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: P1366468

Luminaire Tested: **GSS-SB6B-722-U-T3R**

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:	P1366468
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-722-U-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 2200K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27058.3 lumens
Efficiency:	N/A
Efficacy:	123.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

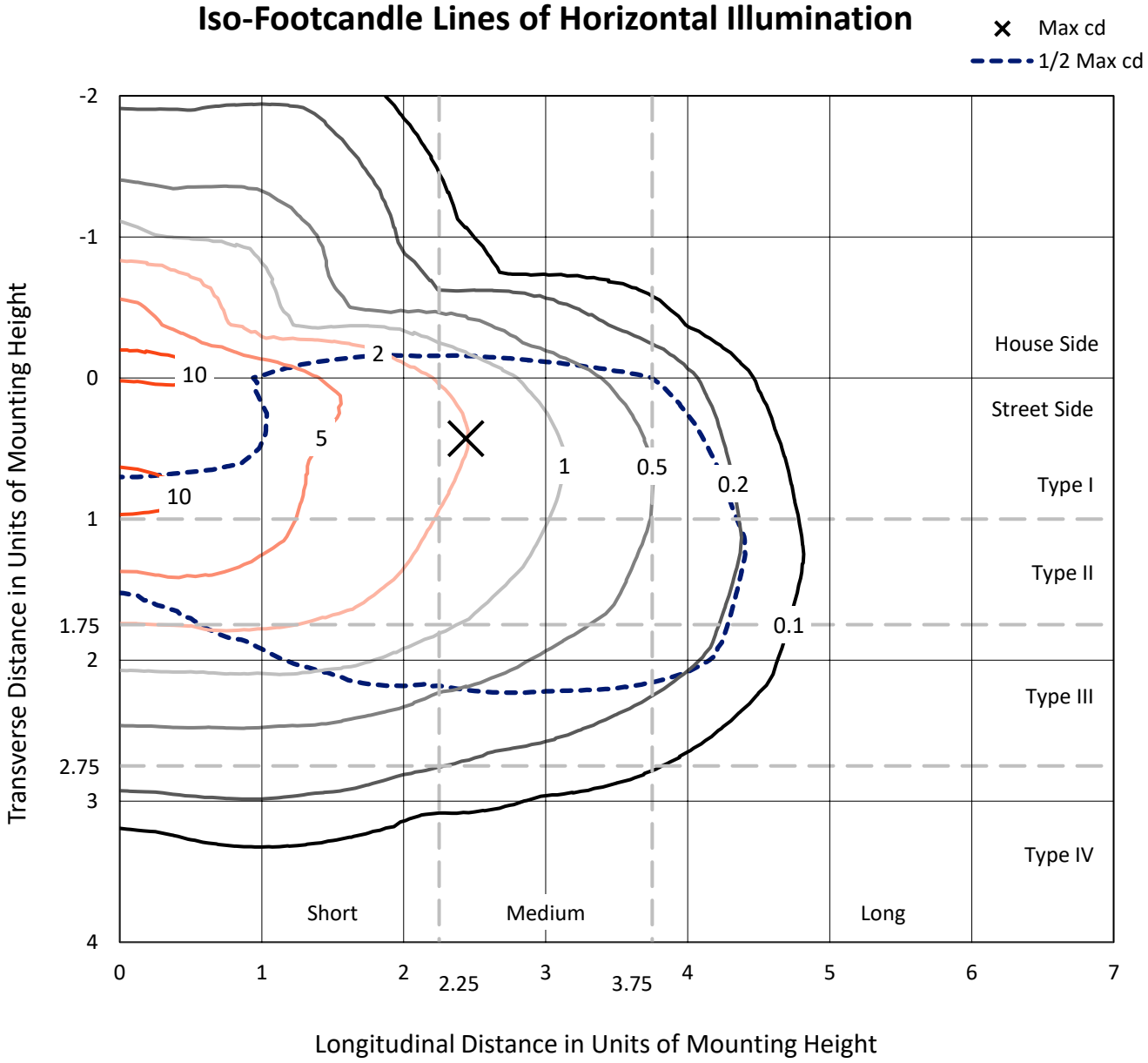
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366468
CATALOG NUMBER: GSS-SB6B-722-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



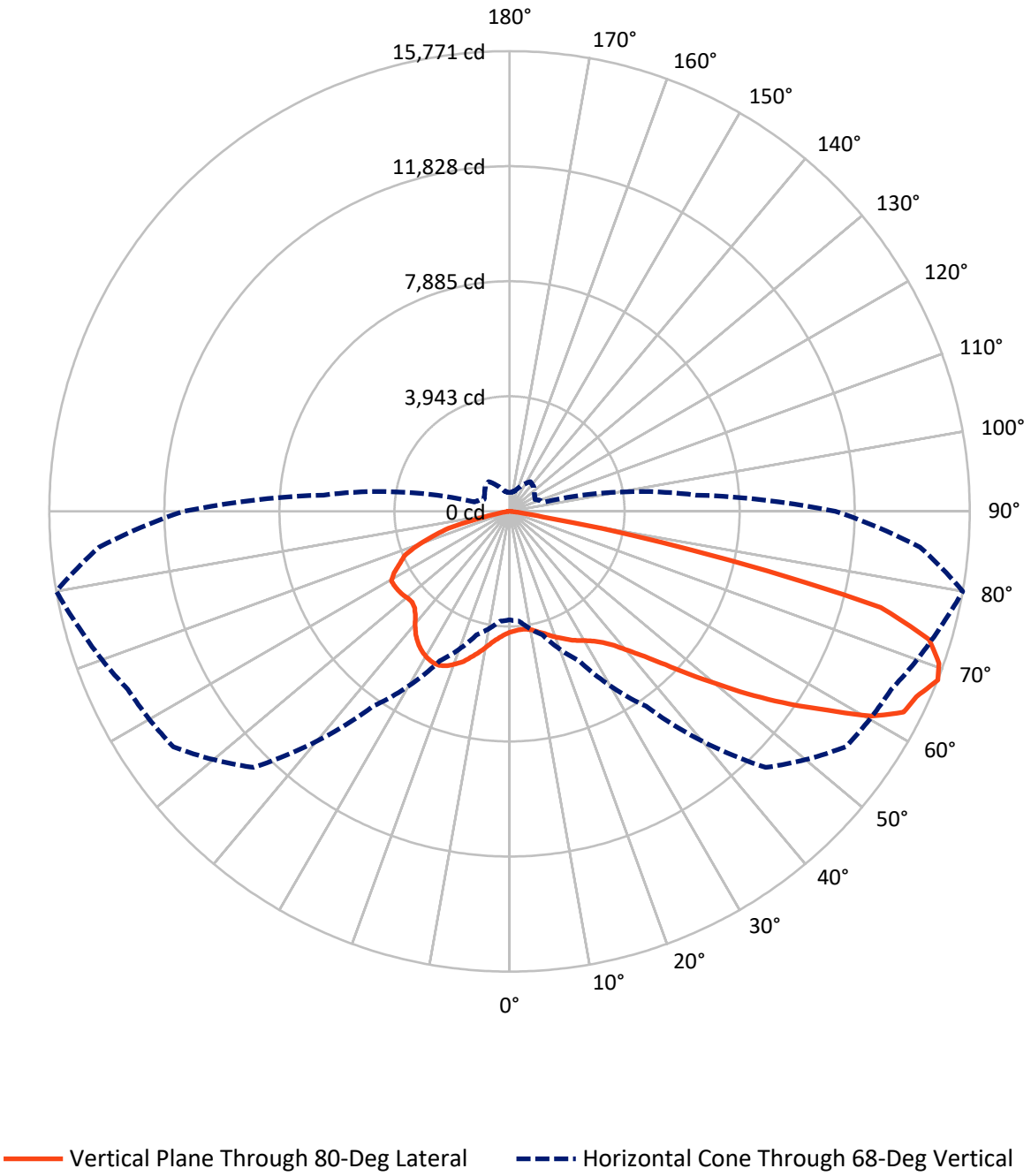
Based on 20 foot mounting height. Maximum calculated value = 11.7 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366468
CATALOG NUMBER: GSS-SB6B-722-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

