	20.1	20.1	20.1	20.1	20.1
87.5°	47.0	40.3	33.6	20.1	20.1	20.1	13.4	13.4	13.4	13.4	13.4
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

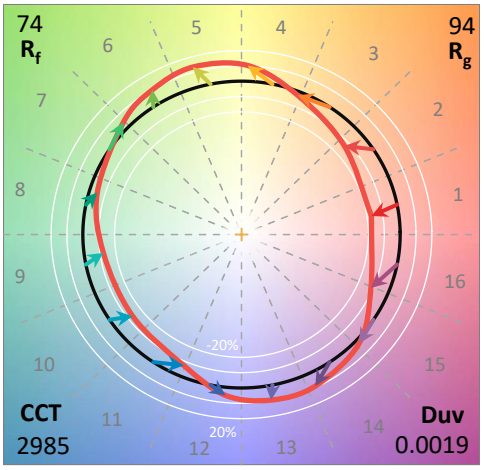
Test Information

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

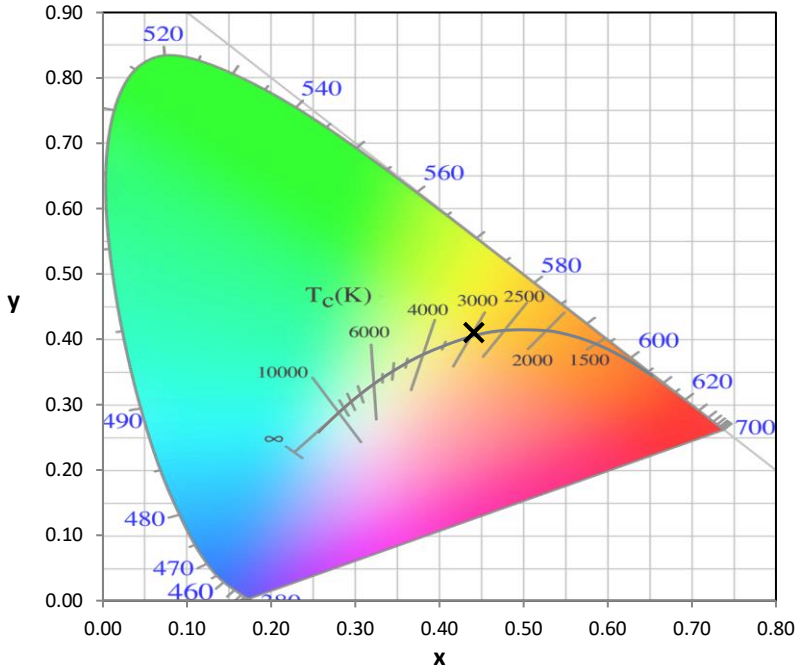
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

