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: P1365717

Luminaire Tested: **GSS-SB4C-727-U-T2R**

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:	P1365717
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-727-U-T2R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 2700K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(104) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26953.3 lumens
Efficiency:	N/A
Efficacy:	132.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

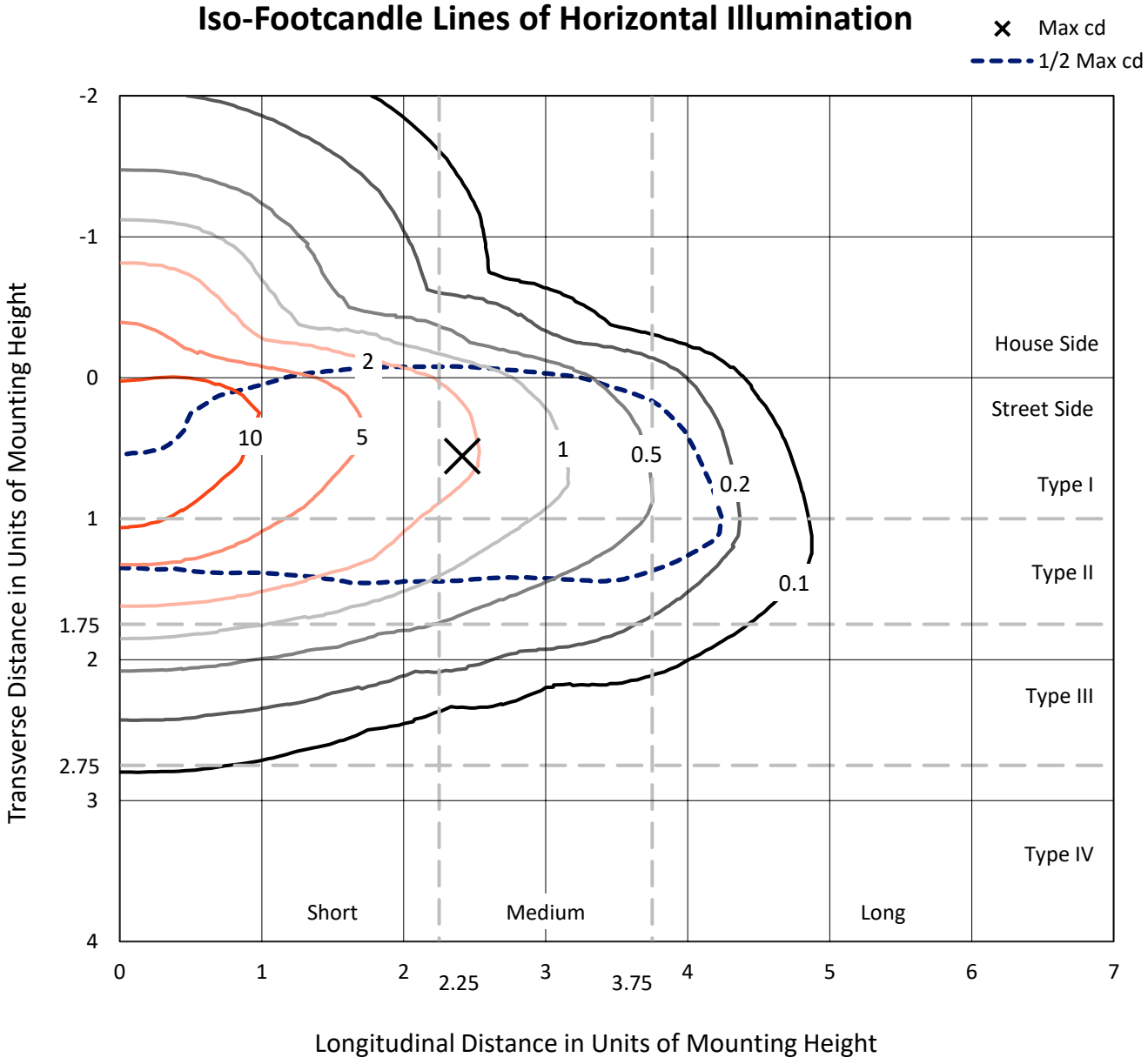
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365717
CATALOG NUMBER: GSS-SB4C-727-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



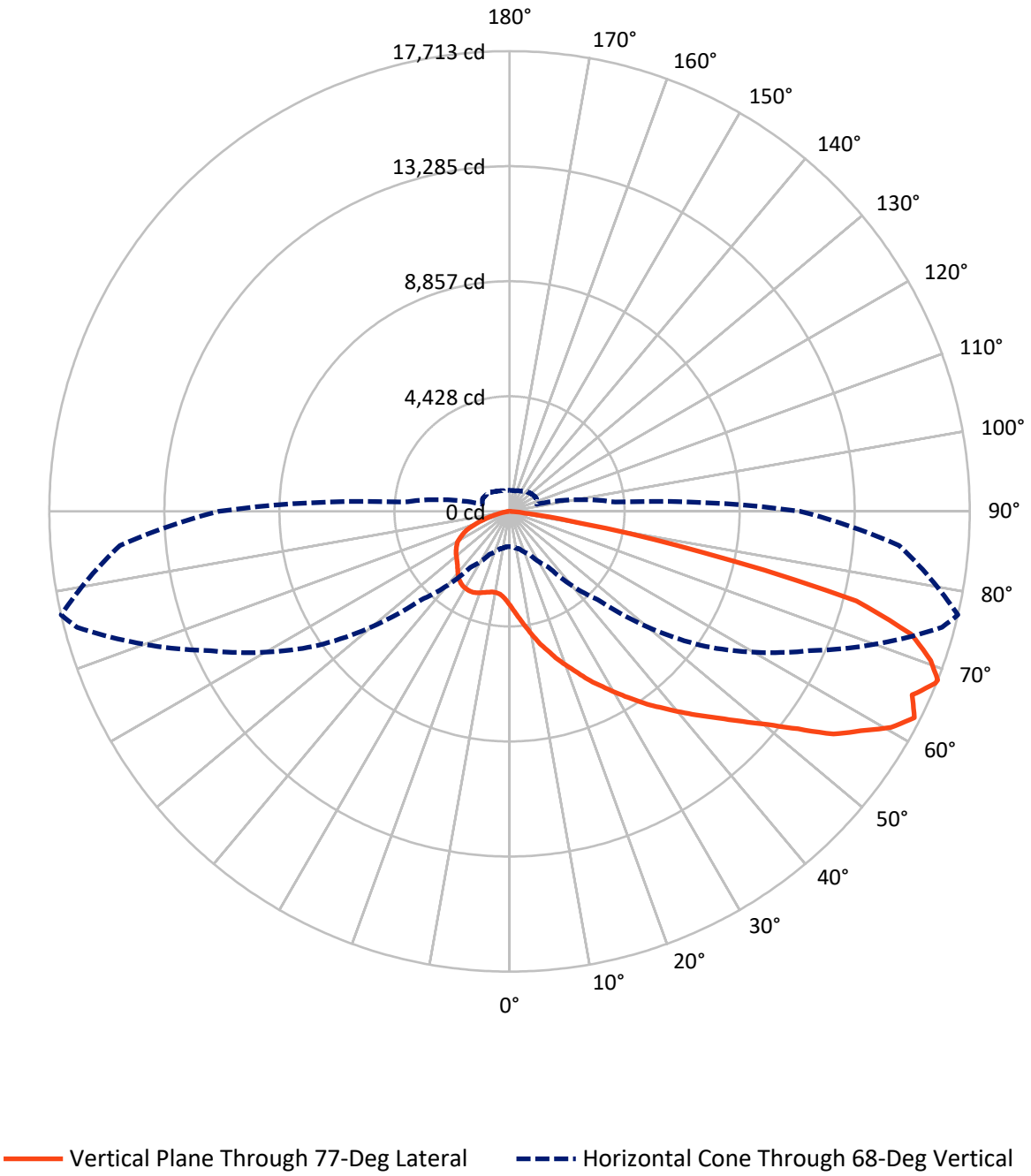
Based on 20 foot mounting height. Maximum calculated value = 15.7 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1365717
CATALOG NUMBER: GSS-SB4C-727-U-T2R

