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: P1365748

Luminaire Tested: **GSS-SB6B-730-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:	P1365748
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-730-U-T2R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 3000K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(156) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33034 lumens
Efficiency:	N/A
Efficacy:	150.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G4

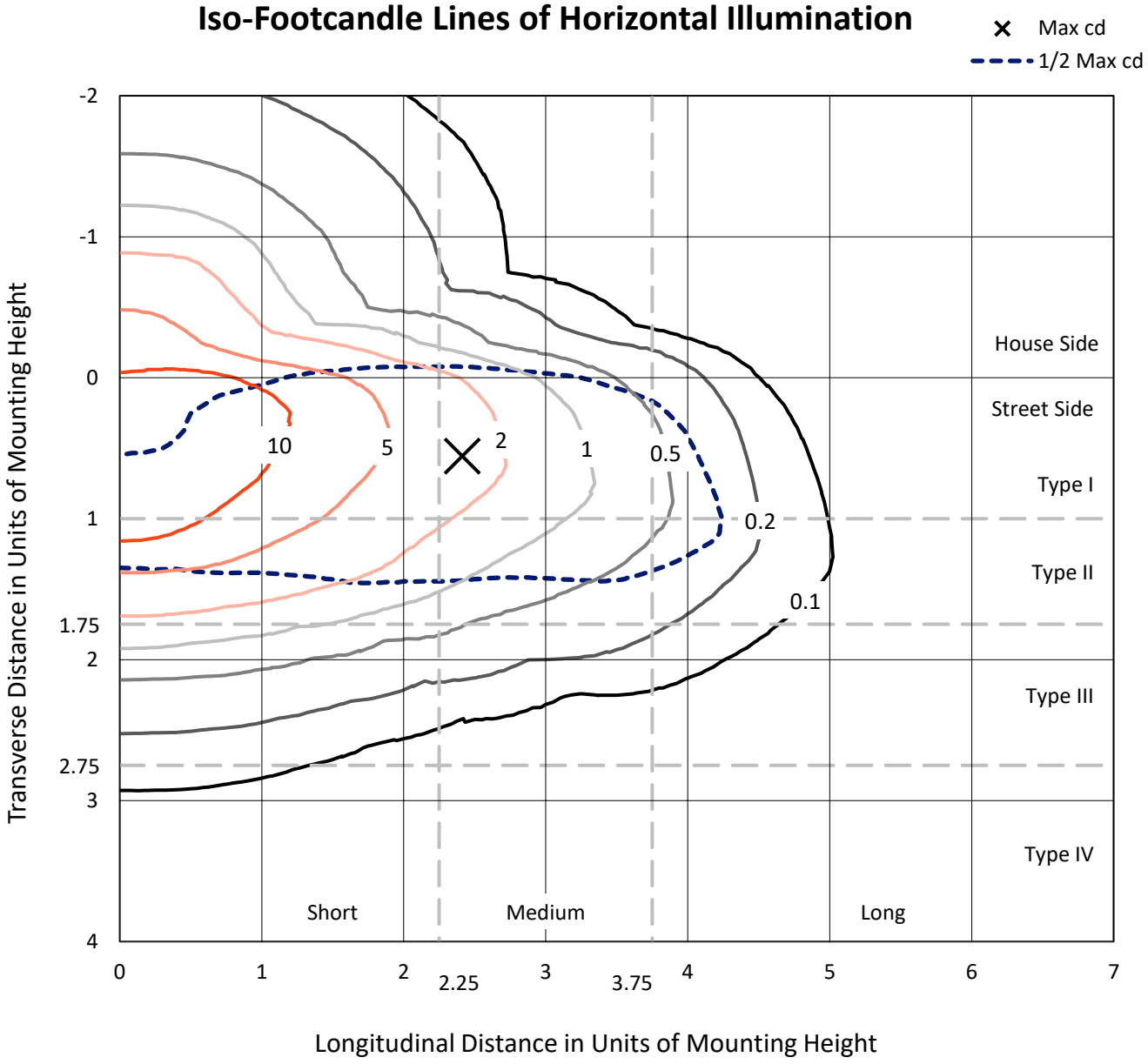
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365748
CATALOG NUMBER: GSS-SB6B-730-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