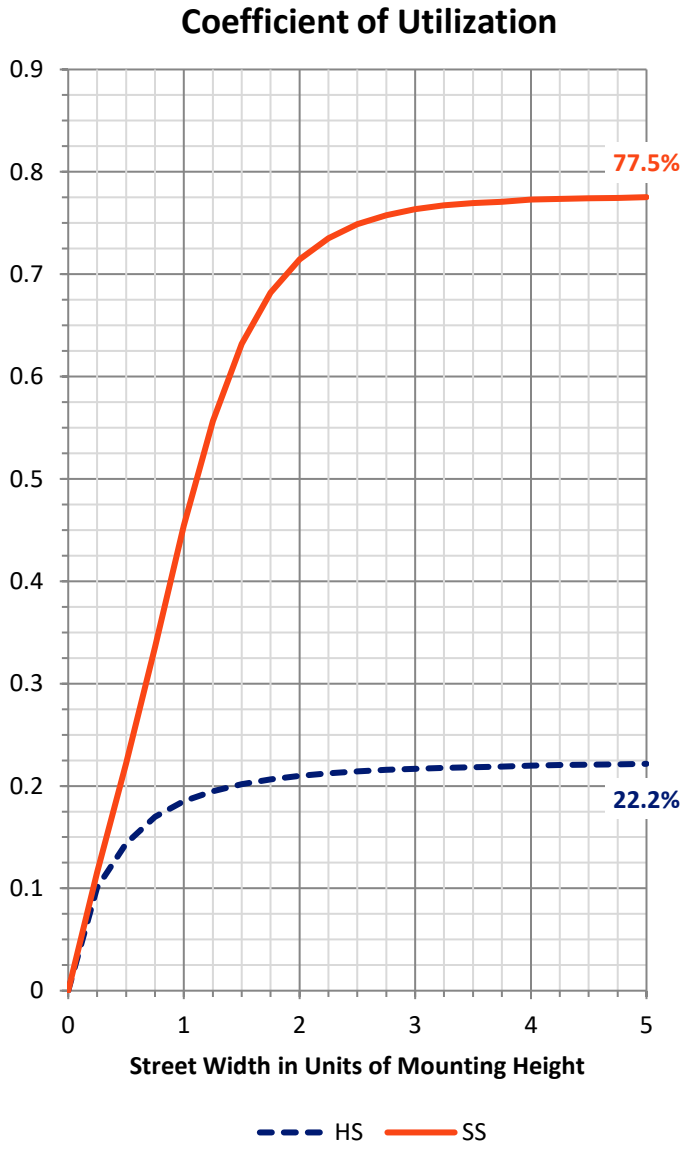
REPORT NUMBER: P1366468
CATALOG NUMBER: GSS-SB6B-722-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6046.5	0.0	6046.5
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	21011.8	0.0	21011.8
	% Fixture	77.7	0.0	77.7
Total	Lumens	27058.3	0.0	27058.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.1	1.5
10°-20°	1142.3	4.2
20°-30°	1883.6	7.0
30°-40°	2891.8	10.7
40°-50°	4465.0	16.5
50°-60°	6167.3	22.8
60°-70°	6320.8	23.4
70°-80°	3579.9	13.2
80°-90°	207.5	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°	27058.3	100.0
0°-180°	27058.3	100.0