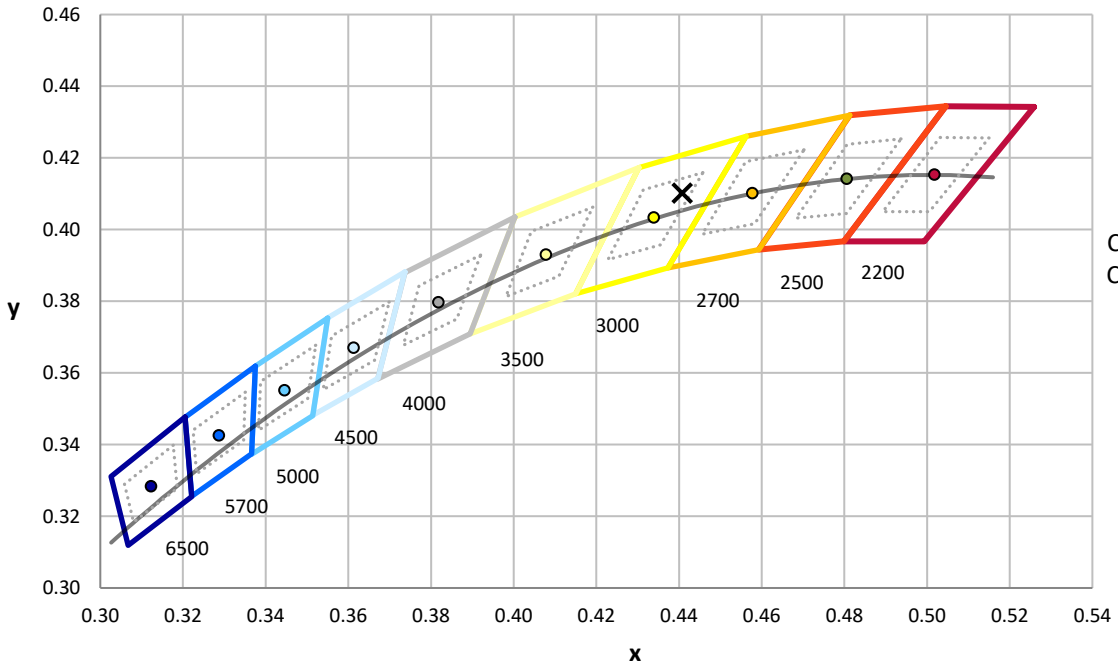
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