Luminous Intensity Polar Plot



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

Scaled Data Report

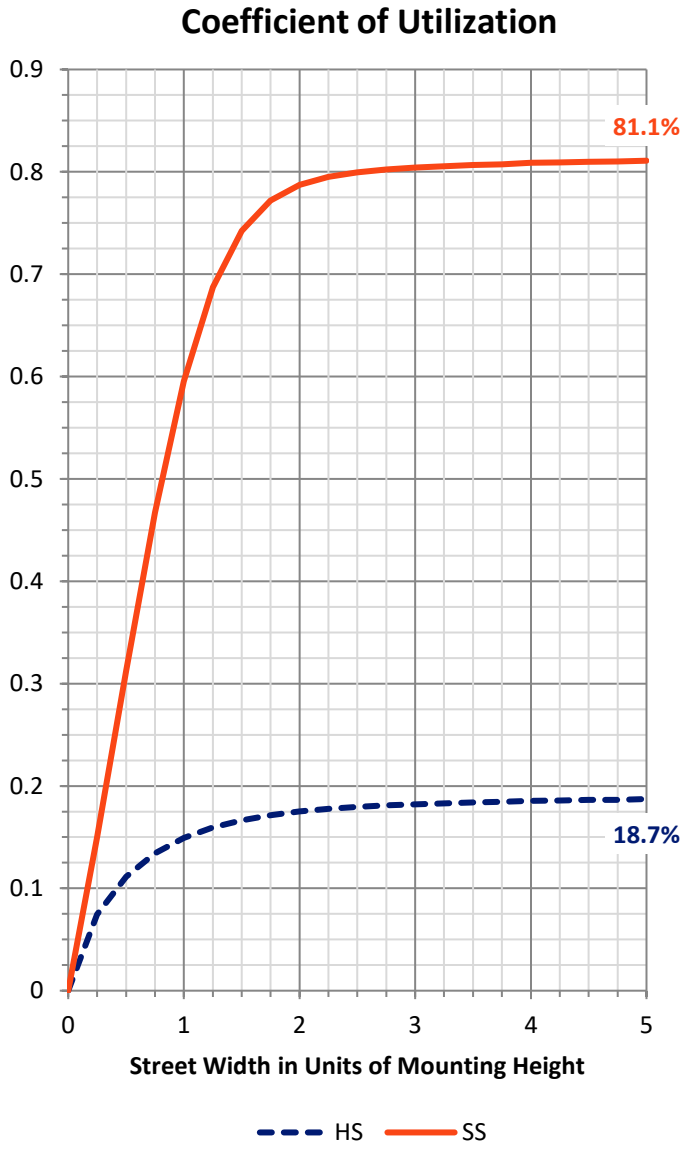
REPORT NUMBER: P1365717
CATALOG NUMBER: GSS-SB4C-727-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5088.0	0.0	5088.0
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	21865.2	0.0	21865.2
	% Fixture	81.1	0.0	81.1
Total	Lumens	26953.3	0.0	26953.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.0	1.4
10°-20°	1306.4	4.8
20°-30°	2388.0	8.9
30°-40°	3869.5	14.4
40°-50°	5322.2	19.7
50°-60°	5967.4	22.1
60°-70°	5029.3	18.7
70°-80°	2492.7	9.2
80°-90°	205.9	0.8
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°	26953.3	100.0
0°-180°	26953.3	100.0