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

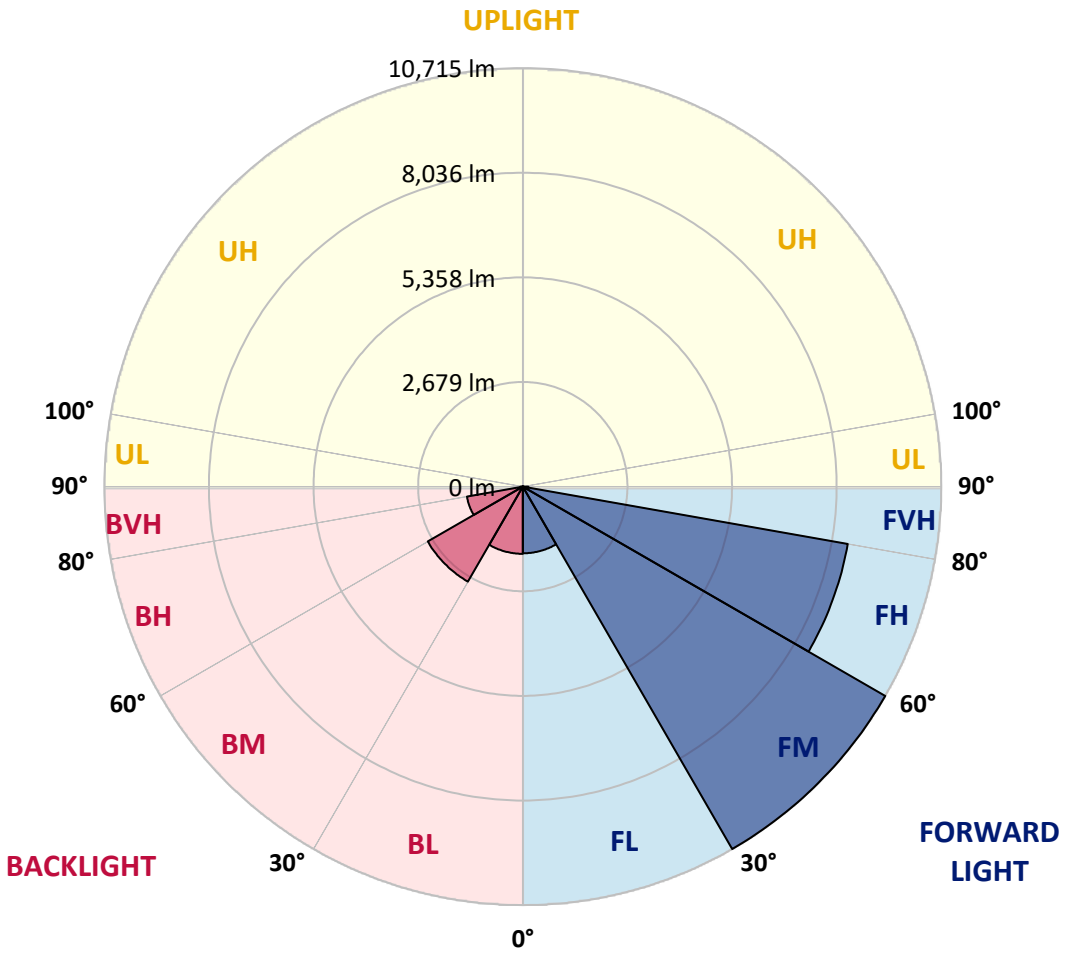
Scaled Data Report

REPORT NUMBER: P1366468
CATALOG NUMBER: GSS-SB6B-722-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1705.9	6.3			
FM	(30°-60°)	10715.3	39.6			
FH	(60°-80°)	8447.6	31.2			G4/12000
FVH	(80°-90°)	143.1	0.5			G2/225
BL	(0°-30°)	1720.1	6.4	B3/2500		
BM	(30°-60°)	2808.8	10.4	B3/5000		
BH	(60°-80°)	1453.1	5.4	B3/2500		G3/2500
BVH	(80°-90°)	64.4	0.2			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: P1366468
CATALOG NUMBER: GSS-SB6B-722-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	*4133.6*	4133.6
2.5°	3843.3	3830.7	3824.4	3837.0	3856.0	3893.8	3938.0	3969.5	4045.3	*4089.5*	4127.3
5°	3641.4	3635.1	3635.1	3666.6	3698.2	3742.4	3805.5	3862.3	3975.9	*4064.2*	4127.3
7.5°	3401.6	3395.3	3395.3	3464.7	3527.8	3628.8	3729.7	3824.4	3963.2	*4076.8*	4177.8
10°	3149.1	3149.1	3161.8	3250.1	3357.4	3502.5	3672.9	3818.1	3994.8	*4127.3*	4266.2
12.5°	3041.8	3035.5	3041.8	3123.9	3231.2	3426.8	3622.5	3843.3	4057.9	*4228.3*	4392.4
15°	3067.1	3054.5	3041.8	3111.3	3193.3	3388.9	3622.5	3893.8	4165.2	*4329.3*	4556.5
17.5°	3199.6	3193.3	3155.4	3174.4	3231.2	3407.9	3654.0	3969.5	4272.5	*4468.1*	4714.2
20°	3458.4	3439.4	3382.6	3351.1	3357.4	3471.0	3710.8	4070.5	4373.4	*4606.9*	4884.6
22.5°	3887.5	3874.9	3780.2	3654.0	3572.0	3603.5	3811.8	4184.1	4512.3	*4733.2*	5080.3
25°	4455.5	4423.9	4278.8	4076.8	3887.5	3818.1	3938.0	4335.6	4644.8	*4884.6*	5263.3
27.5°	5061.3	5067.6	4935.1	4632.2	4304.0	4070.5	4102.1	4487.0	4796.3	*5010.8*	5421.1
30°	5768.2	5736.6	5591.4	5275.9	4796.3	4405.0	4272.5	4632.2	4935.1	*5137.1*	5610.4
32.5°	6702.2	6708.5	6449.7	5963.8	5364.3	4815.2	4493.4	4783.7	5092.9	*5301.1*	5843.9
35°	7831.8	7806.6	7497.3	6910.4	6096.3	5288.5	4777.3	4979.3	5282.2	*5515.7*	6115.3
37.5°	8841.6	8772.1	8589.1	8027.5	7017.7	5932.2	5162.3	5238.0	5578.8	*5825.0*	6519.1
40°	9744.0	9712.5	9680.9	9251.8	8071.6	6733.7	5667.2	5635.6	5944.9	*6266.7*	7017.7
42.5°	10488.7	10482.4	10495.0	10400.3	9359.0	7737.2	6374.0	6153.1	6462.4	*6790.5*	7604.6
45°	11031.4	11018.8	11151.3	11347.0	10614.9	8936.2	7207.0	6796.8	7118.7	*7491.0*	8349.3
47.5°	11612.0	11618.3	11801.4	12129.5	11839.2	10129.0	8153.7	7598.3	7888.6	*8361.9*	9239.1
50°	11839.2	11839.2	12274.7	12741.7	12823.7	11397.5	9283.3	8551.3	8847.9	*9352.7*	10135.3
52.5°	11347.0	11441.6	12205.3	13082.5	13467.4	12571.3	10476.1	9586.2	9838.7	*10488.7*	11025.1
55°	8595.4	8929.9	11675.1	12918.4	13707.3	13492.7	11662.5	10734.8	11012.5	*11656.2*	11940.2
57.5°	7421.6	7510.0	9157.1	12344.1	13404.3	13991.2	12760.6	11959.1	12211.6	*12842.7*	12893.1
60°	6525.5	6645.4	7655.1	11372.2	12804.8	13940.8	13675.7	13088.8	13442.2	*14243.7*	13858.7
62.5°	5288.5	5414.7	6266.7	9087.7	12015.9	13587.3	14388.8	14155.3	14489.8	*15158.8*	14256.3
65°	4657.4	4701.6	5313.8	6967.2	10564.4	13284.4	14754.9	14609.7	14754.9	*15316.5*	14054.4
67.5°	3881.2	3969.5	4562.8	5913.3	8532.3	12640.7	14212.1	14420.4	15139.8	*15695.2*	14205.8
68°	*3717.1*	*3780.2*	*4386.1*	*5654.6*	*8153.7*	*12407.2*	*14067.0*	*14433.0*	*15291.3*	*15770.9*	*14123.8*
70°	3035.5	3123.9	3660.3	4739.5	6834.7	9933.3	13499.0	14679.1	15398.6	*15613.1*	13675.7
72.5°	1502.0	1659.8	2524.4	3344.8	4935.1	7181.8	11832.9	14363.6	15177.7	*15045.2*	12729.1
75°	530.1	568.0	1180.1	1811.2	2391.8	4651.1	8368.2	13095.1	13915.5	*13139.3*	10671.7
77.5°	378.7	410.2	669.0	915.1	984.5	2335.0	5364.3	8658.5	8229.4	*6374.0*	4859.4