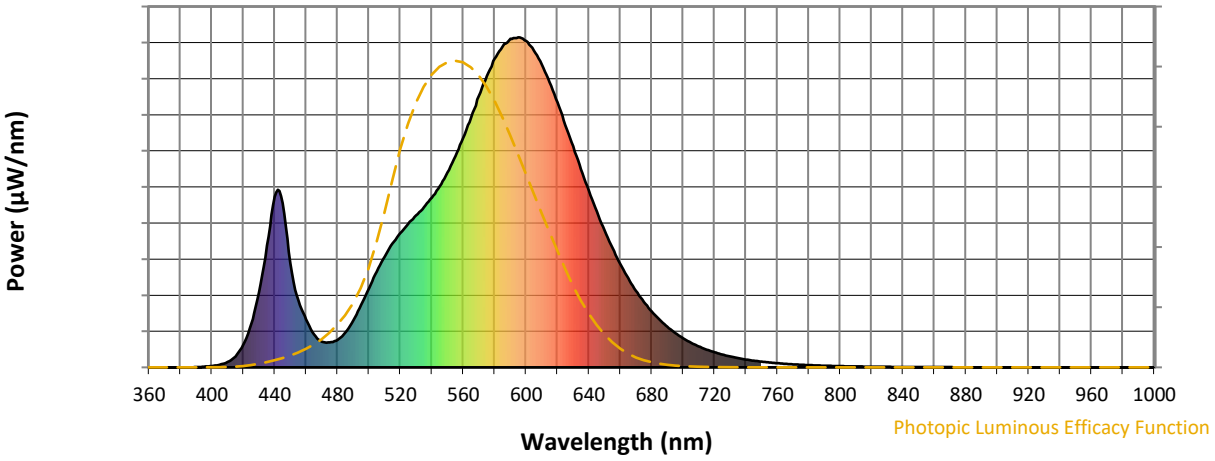


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

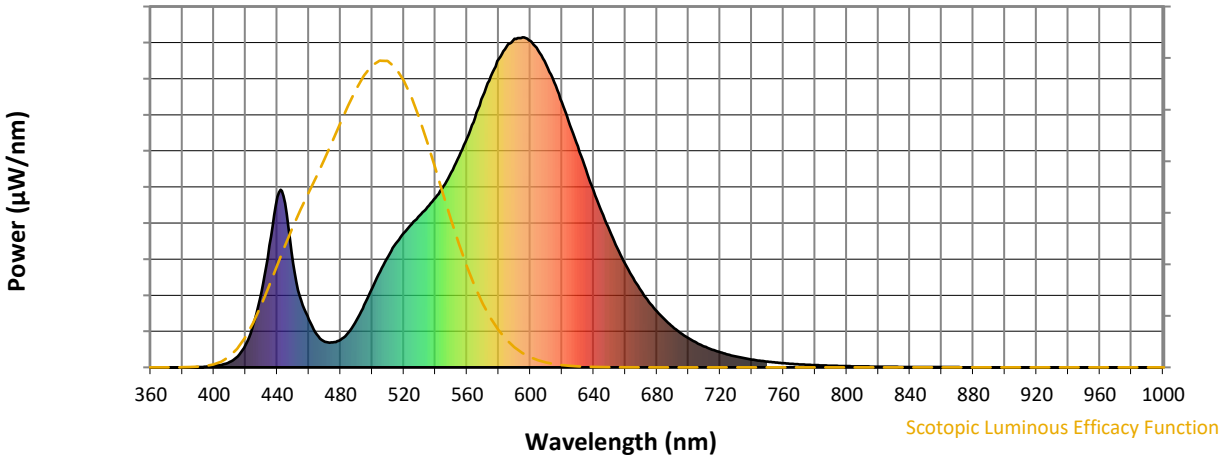


Photopic Lumens: NR

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

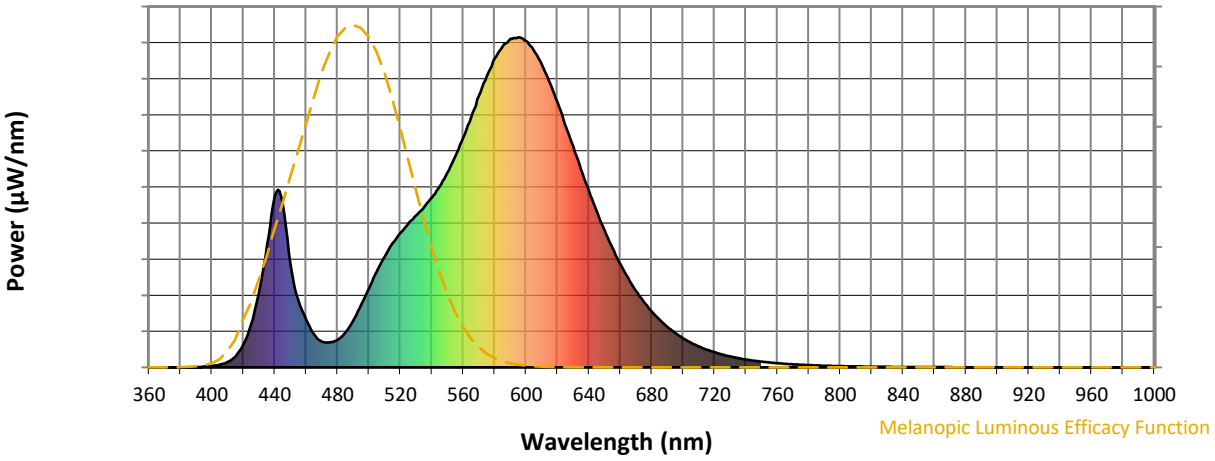


Scotopic Lumens: NR **S/P: 1.19**