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

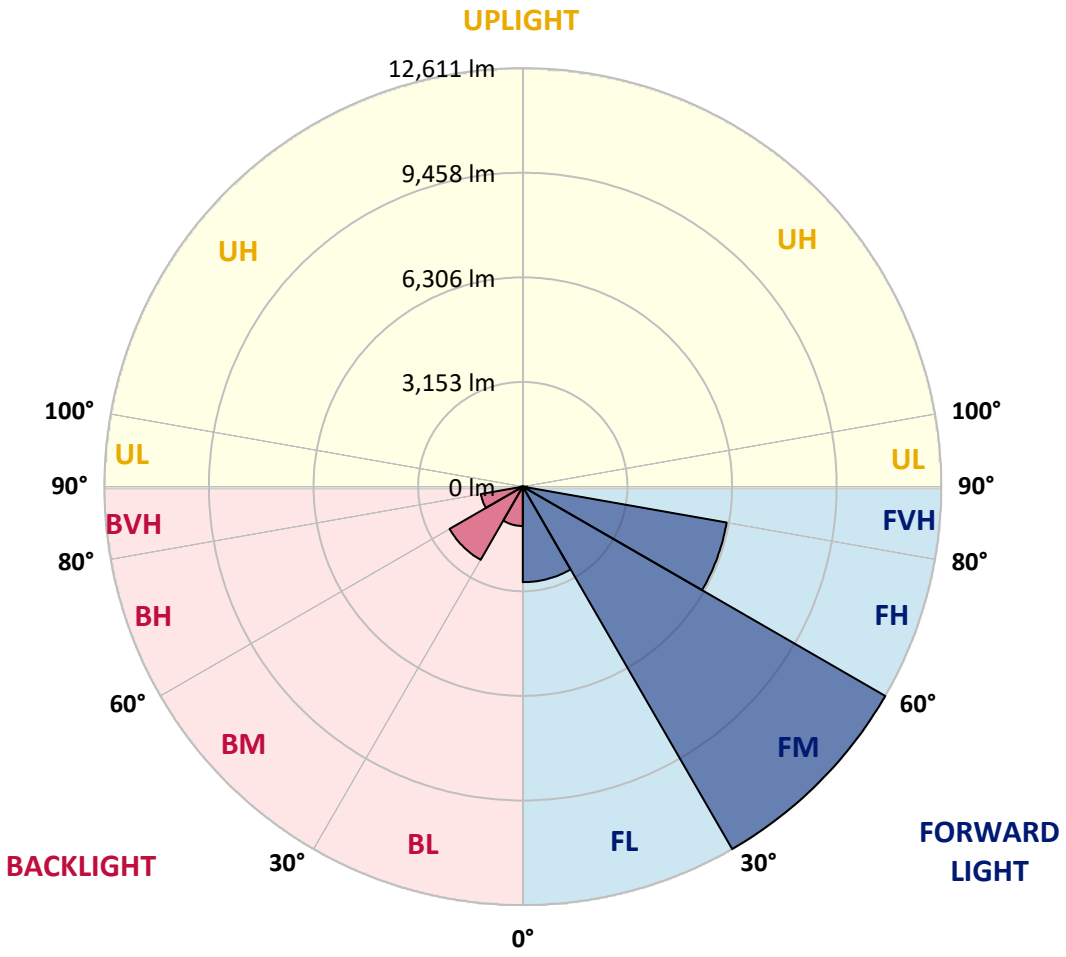
Scaled Data Report

REPORT NUMBER: P1365717
CATALOG NUMBER: GSS-SB4C-727-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2880.1	10.7			
FM	(30°-60°)	12611.2	46.8			
FH	(60°-80°)	6238.6	23.1			G3/7500
FVH	(80°-90°)	135.3	0.5			G2/225
BL	(0°-30°)	1186.3	4.4	B3/2500		
BM	(30°-60°)	2547.7	9.5	B3/5000		
BH	(60°-80°)	1283.4	4.8	B3/2500		G3/2500
BVH	(80°-90°)	70.6	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-G3
Type II Medium