80°	296.6	321.9	498.6	511.2	492.2	820.4	1830.2	2625.3	1849.1	*1161.2*	839.3
82.5°	183.0	220.9	372.3	309.2	227.2	258.7	429.1	706.8	504.9	*321.9*	258.7
85°	69.4	88.4	170.4	119.9	75.7	101.0	145.2	189.3	145.2	*107.3*	94.7
87.5°	6.3	6.3	12.6	12.6	18.9	25.2	37.9	50.5	56.8	*56.8*	56.8
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: P1366468
CATALOG NUMBER: GSS-SB6B-722-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6	4133.6
2.5°	4152.6	4171.5	4253.5	4297.7	4379.8	4442.9	4480.7	4499.7	4518.6	4531.2	4524.9
5°	4196.7	4253.5	4411.3	4531.2	4625.9	4689.0	4720.5	4745.8	4752.1	4764.7	4758.4
7.5°	4278.8	4367.1	4606.9	4745.8	4827.8	4853.1	4827.8	4815.2	4796.3	4777.3	4777.3
10°	4411.3	4550.2	4834.1	4935.1	4941.4	4903.6	4821.5	4726.9	4657.4	4632.2	4619.6
12.5°	4581.7	4777.3	5067.6	5092.9	5010.8	4834.1	4600.6	4405.0	4278.8	4184.1	4177.8
15°	4790.0	5017.2	5269.6	5193.9	4960.4	4588.0	4203.1	3925.4	3780.2	3698.2	3660.3
17.5°	5004.5	5294.8	5452.6	5244.3	4752.1	4146.3	3685.6	3464.7	3332.1	3288.0	3256.4
20°	5244.3	5522.0	5578.8	5168.6	4373.4	3654.0	3237.5	3098.6	3098.6	3086.0	3073.4
22.5°	5490.5	5755.5	5648.2	4960.4	3874.9	3168.1	2915.6	2966.1	3054.5	3079.7	3079.7
25°	5717.7	5957.5	5648.2	4588.0	3281.7	2770.5	2789.4	2909.3	3022.9	3086.0	3086.0
27.5°	5938.5	6083.7	5534.7	4064.2	2745.2	2568.5	2682.1	2827.3	3010.3	3105.0	3111.3
30°	6159.4	6178.4	5332.7	3395.3	2360.3	2423.4	2555.9	2745.2	2947.2	3067.1	3079.7
32.5°	6392.9	6266.7	5048.7	2732.6	2183.6	2284.5	2442.3	2593.8	2751.5	2839.9	2846.2
35°	6658.0	6348.8	4682.7	2221.4	2070.0	2189.9	2309.8	2360.3	2404.4	2454.9	2486.5
37.5°	6948.3	6456.0	4203.1	1962.7	1962.7	2101.5	2170.9	2070.0	2057.4	2051.0	2032.1
40°	7270.1	6569.6	3603.5	1830.2	1880.6	2006.9	1950.1	1830.2	1741.8	1647.1	1653.5
42.5°	7674.0	6714.8	2921.9	1767.0	1823.8	1931.1	1773.4	1628.2	1388.4	1325.3	1337.9
45°	8134.7	6897.8	2379.2	1710.3	1779.7	1861.7	1653.5	1375.8	1224.3	1287.4	1331.6
47.5°	8620.7	7137.6	1987.9	1666.1	1760.7	1779.7	1577.7	1262.2	1161.2	1300.0	1356.8
50°	9195.0	7358.5	1804.9	1621.9	1754.4	1754.4	1445.2	1243.2	1110.7	1230.6	1287.4
52.5°	9775.6	7573.1	1710.3	1571.4	1735.5	1748.1	1413.6	1218.0	1041.3	1079.2	1104.4
55°	10343.5	7693.0	1659.8	1502.0	1716.6	1716.6	1426.3	1173.8	971.9	971.9	984.5
57.5°	10917.8	7775.0	1615.6	1420.0	1653.5	1621.9	1426.3	1142.3	946.6	921.4	934.0
60°	11555.2	7825.5	1571.4	1325.3	1565.1	1508.3	1420.0	1117.0	915.1	877.2	883.5
62.5°	11656.2	7472.1	1489.4	1224.3	1445.2	1413.6	1394.7	1085.5	864.6	788.9	788.9
65°	11296.5	6942.0	1388.4	1098.1	1287.4	1319.0	1344.2	1047.6	814.1	725.8	732.1
67.5°	11258.6	6544.4	1281.1	984.5	1079.2	1199.1	1281.1	984.5	738.4	662.6	656.3
68°	*11170.3*	*6399.2*	*1249.6*	*959.3*	*1041.3*	*1173.8*	*1243.2*	*959.3*	*725.8*	*650.0*	*650.0*
70°	10602.3	5768.2	1060.2	845.7	921.4	959.3	1091.8	852.0	650.0	586.9	593.2
72.5°	9497.9	4701.6	814.1	687.9	738.4	738.4	946.6	788.9	593.2	536.4	536.4
75°	7920.2	3717.1	618.5	542.7	517.5	599.5	769.9	713.1	523.8	479.6	460.7
77.5°	3597.2	1603.0	403.9	378.7	385.0	467.0	612.2	612.2	498.6	391.3	347.1
80°	795.2	498.6	246.1	227.2	227.2	296.6	429.1	441.8	359.7	271.4	233.5
82.5°	265.1	201.9	151.5	138.8	132.5	157.8	265.1	290.3	214.6	157.8	157.8
85°	101.0	94.7	82.0	75.7	63.1	63.1	82.0	132.5	113.6	75.7	75.7
87.5°	50.5	50.5	44.2	31.6	25.2	18.9	12.6	12.6	12.6	18.9	12.6
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