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			

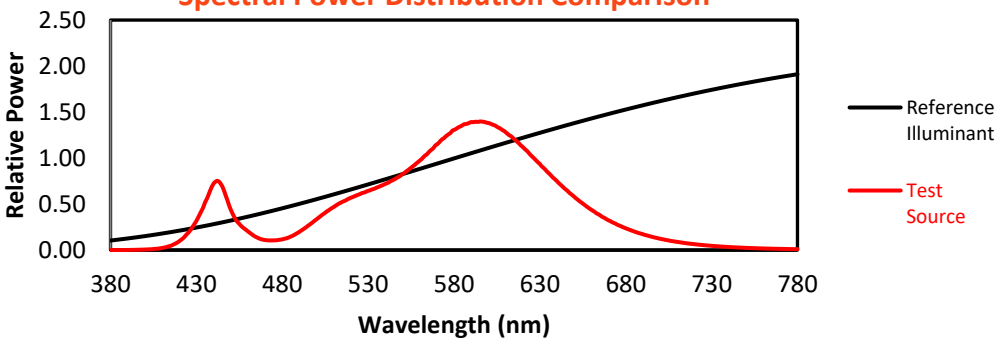
REPORT NUMBER: SP1-2407-184-4

TM-30-18

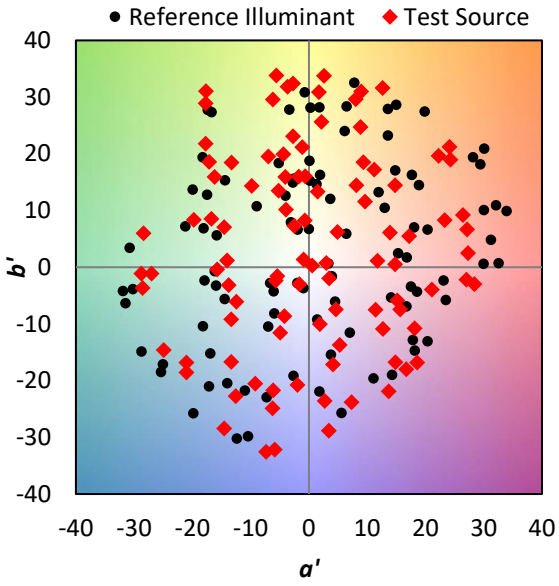
Summary

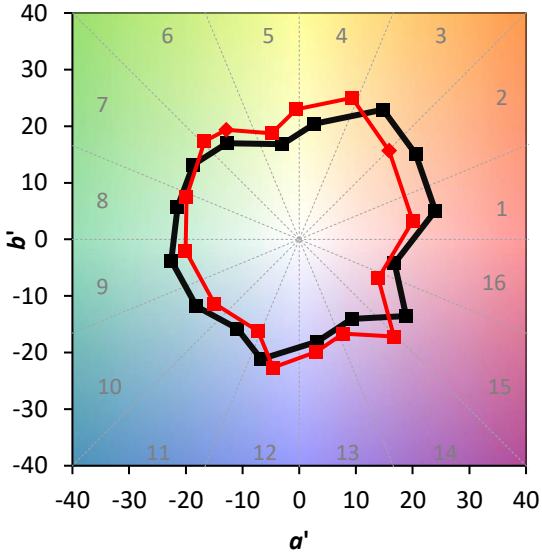
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