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

Scaled Data Report

REPORT NUMBER: P1365717
CATALOG NUMBER: GSS-SB4C-727-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	*3626.2*	3626.2
2.5°	4523.4	4498.4	4479.7	4417.4	4380.1	4280.4	4199.4	4062.3	3887.8	*3875.4*	3738.3
5°	5214.9	5183.8	5158.9	5071.6	5034.3	4859.8	4704.0	4461.0	4211.8	*4168.2*	3894.1
7.5°	5775.7	5738.3	5713.4	5632.4	5557.6	5420.5	5221.2	4928.3	4567.0	*4486.0*	4124.6
10°	6168.2	6168.2	6162.0	6112.1	6068.5	5937.7	5707.2	5364.5	4934.6	*4841.1*	4367.6
12.5°	6473.5	6454.8	6479.7	6510.9	6517.1	6442.4	6230.5	5844.2	5327.1	*5233.6*	4623.0
15°	6498.4	6504.7	6598.1	6722.7	6878.5	6903.4	6729.0	6324.0	5707.2	*5582.5*	4922.1
17.5°	6373.8	6405.0	6535.8	6741.4	7040.5	7221.2	7183.8	6822.4	6118.4	*5987.5*	5196.3
20°	6336.4	6373.8	6504.7	6760.1	7115.2	7414.3	7526.5	7264.8	6529.6	*6348.9*	5495.3
22.5°	6560.7	6573.2	6666.7	6878.5	7221.2	7563.8	7813.1	7688.5	6965.7	*6766.3*	5838.0
25°	7171.3	7158.9	7152.6	7202.5	7457.9	7757.0	8062.3	8087.2	7420.5	*7221.2*	6162.0
27.5°	8186.9	8236.7	8093.4	7819.3	7844.2	8074.7	8311.5	8442.3	7862.9	*7644.8*	6486.0
30°	9451.7	9445.5	9190.0	8747.6	8411.2	8492.2	8623.0	8778.8	8305.3	*8105.9*	6847.3
32.5°	10529.6	10504.7	10230.5	9719.6	9190.0	9015.6	9065.4	9096.6	8816.2	*8591.9*	7214.9
35°	11221.2	11227.4	10965.7	10523.3	9931.4	9644.8	9520.2	9445.5	9327.1	*9109.0*	7651.1
37.5°	11912.7	11875.4	11545.1	11021.8	10529.6	10292.8	10149.5	9831.8	9800.6	*9607.5*	8037.4
40°	12429.9	12392.5	12056.0	11457.9	11009.3	10816.2	10760.1	10280.4	10330.2	*10162.0*	8467.3
42.5°	12666.6	12672.9	12367.6	11825.5	11364.5	11271.0	11383.2	10797.5	10890.9	*10735.2*	8934.6
45°	12672.9	12641.7	12429.9	12000.0	11651.1	11576.3	11881.6	11383.2	11501.5	*11358.2*	9476.6
47.5°	12330.2	12330.2	12243.0	11987.5	11800.6	11806.8	12299.0	11975.1	12186.9	*12081.0*	10105.9
50°	11582.5	11644.8	11682.2	11732.1	11725.8	11968.8	12635.5	12591.9	12922.1	*12890.9*	10809.9
52.5°	9302.2	9563.8	10504.7	11109.0	11495.3	11950.1	13003.1	13227.4	13850.4	*13906.5*	11825.5
55°	7420.5	7482.9	8274.1	9831.8	10978.2	11794.4	13133.9	13943.9	15040.5	*15127.7*	12753.9
57.5°	6024.9	6174.4	6654.2	8143.3	9850.4	11445.5	13221.2	14330.2	15794.4	*15937.7*	13520.2
60°	4454.8	4542.0	5003.1	6236.7	8249.2	10629.3	13271.0	14685.3	16672.9	*16878.5*	14517.1
62.5°	3277.3	3283.5	3576.3	4355.1	6510.9	9289.7	12884.7	14971.9	17252.3	*17489.1*	14834.9
65°	2118.4	2143.3	2436.1	3109.0	4398.7	7613.7	11993.7	13850.4	16685.3	*17034.2*	14641.7
67.5°	1426.8	1470.4	1644.9	1981.3	2947.0	5433.0	9358.2	12822.4	17208.7	*17669.7*	15109.0
68°	*1358.3*	*1364.5*	*1501.6*	*1825.5*	*2623.0*	*4810.0*	*8996.9*	*12691.6*	*17233.6*	*17713.4*	*15052.9*
70°	1077.9	1090.3	1177.6	1352.0	1781.9	2947.0	7264.8	11595.0	16772.6	*17196.2*	14236.7
72.5°	822.4	841.1	897.2	965.7	1158.9	1806.8	4249.2	9445.5	15557.6	*16162.0*	12890.9
75°	697.8	704.0	747.7	772.6	760.1	1096.6	2386.3	7389.4	13233.6	*13788.1*	10585.6
77.5°	548.3	567.0	629.3	641.7	579.4	760.1	1252.3	4218.1	7769.5	*7588.8*	5096.6
80°	392.5	405.0	454.8	429.9	454.8	523.4	591.9	1514.0	3233.6	*2822.4*	1196.3
82.5°	137.1	155.8	311.5	299.1	299.1	236.8	267.9	660.4	841.1	*735.2*	299.1
85°	24.9	31.2	87.2	124.6	112.1	87.2	112.1	205.6	168.2	*143.3*	87.2
87.5°	6.2	6.2	12.5	12.5	12.5	18.7	31.2	43.6	49.8	*49.8*	49.8
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: P1365717
CATALOG NUMBER: GSS-SB4C-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2	3626.2
2.5°	3663.5	3570.1	3389.4	3227.4	3096.6	2972.0	2872.3	2803.7	2753.9	2729.0	2729.0
5°	3744.5	3545.2	3214.9	2922.1	2697.8	2548.3	2454.8	2398.7	2392.5	2386.3	2386.3
7.5°	3869.2	3588.8	3096.6	2729.0	2535.8	2454.8	2429.9	2423.7	2423.7	2436.1	2436.1
10°	4037.4	3663.5	3046.7	2660.4	2554.5	2529.6	2517.1	2535.8	2542.1	2548.3	2554.5
12.5°	4236.8	3757.0	3021.8	2691.6	2629.3	2616.8	2623.0	2616.8	2635.5	2648.0	2641.7
15°	4429.9	3875.4	3046.7	2753.9	2704.0	2697.8	2679.1	2691.6	2685.4	2679.1	2679.1
17.5°	4648.0	4012.5	3071.6	2803.7	2753.9	2729.0	2704.0	2691.6	2666.7	2660.4	2654.2
20°	4884.7	4149.5	3115.3	2847.3	2766.3	2710.3	2666.7	2616.8	2579.4	2560.7	2560.7
22.5°	5127.7	4292.8	3152.6	2853.6	2741.4	2641.7	2567.0	2504.7	2448.6	2411.2	2392.5
25°	5376.9	4436.1	3165.1	2828.7	2666.7	2548.3	2448.6	2373.8	2299.1	2261.7	2249.2
27.5°	5632.4	4560.7	3146.4	2766.3	2567.0	2436.1	2324.0	2243.0	2180.7	2137.1	2137.1
30°	5881.6	4679.1	3096.6	2679.1	2461.1	2330.2	2218.1	2143.3	2087.2	2049.8	2043.6
32.5°	6168.2	4797.5	3034.3	2567.0	2355.1	2236.8	2124.6	2056.1	2006.2	1987.5	1993.8
35°	6454.8	4903.4	2934.6	2461.1	2243.0	2143.3	2037.4	1981.3	1962.6	1950.2	1943.9
37.5°	6735.2	4978.2	2803.7	2330.2	2149.5	2031.1	1981.3	1925.2	1875.4	1813.1	1806.8
40°	7021.8	5040.5	2635.5	2199.4	2043.6	1950.2	1925.2	1850.5	1732.1	1626.2	1626.2
42.5°	7352.0	5102.8	2454.8	2074.8	1912.8	1869.2	1862.9	1744.5	1570.1	1495.3	1489.1
45°	7744.5	5146.4	2292.8	1956.4	1775.7	1757.0	1806.8	1651.1	1507.8	1445.5	1451.7
47.5°	8199.4	5246.1	2149.5	1825.5	1644.9	1676.0	1682.2	1563.9	1451.7	1376.9	1376.9
50°	8785.0	5420.5	2000.0	1657.3	1551.4	1619.9	1563.9	1476.6	1358.3	1314.6	1308.4
52.5°	9563.8	5563.9	1875.4	1520.2	1489.1	1557.6	1482.9	1389.4	1289.7	1227.4	1221.2
55°	10155.7	5570.1	1757.0	1414.3	1445.5	1433.0	1401.9	1302.2	1227.4	1152.6	1152.6
57.5°	10791.3	5532.7	1651.1	1352.0	1401.9	1345.8	1320.9	1215.0	1140.2	1084.1	1071.6
60°	11476.6	5464.2	1538.9	1308.4	1364.5	1283.5	1227.4	1140.2	1077.9	1034.3	1034.3
62.5°	11595.0	5133.9	1401.9	1295.9	1320.9	1221.2	1134.0	1065.4	1003.1	978.2	978.2
65°	11376.9	4785.0	1246.1	1233.6	1252.3	1146.4	1046.7	984.4	934.6	909.7	903.4
67.5°	11383.2	4218.1	1121.5	1158.9	1127.7	1059.2	959.5	903.4	841.1	822.4	822.4
68°	*11183.8*	*4081.0*	*1077.9*	*1146.4*	*1102.8*	*1034.3*	*934.6*	*872.3*	*816.2*	*810.0*	*810.0*
70°	10249.2	3308.4	922.1	1059.2	1028.0	947.0	822.4	791.3	753.9	747.7	753.9
72.5°	8953.3	2442.4	741.4	891.0	915.9	735.2	722.7	710.3	666.7	666.7	660.4
75°	7003.1	1781.9	560.7	704.0	679.1	672.9	616.8	610.6	573.2	567.0	554.5
77.5°	3177.6	909.7	380.1	467.3	542.1	598.1	517.1	498.4	473.5	473.5	467.3
80°	891.0	467.3	255.5	267.9	330.2	486.0	405.0	367.6	386.3	373.8	324.0
82.5°	274.1	193.1	155.8	168.2	155.8	280.4	299.1	230.5	205.6	218.1	230.5
85°	93.5	87.2	74.8	81.0	68.5	112.1	130.8	87.2	93.5	93.5	81.0
87.5°	49.8	49.8	37.4	31.2	24.9	18.7	12.5	12.5	6.2	6.2	6.2
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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