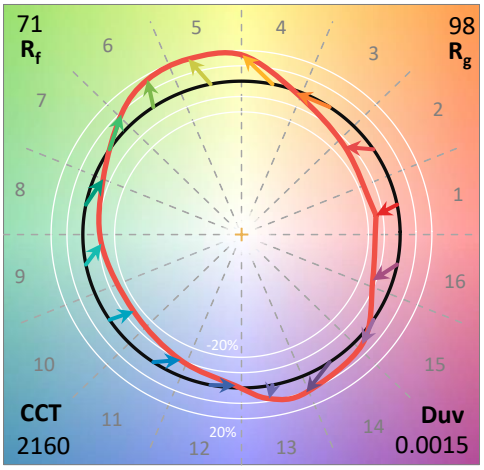
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

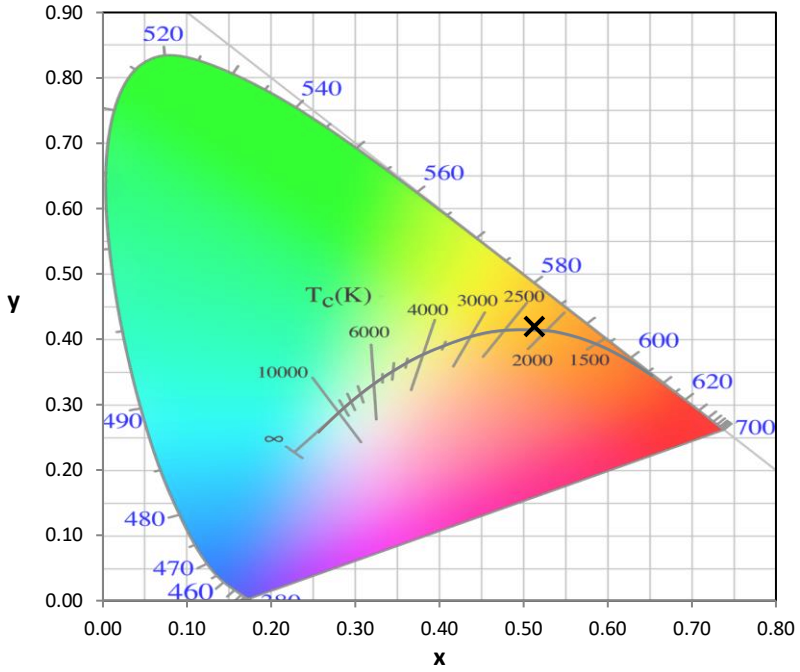
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

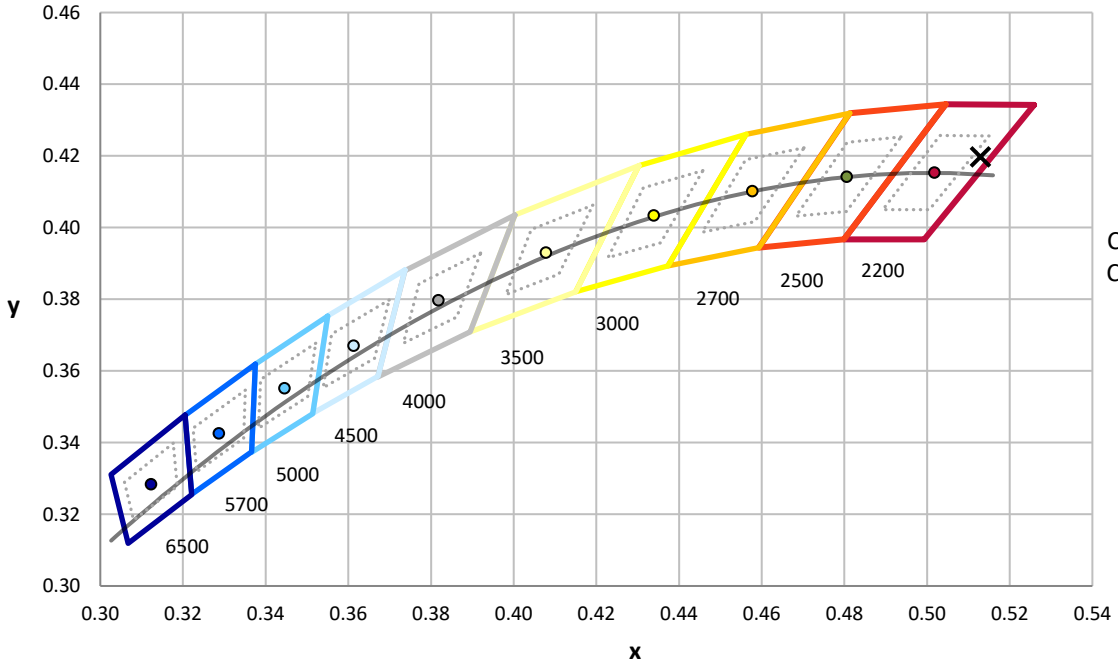
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