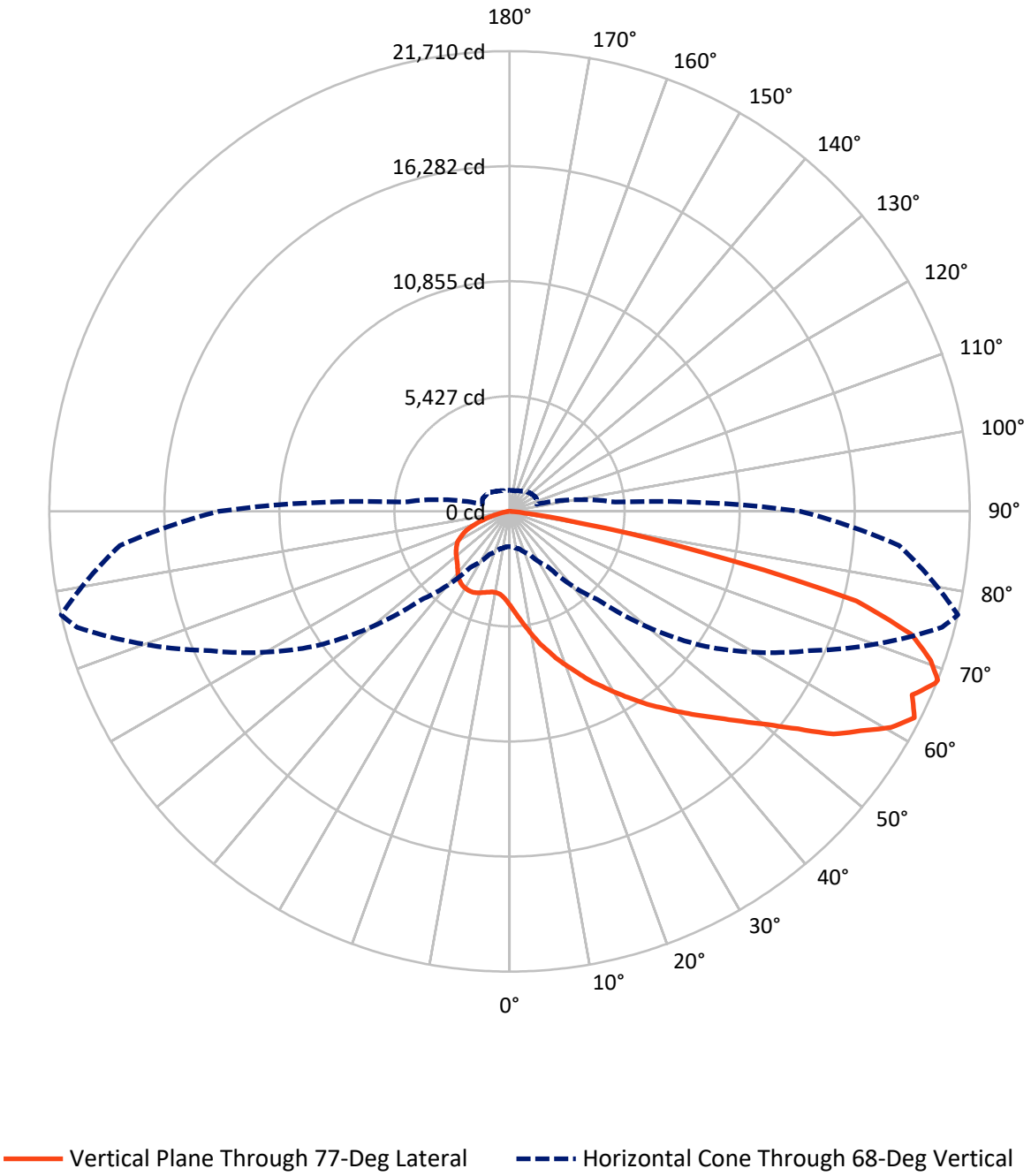
Based on 20 foot mounting height. Maximum calculated value = 19.3 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1365748
CATALOG NUMBER: GSS-SB6B-730-U-T2R