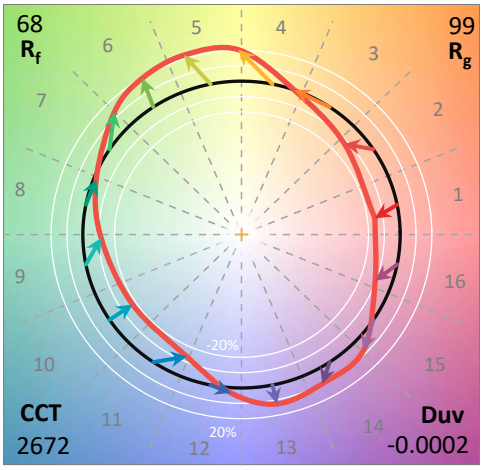
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

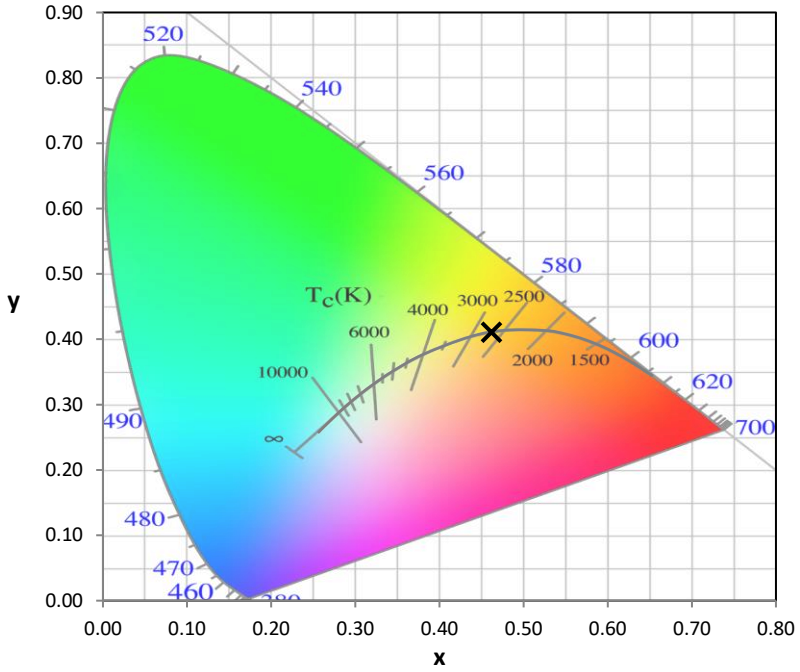
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

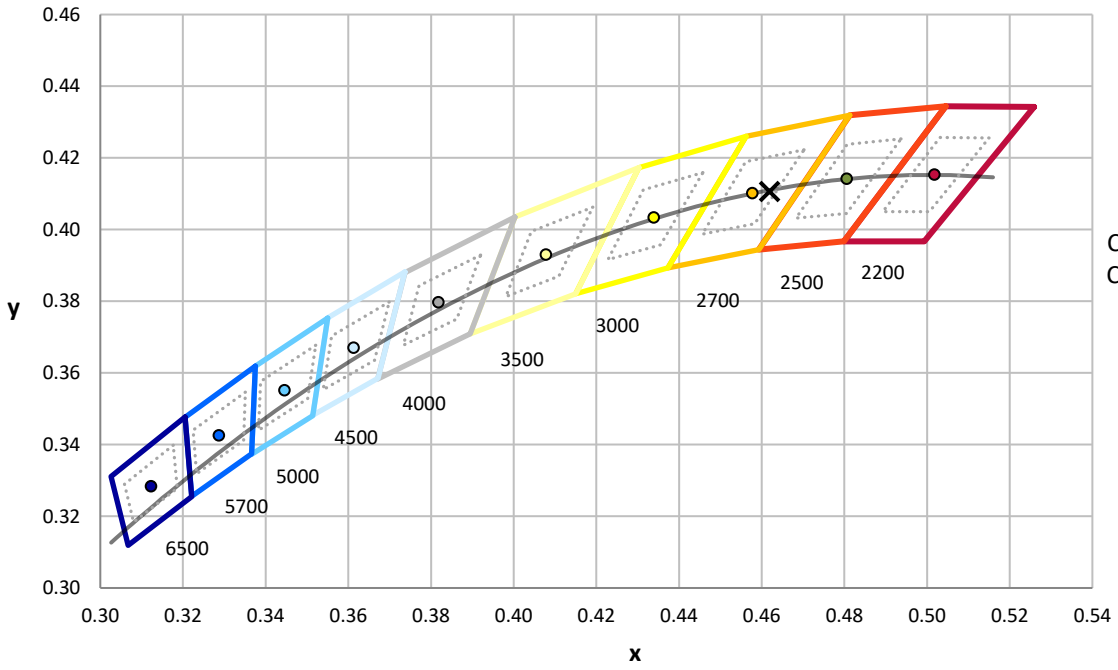
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