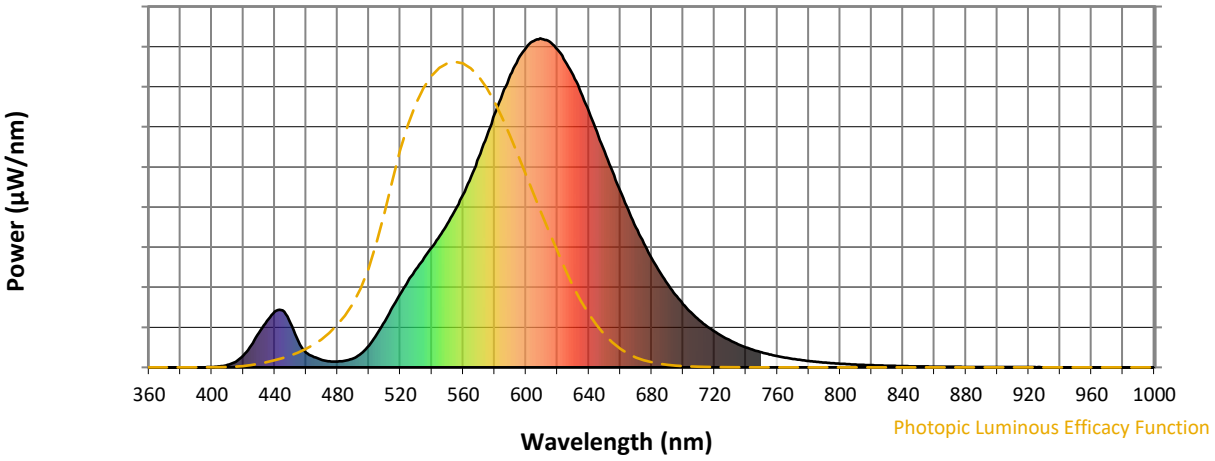


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

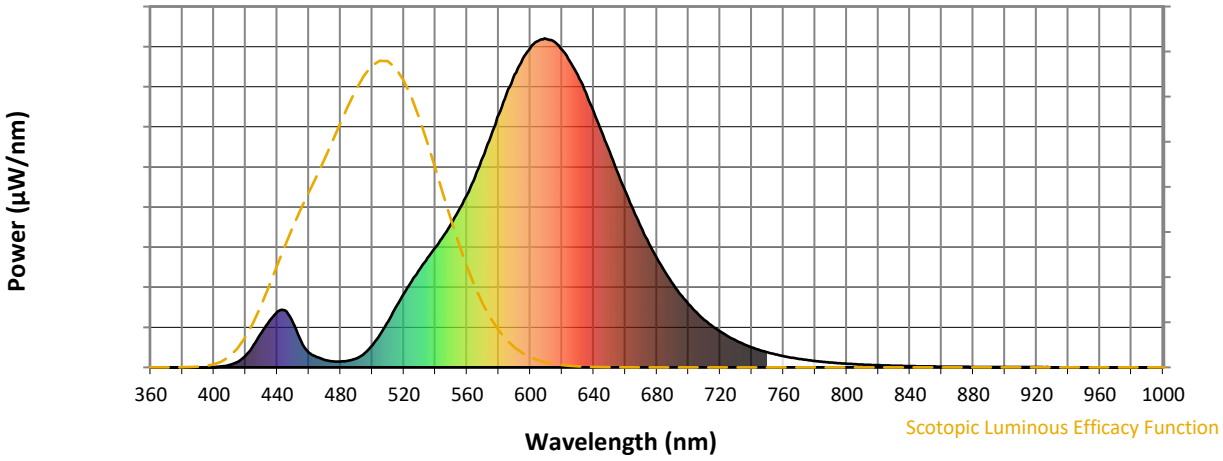


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

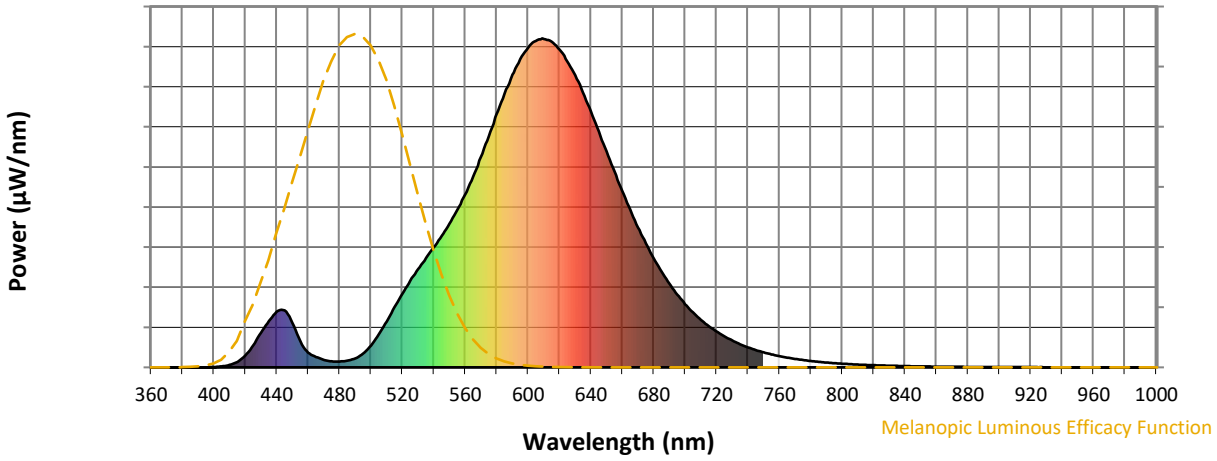


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

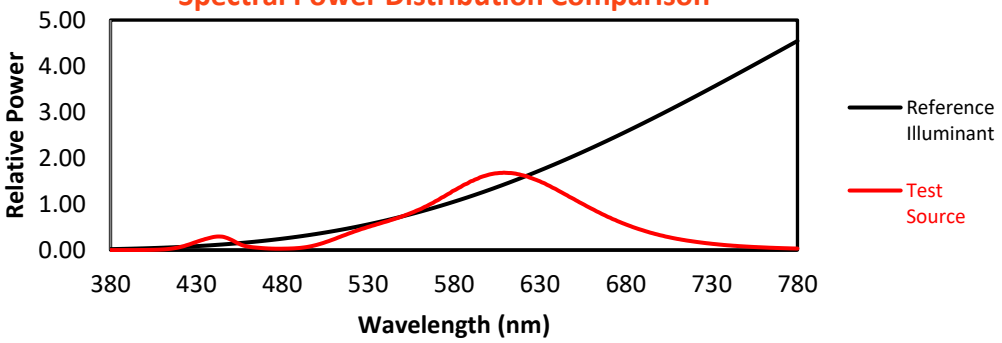
REPORT NUMBER: SP1-2407-184-2

TM-30-18

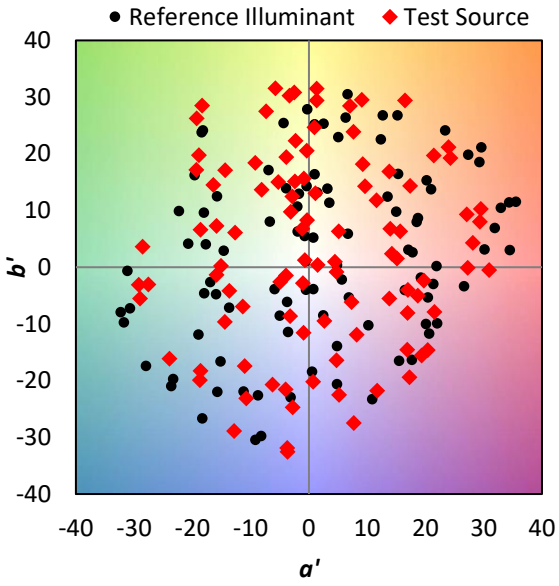
Summary

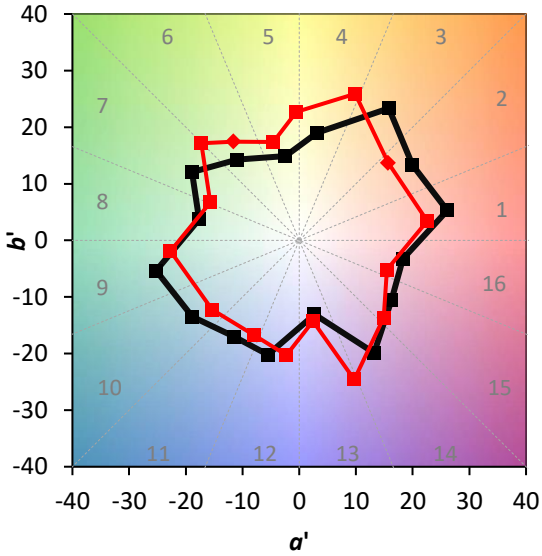
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