Luminous Intensity Polar Plot



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

Scaled Data Report

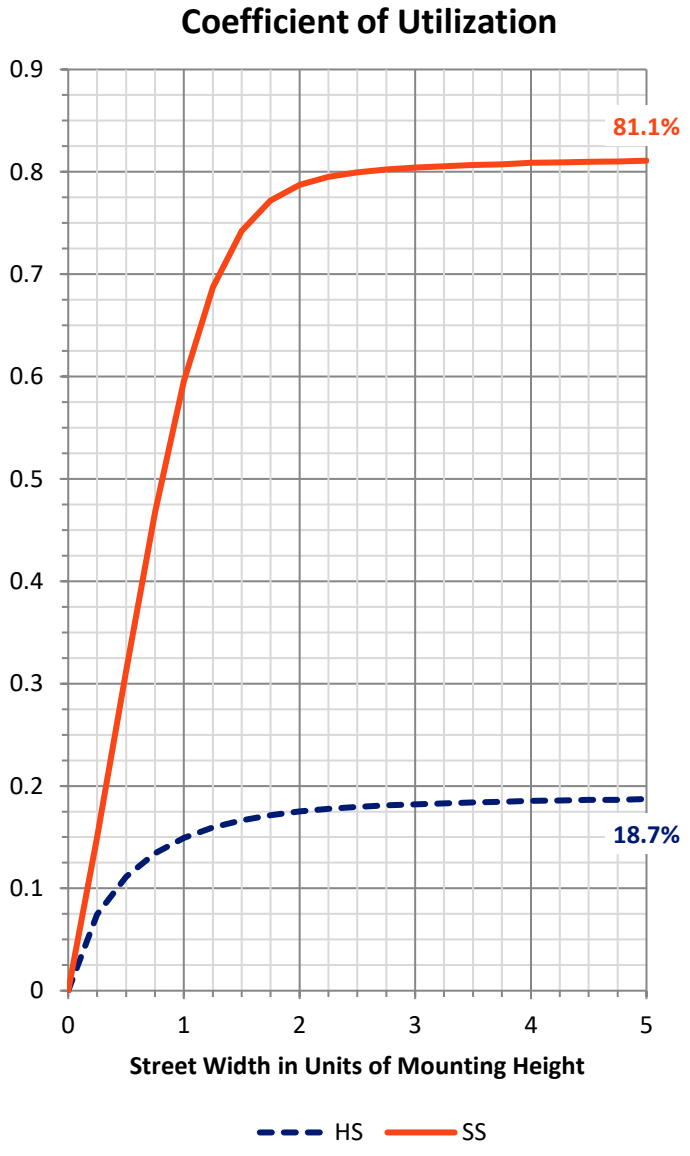
REPORT NUMBER: P1365748
CATALOG NUMBER: GSS-SB6B-730-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6235.9	0.0	6235.9
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	26798.1	0.0	26798.1
	% Fixture	81.1	0.0	81.1
Total	Lumens	33034.0	0.0	33034.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.9	1.4
10°-20°	1601.2	4.8
20°-30°	2926.8	8.9
30°-40°	4742.4	14.4
40°-50°	6522.8	19.7
50°-60°	7313.6	22.1
60°-70°	6164.0	18.7
70°-80°	3055.0	9.2
80°-90°	252.3	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°	33034.0	100.0
0°-180°	33034.0	100.0