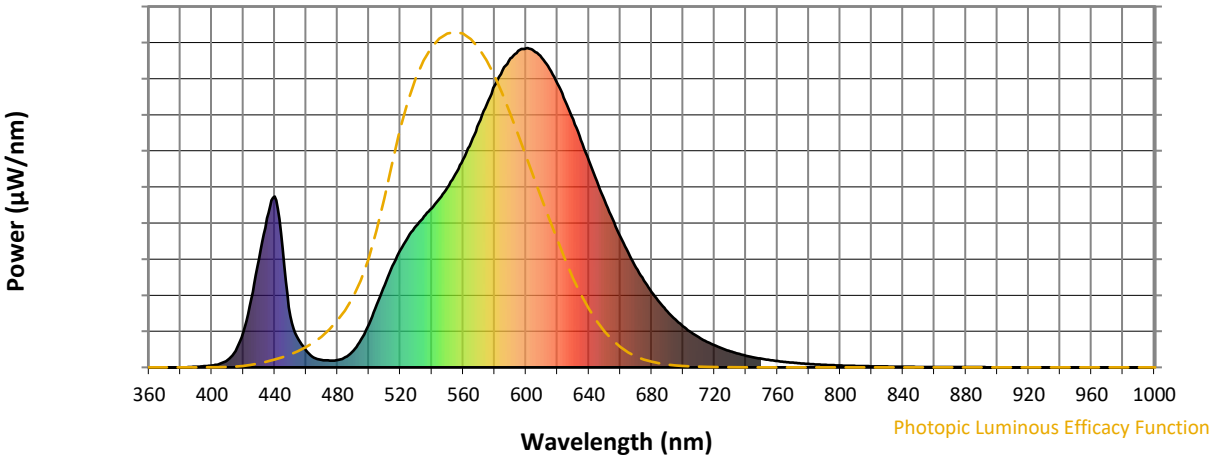


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

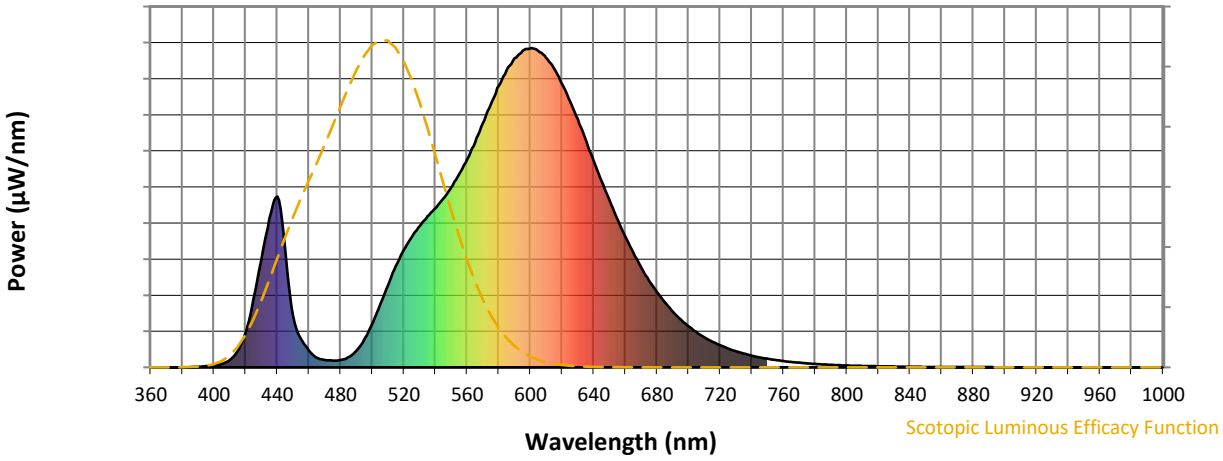


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

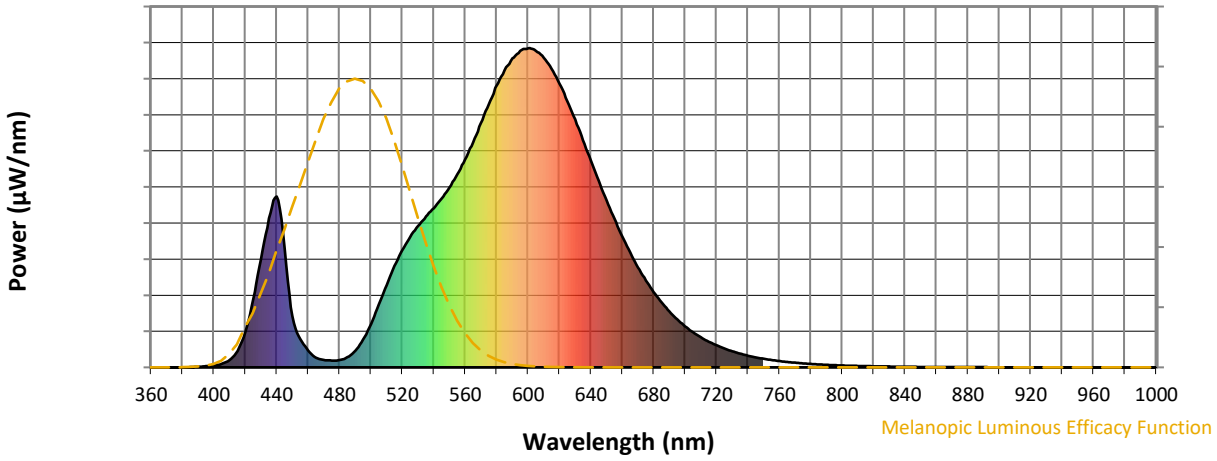


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

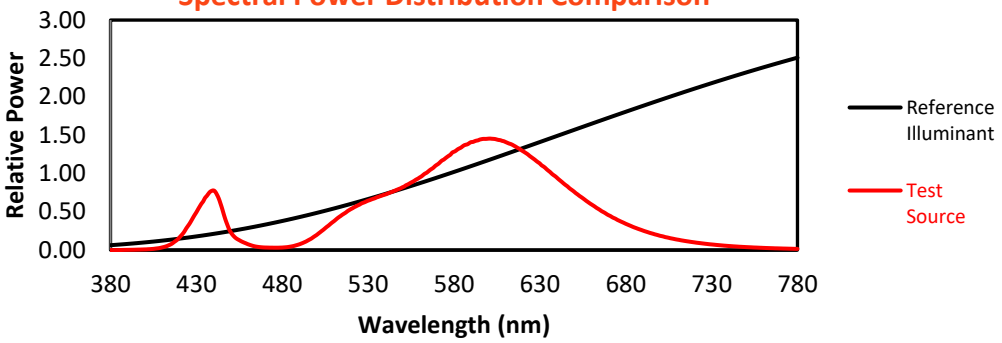
REPORT NUMBER: SP1-2407-184-3

TM-30-18

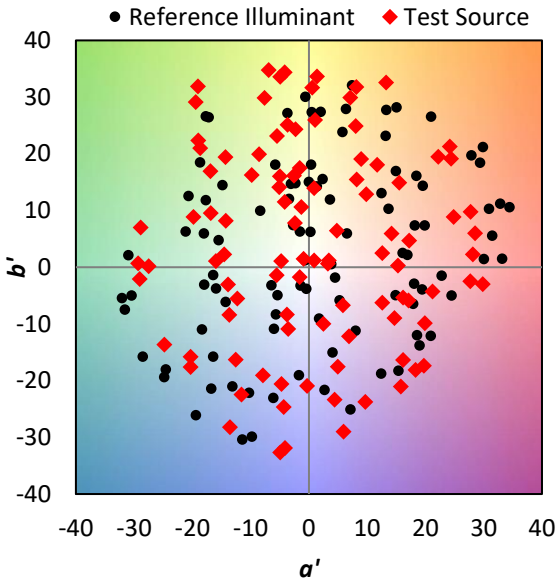
Summary

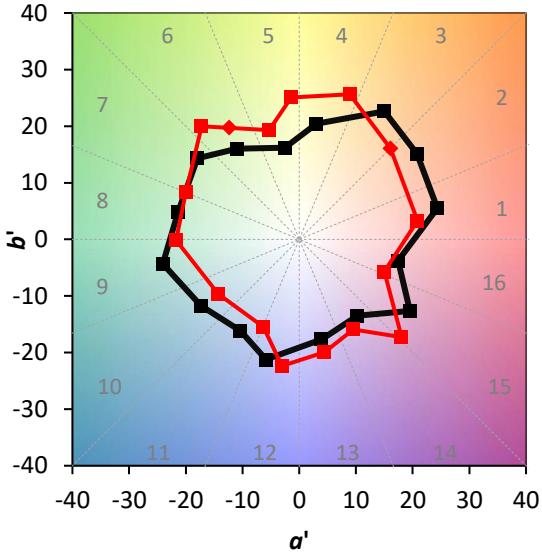
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