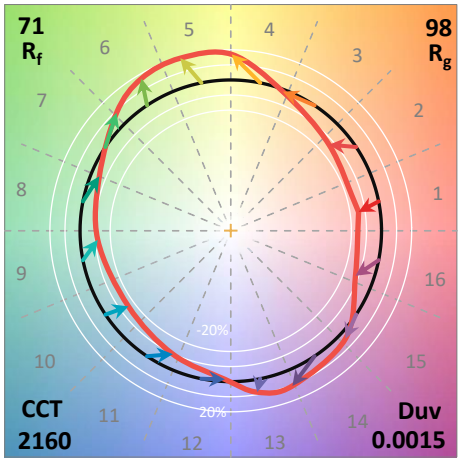
Spectral Power Distribution Comparison

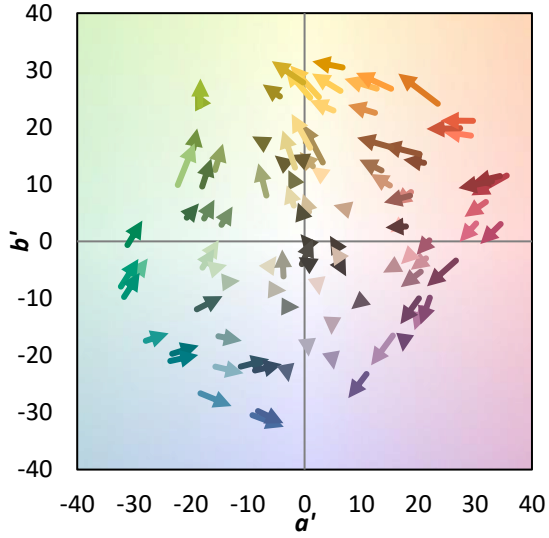


Color Vector Graphics







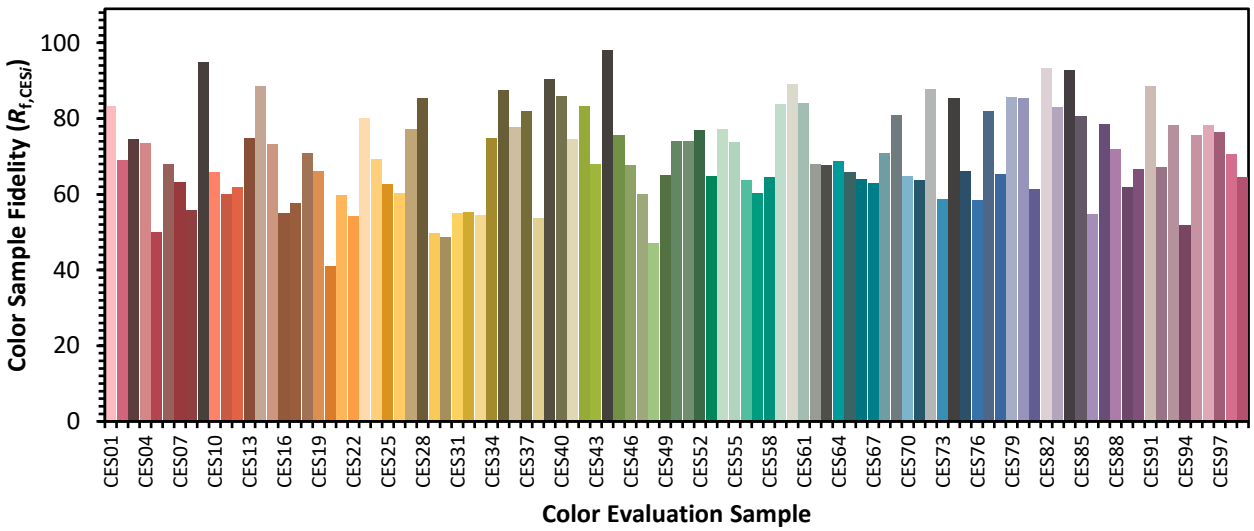


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

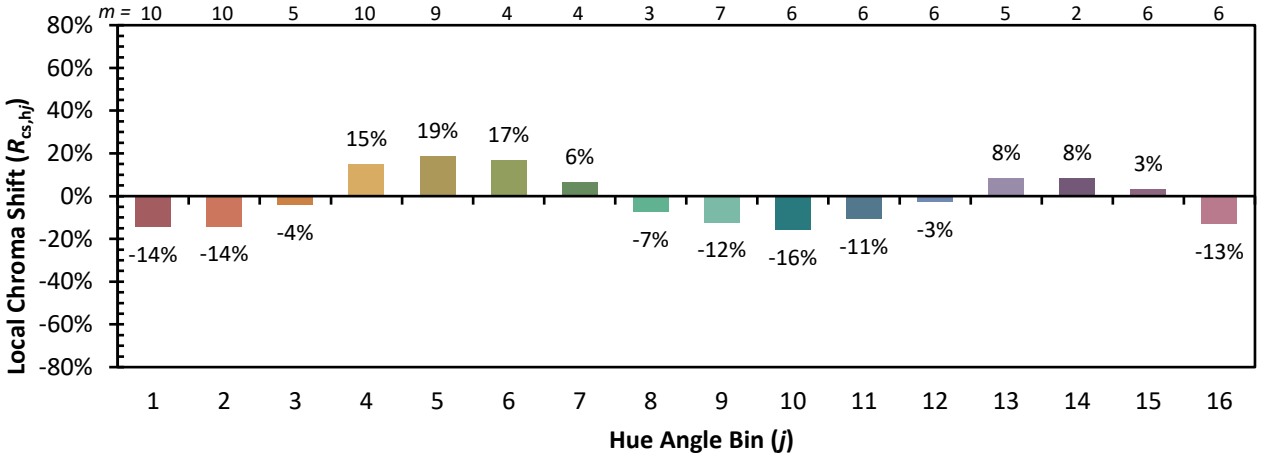
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