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

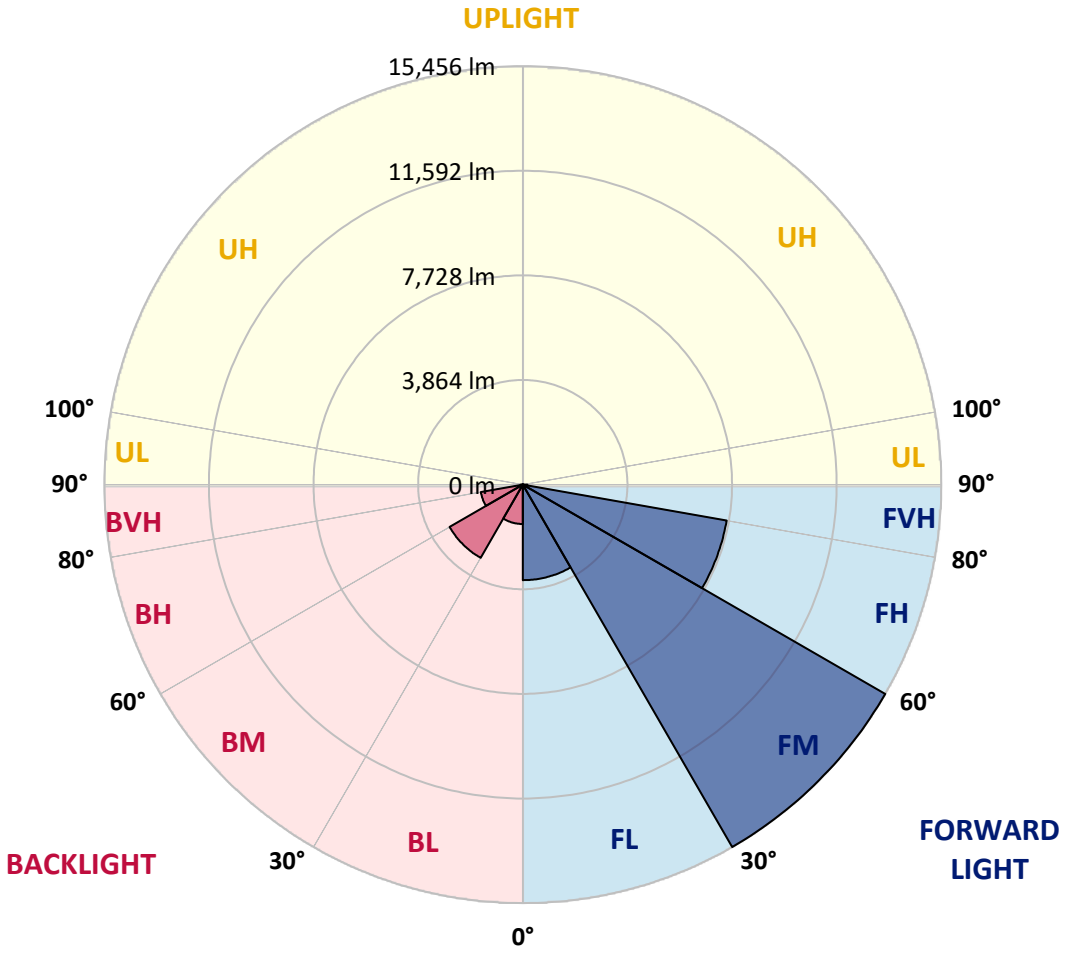
Scaled Data Report

REPORT NUMBER: P1365748
CATALOG NUMBER: GSS-SB6B-730-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3529.9	10.7			
FM	(30°-60°)	15456.4	46.8			
FH	(60°-80°)	7646.0	23.1			G4/12000
FVH	(80°-90°)	165.9	0.5			G2/225
BL	(0°-30°)	1453.9	4.4	B3/2500		
BM	(30°-60°)	3122.5	9.5	B3/5000		
BH	(60°-80°)	1573.0	4.8	B3/2500		G3/2500
BVH	(80°-90°)	86.5	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: P1365748
CATALOG NUMBER: GSS-SB6B-730-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	*4444.2*	4444.2
2.5°	5543.8	5513.3	5490.4	5414.0	5368.2	5246.0	5146.8	4978.8	4765.0	*4749.7*	4581.7
5°	6391.5	6353.3	6322.7	6215.8	6170.0	5956.2	5765.3	5467.5	5162.0	*5108.6*	4772.6
7.5°	7078.7	7032.9	7002.3	6903.1	6811.4	6643.4	6399.1	6040.2	5597.3	*5498.0*	5055.1
10°	7559.8	7559.8	7552.1	7491.1	7437.6	7277.2	6994.7	6574.7	6047.8	*5933.3*	5352.9
12.5°	7934.0	7911.0	7941.6	7979.8	7987.4	7895.8	7636.1	7162.7	6528.9	*6414.4*	5666.0
15°	7964.5	7972.1	8086.7	8239.4	8430.3	8460.8	8247.0	7750.7	6994.7	*6842.0*	6032.6
17.5°	7811.8	7850.0	8010.3	8262.3	8628.8	8850.3	8804.5	8361.6	7498.7	*7338.3*	6368.5
20°	7766.0	7811.8	7972.1	8285.2	8720.5	9087.0	9224.5	8903.7	8002.7	*7781.2*	6735.1
22.5°	8040.9	8056.1	8170.7	8430.3	8850.3	9270.3	9575.7	9423.0	8537.2	*8292.9*	7155.1
25°	8789.2	8773.9	8766.3	8827.4	9140.5	9507.0	9881.2	9911.7	9094.6	*8850.3*	7552.1
27.5°	10033.9	10095.0	9919.3	9583.4	9613.9	9896.4	10186.6	10347.0	9636.8	*9369.5*	7949.2
30°	11584.0	11576.4	11263.3	10721.1	10308.8	10408.1	10568.4	10759.3	10179.0	*9934.6*	8392.1
32.5°	12905.1	12874.5	12538.5	11912.4	11263.3	11049.5	11110.6	11148.8	10805.1	*10530.2*	8842.7
35°	13752.7	13760.3	13439.6	12897.4	12172.0	11820.7	11668.0	11576.4	11431.3	*11164.0*	9377.2
37.5°	14600.3	14554.5	14149.8	13508.3	12905.1	12614.9	12439.3	12049.8	12011.7	*11774.9*	9850.6