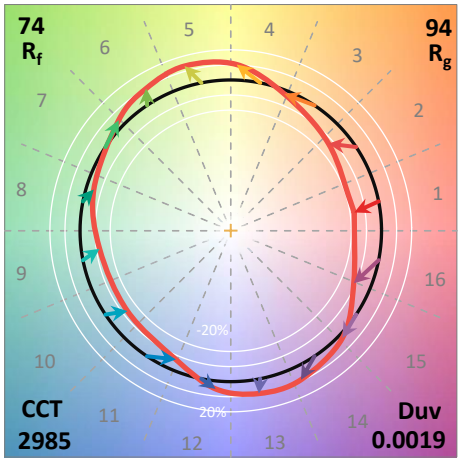
Spectral Power Distribution Comparison

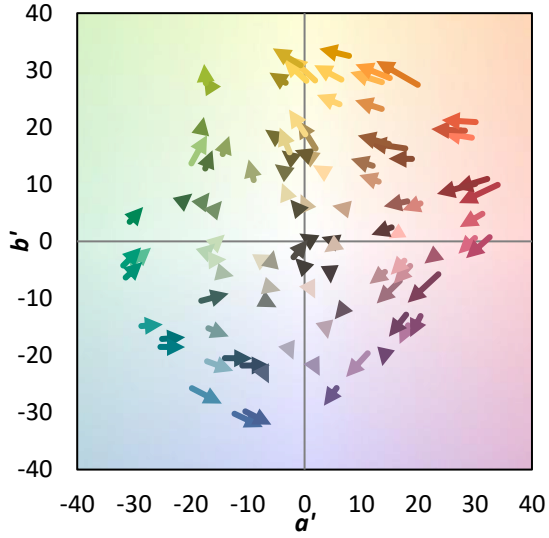


Color Vector Graphics







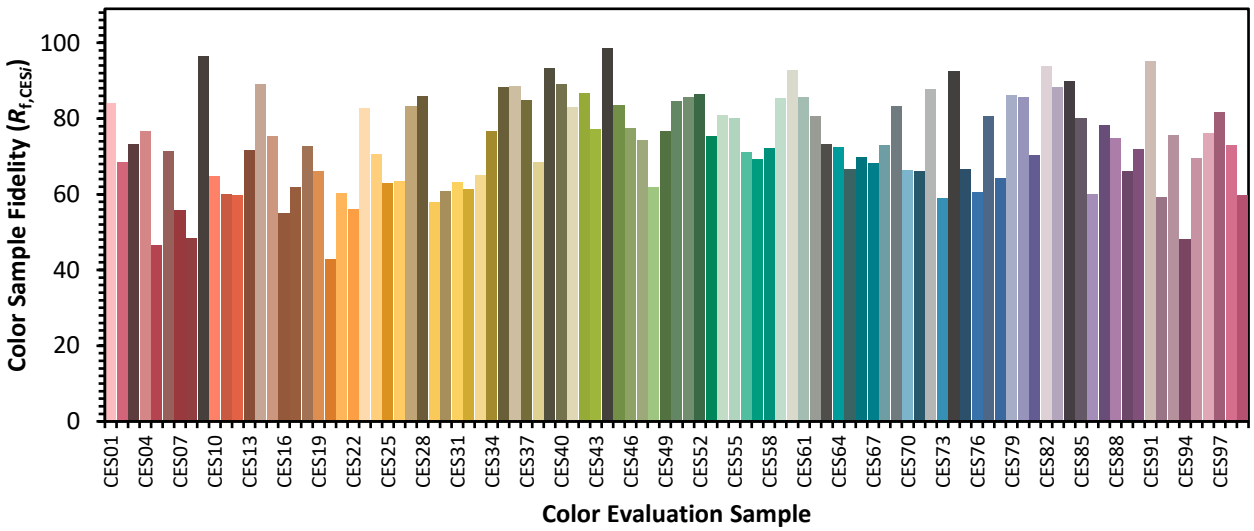


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

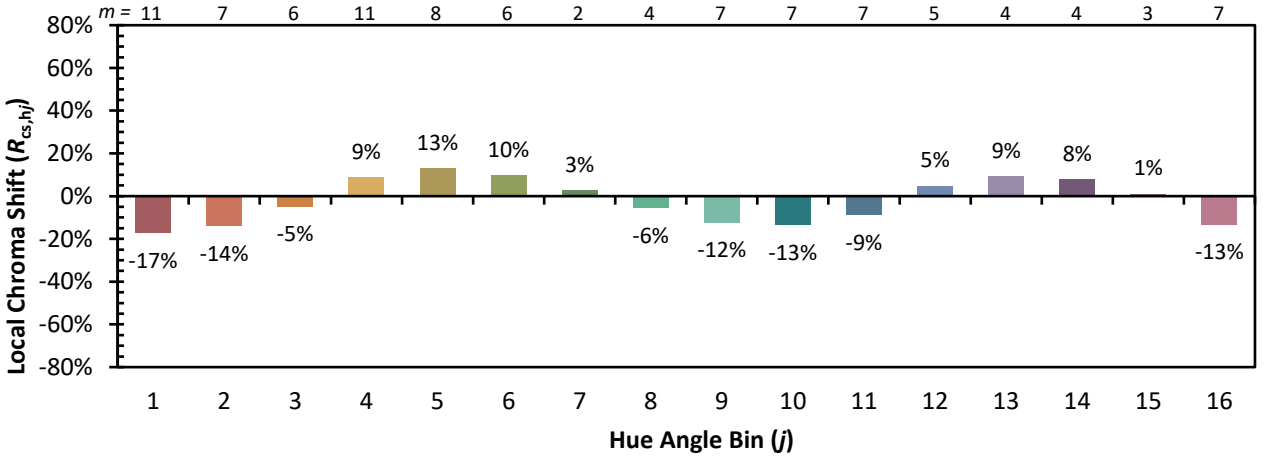
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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