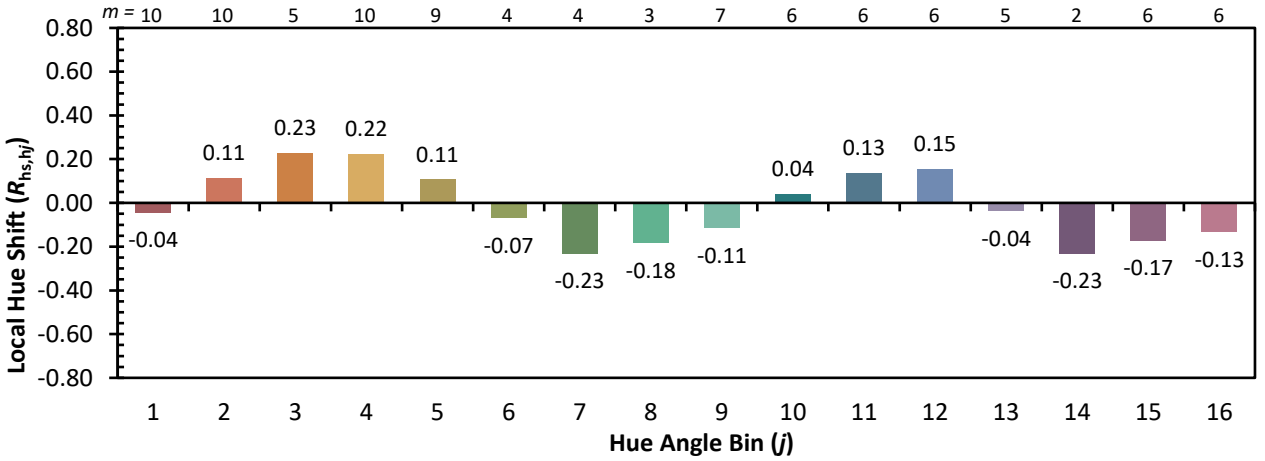


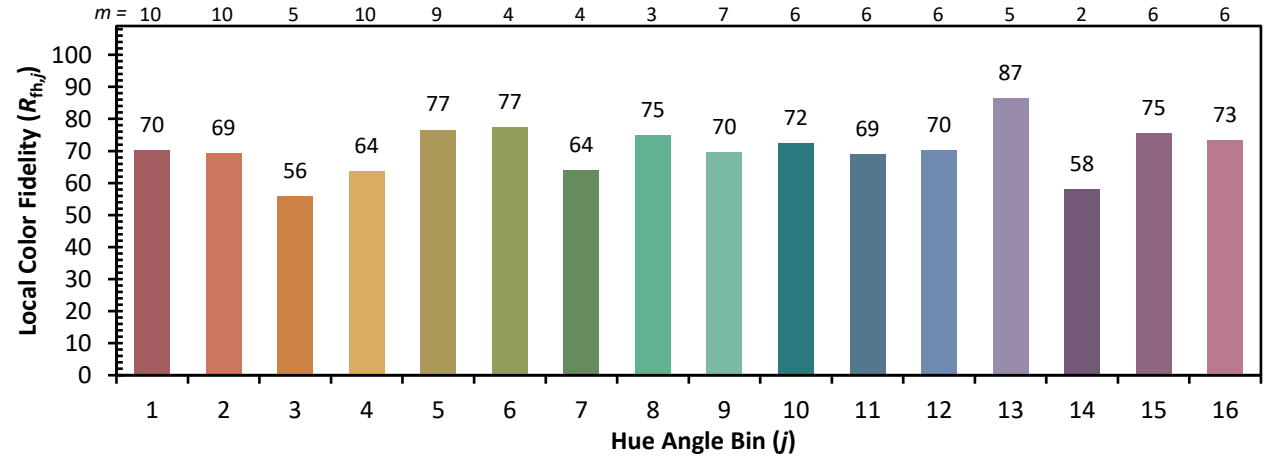
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



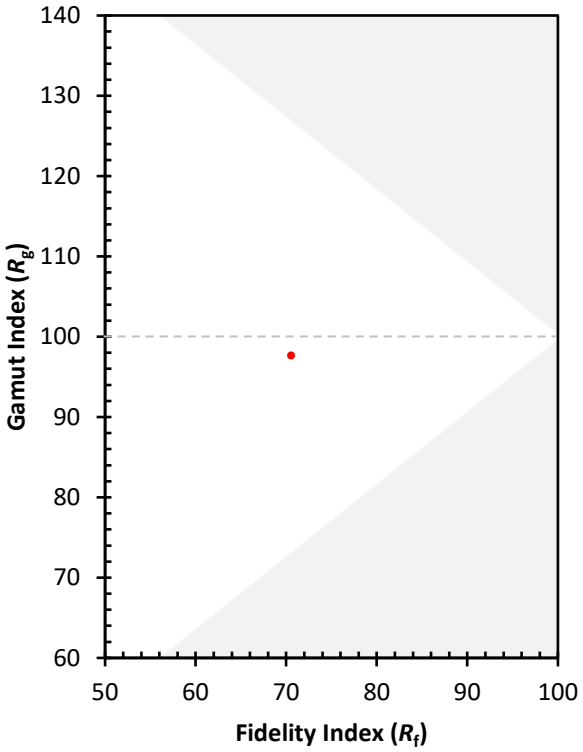


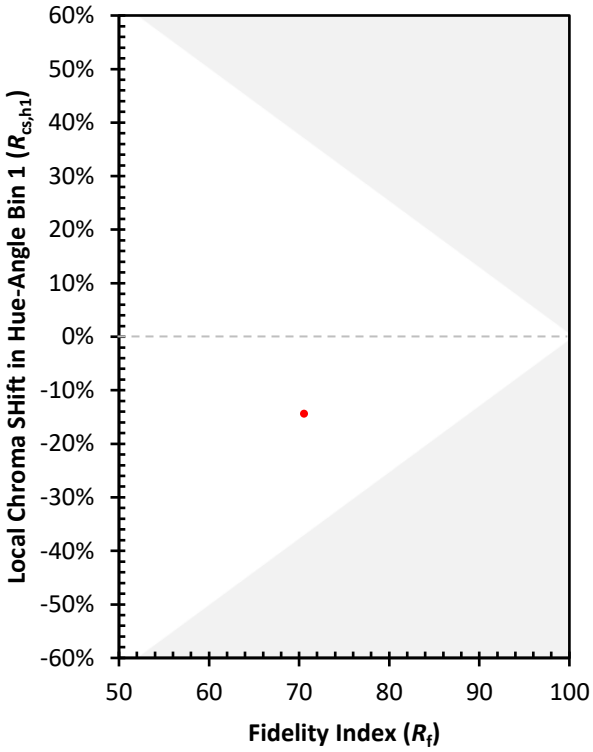


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)