40°	15234.1	15188.3	14775.9	14042.9	13493.1	13256.3	13187.6	12599.6	12660.7	*12454.5*	10377.5
42.5°	15524.3	15531.9	15157.7	14493.4	13928.3	13813.8	13951.2	13233.4	13348.0	*13157.1*	10950.2
45°	15531.9	15493.7	15234.1	14707.2	14279.6	14188.0	14562.1	13951.2	14096.3	*13920.7*	11614.6
47.5°	15111.9	15111.9	15005.0	14691.9	14462.9	14470.5	15073.7	14676.7	14936.3	*14806.5*	12385.8
50°	14195.6	14271.9	14317.8	14378.9	14371.2	14669.0	15486.1	15432.6	15837.4	*15799.2*	13248.7
52.5°	11400.8	11721.5	12874.5	13615.2	14088.7	14646.1	15936.6	16211.5	16975.1	*17043.9*	14493.4
55°	9094.6	9171.0	10140.8	12049.8	13454.9	14455.2	16097.0	17089.7	18433.6	*18540.6*	15631.2
57.5°	7384.1	7567.4	8155.4	9980.4	12072.7	14027.6	16203.9	17563.1	19357.6	*19533.3*	16570.4
60°	5459.8	5566.7	6131.8	7643.8	10110.3	13027.3	16265.0	17998.4	20434.3	*20686.3*	17792.2
62.5°	4016.6	4024.2	4383.1	5337.7	7979.8	11385.5	15791.5	18349.6	21144.5	*21434.7*	18181.7
65°	2596.3	2626.8	2985.7	3810.4	5391.1	9331.4	14699.6	16975.1	20449.6	*20877.2*	17944.9
67.5°	1748.7	1802.1	2015.9	2428.3	3611.9	6658.7	11469.5	15715.2	21091.0	*21656.1*	18517.6
68°	*1664.7*	*1672.3*	*1840.3*	*2237.4*	*3214.8*	*5895.1*	*11026.6*	*15554.8*	*21121.6*	*21709.6*	*18448.9*
70°	1321.1	1336.3	1443.2	1657.0	2183.9	3611.9	8903.7	14210.9	20556.5	*21075.8*	17448.6
72.5°	1008.0	1030.9	1099.6	1183.6	1420.3	2214.5	5207.8	11576.4	19067.4	*19808.2*	15799.2
75°	855.2	862.9	916.3	946.9	931.6	1344.0	2924.6	9056.5	16219.2	*16898.8*	12973.8
77.5°	672.0	694.9	771.3	786.5	710.2	931.6	1534.9	5169.7	9522.3	*9300.8*	6246.4
80°	481.1	496.3	557.4	526.9	557.4	641.4	725.4	1855.6	3963.2	*3459.2*	1466.1
82.5°	168.0	190.9	381.8	366.5	366.5	290.2	328.4	809.4	1030.9	*901.1*	366.5
85°	30.5	38.2	106.9	152.7	137.5	106.9	137.5	252.0	206.2	*175.6*	106.9
87.5°	7.6	7.6	15.3	15.3	15.3	22.9	38.2	53.5	61.1	*61.1*	61.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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