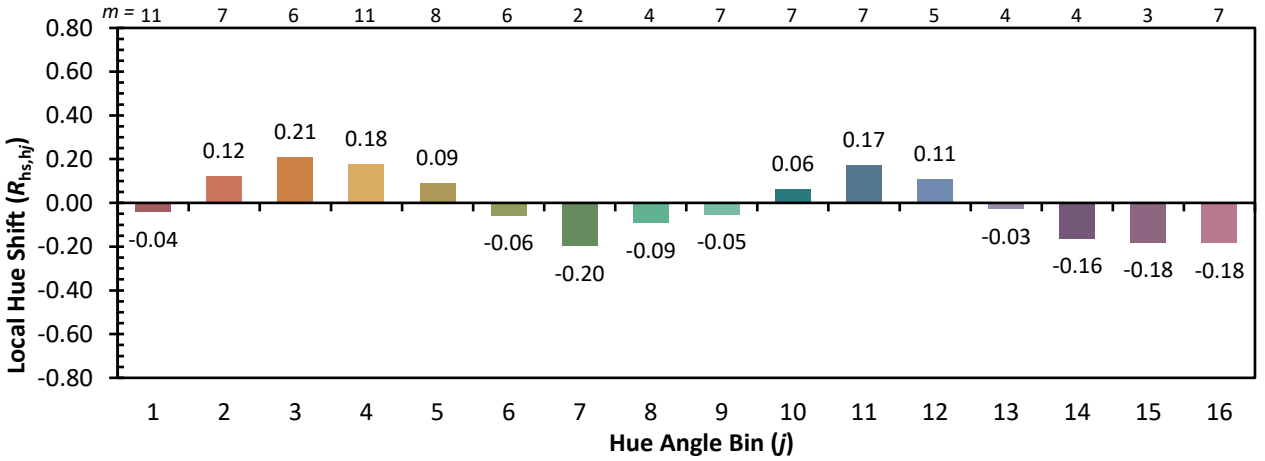


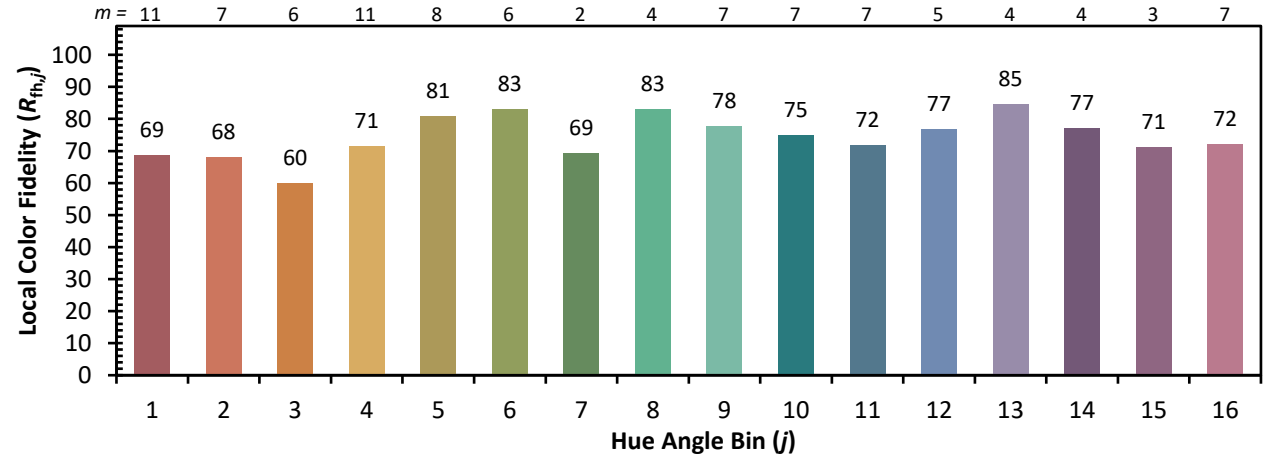
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