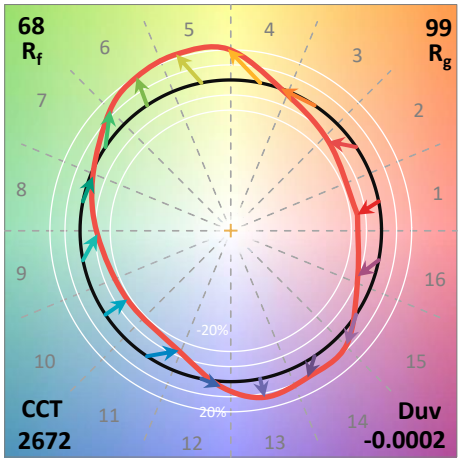
Spectral Power Distribution Comparison

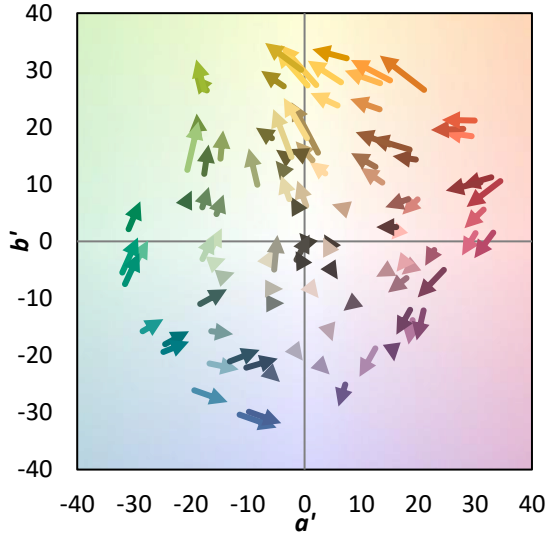


Color Vector Graphics







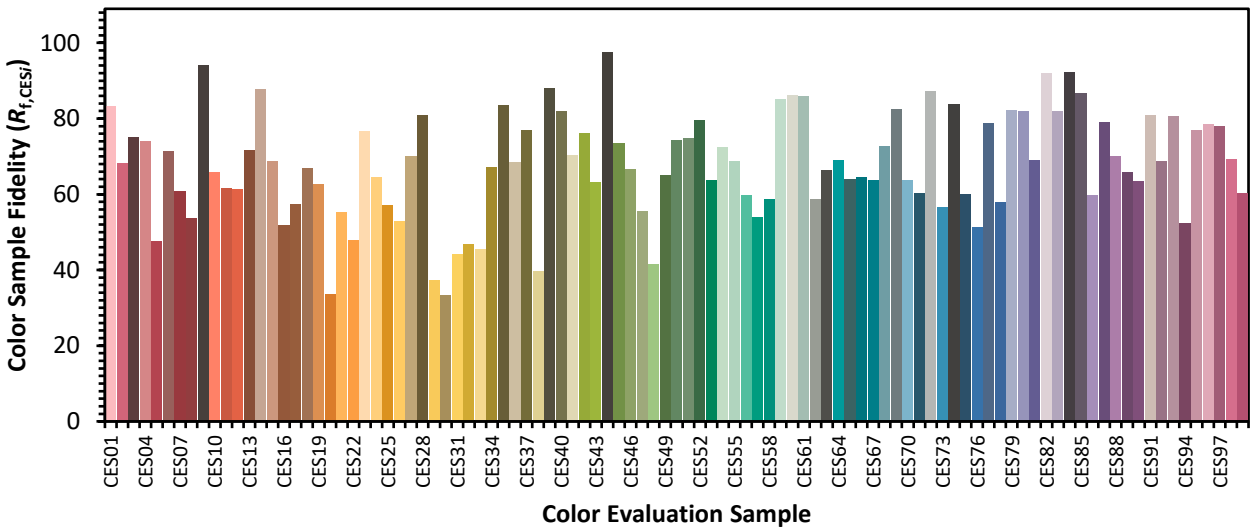


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

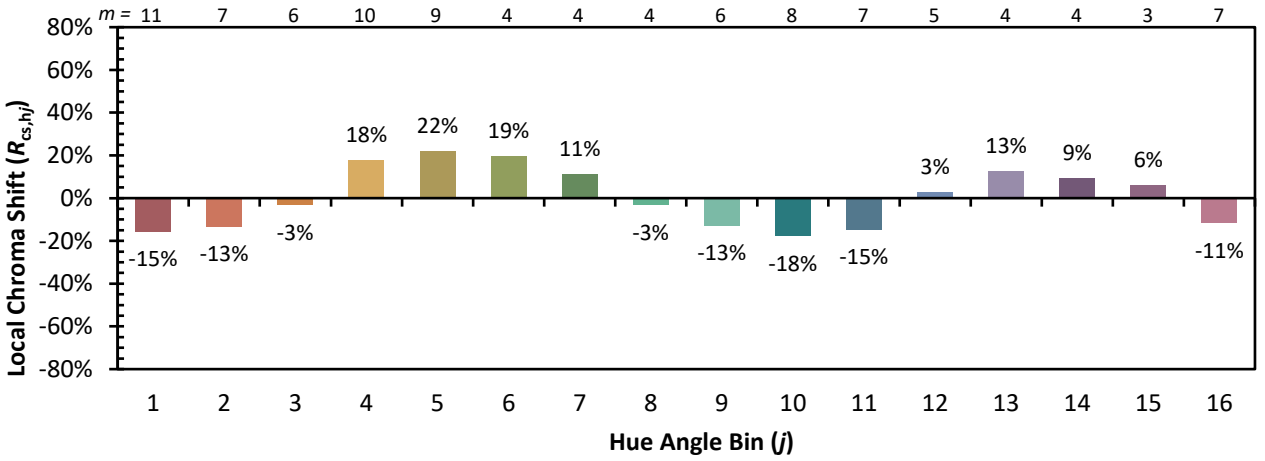
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