Scaled Data Report

REPORT NUMBER: P1365748
CATALOG NUMBER: GSS-SB6B-730-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2	4444.2
2.5°	4490.1	4375.5	4154.1	3955.5	3795.2	3642.4	3520.3	3436.3	3375.2	3344.6	3344.6
5°	4589.3	4345.0	3940.2	3581.4	3306.4	3123.2	3008.6	2939.9	2932.3	2924.6	2924.6
7.5°	4742.0	4398.4	3795.2	3344.6	3107.9	3008.6	2978.1	2970.5	2970.5	2985.7	2985.7
10°	4948.2	4490.1	3734.1	3260.6	3130.8	3100.3	3085.0	3107.9	3115.5	3123.2	3130.8
12.5°	5192.6	4604.6	3703.5	3298.8	3222.5	3207.2	3214.8	3207.2	3230.1	3245.4	3237.7
15°	5429.3	4749.7	3734.1	3375.2	3314.1	3306.4	3283.5	3298.8	3291.2	3283.5	3283.5
17.5°	5696.6	4917.7	3764.6	3436.3	3375.2	3344.6	3314.1	3298.8	3268.3	3260.6	3253.0
20°	5986.7	5085.7	3818.1	3489.7	3390.4	3321.7	3268.3	3207.2	3161.4	3138.5	3138.5
22.5°	6284.5	5261.3	3863.9	3497.4	3359.9	3237.7	3146.1	3069.7	3001.0	2955.2	2932.3
25°	6590.0	5436.9	3879.2	3466.8	3268.3	3123.2	3001.0	2909.4	2817.7	2771.9	2756.6
27.5°	6903.1	5589.7	3856.3	3390.4	3146.1	2985.7	2848.3	2749.0	2672.6	2619.2	2619.2
30°	7208.5	5734.7	3795.2	3283.5	3016.3	2855.9	2718.5	2626.8	2558.1	2512.3	2504.7
32.5°	7559.8	5879.8	3718.8	3146.1	2886.5	2741.4	2603.9	2519.9	2458.8	2435.9	2443.6
35°	7911.0	6009.6	3596.6	3016.3	2749.0	2626.8	2497.0	2428.3	2405.4	2390.1	2382.5
37.5°	8254.7	6101.3	3436.3	2855.9	2634.5	2489.4	2428.3	2359.6	2298.5	2222.1	2214.5
40°	8605.9	6177.6	3230.1	2695.6	2504.7	2390.1	2359.6	2267.9	2122.8	1993.0	1993.0
42.5°	9010.6	6254.0	3008.6	2542.8	2344.3	2290.8	2283.2	2138.1	1924.3	1832.7	1825.0
45°	9491.7	6307.5	2810.1	2397.7	2176.3	2153.4	2214.5	2023.6	1847.9	1771.6	1779.2
47.5°	10049.2	6429.6	2634.5	2237.4	2015.9	2054.1	2061.8	1916.7	1779.2	1687.6	1687.6
50°	10767.0	6643.4	2451.2	2031.2	1901.4	1985.4	1916.7	1809.8	1664.7	1611.2	1603.6
52.5°	11721.5	6819.1	2298.5	1863.2	1825.0	1909.0	1817.4	1702.9	1580.7	1504.3	1496.7
55°	12446.9	6826.7	2153.4	1733.4	1771.6	1756.3	1718.1	1596.0	1504.3	1412.7	1412.7
57.5°	13225.8	6780.9	2023.6	1657.0	1718.1	1649.4	1618.9	1489.0	1397.4	1328.7	1313.4
60°	14065.8	6696.9	1886.1	1603.6	1672.3	1573.0	1504.3	1397.4	1321.1	1267.6	1267.6
62.5°	14210.9	6292.2	1718.1	1588.3	1618.9	1496.7	1389.8	1305.8	1229.4	1198.9	1198.9
65°	13943.6	5864.6	1527.2	1512.0	1534.9	1405.1	1282.9	1206.5	1145.4	1114.9	1107.2
67.5°	13951.2	5169.7	1374.5	1420.3	1382.1	1298.1	1176.0	1107.2	1030.9	1008.0	1008.0
68°	*13706.9*	*5001.7*	*1321.1*	*1405.1*	*1351.6*	*1267.6*	*1145.4*	*1069.1*	*1000.3*	*992.7*	*992.7*
70°	12561.5	4054.8	1130.1	1298.1	1260.0	1160.7	1008.0	969.8	924.0	916.3	924.0
72.5°	10973.1	2993.4	908.7	1092.0	1122.5	901.1	885.8	870.5	817.1	817.1	809.4
75°	8583.0	2183.9	687.3	862.9	832.3	824.7	756.0	748.3	702.5	694.9	679.6
77.5°	3894.4	1114.9	465.8	572.7	664.3	733.1	633.8	610.9	580.3	580.3	572.7
80°	1092.0	572.7	313.1	328.4	404.7	595.6	496.3	450.5	473.4	458.2	397.1
82.5°	336.0	236.7	190.9	206.2	190.9	343.6	366.5	282.5	252.0	267.3	282.5
85°	114.5	106.9	91.6	99.3	84.0	137.5	160.4	106.9	114.5	114.5	99.3
87.5°	61.1	61.1	45.8	38.2	30.5	22.9	15.3	15.3	7.6	7.6	7.6
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: SP1-2407-184-4