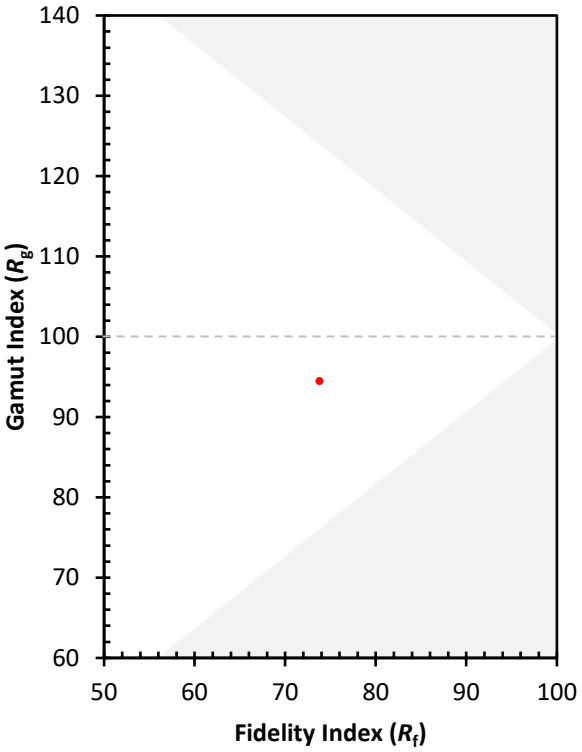


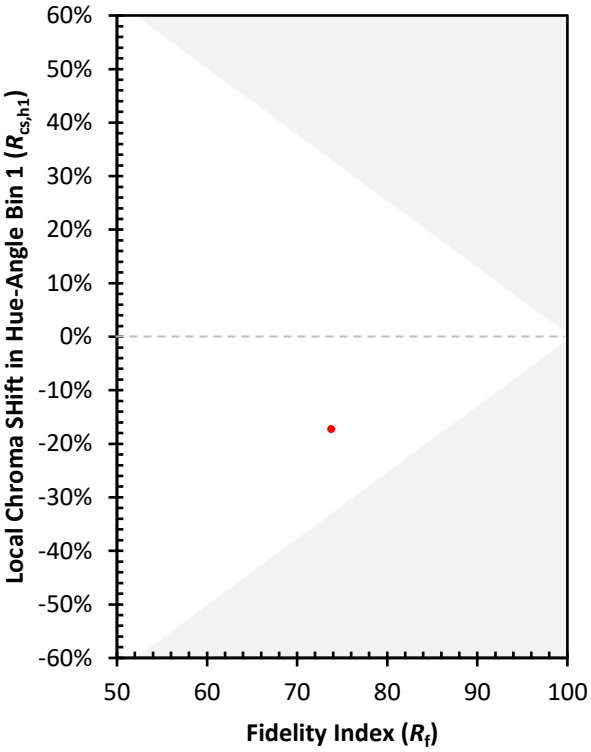


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)