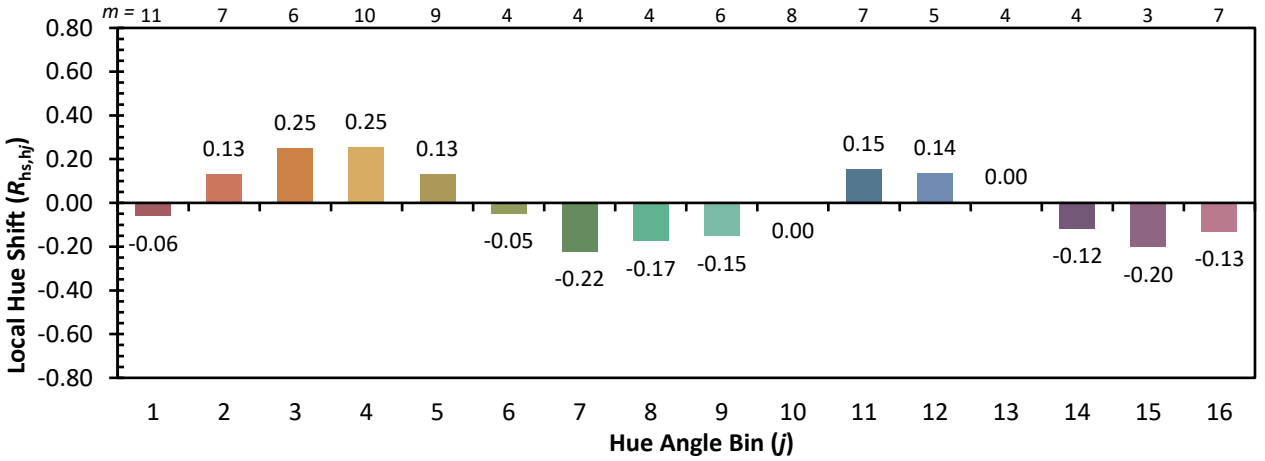


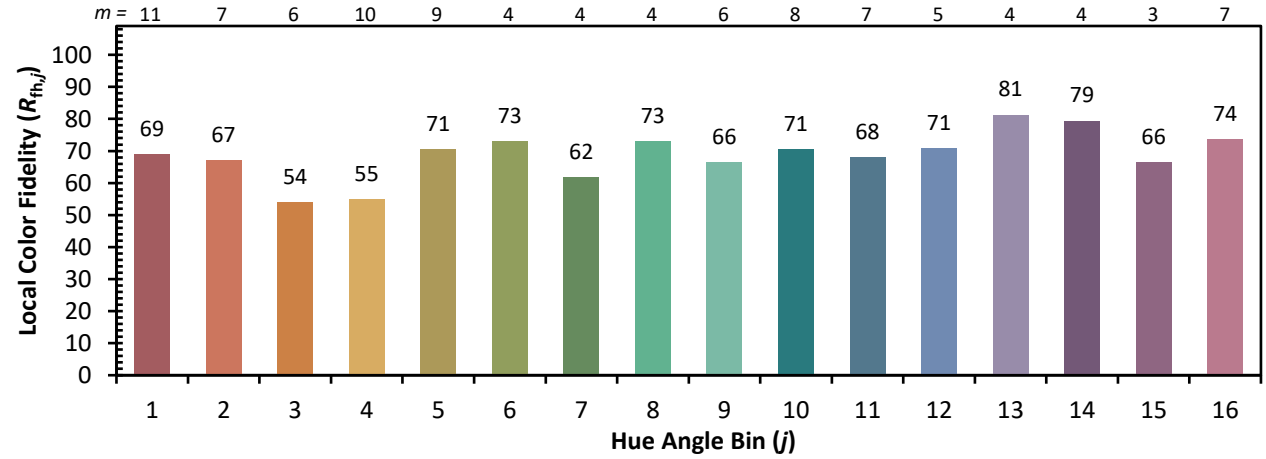
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



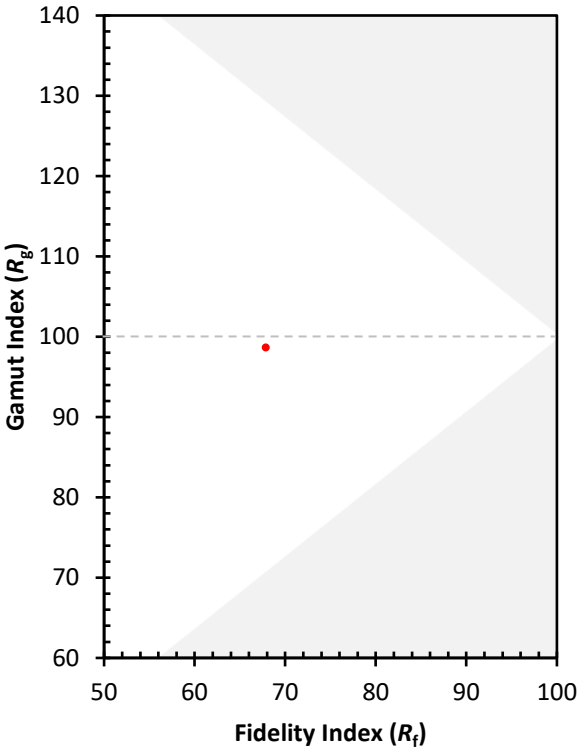


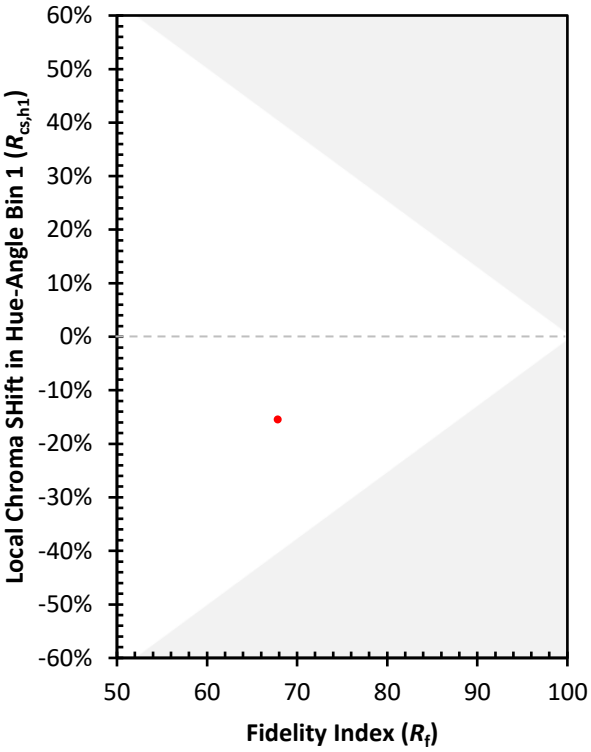


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)