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

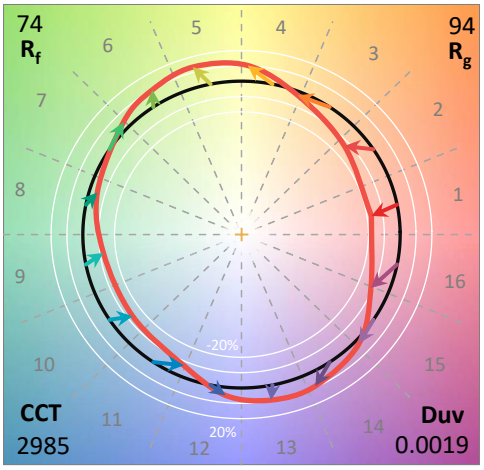
Test Information

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

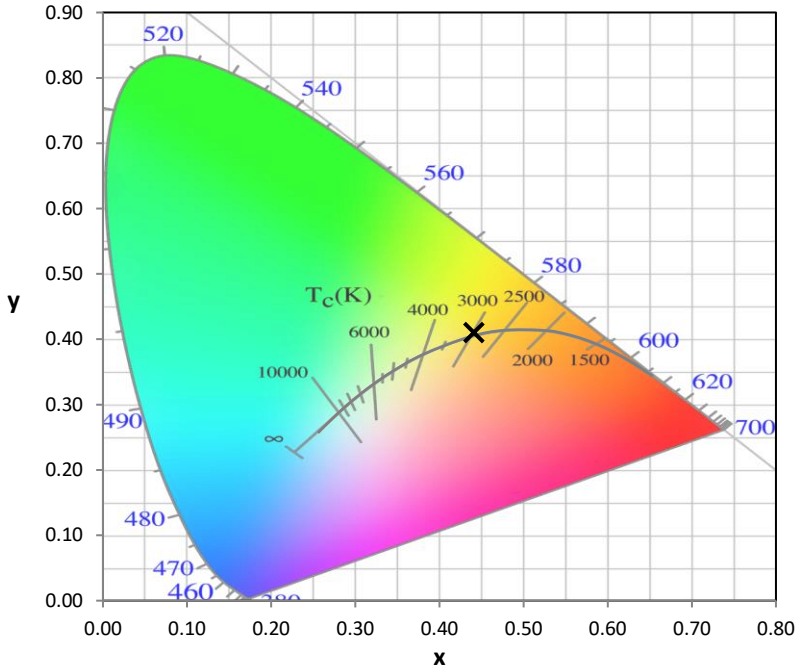
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

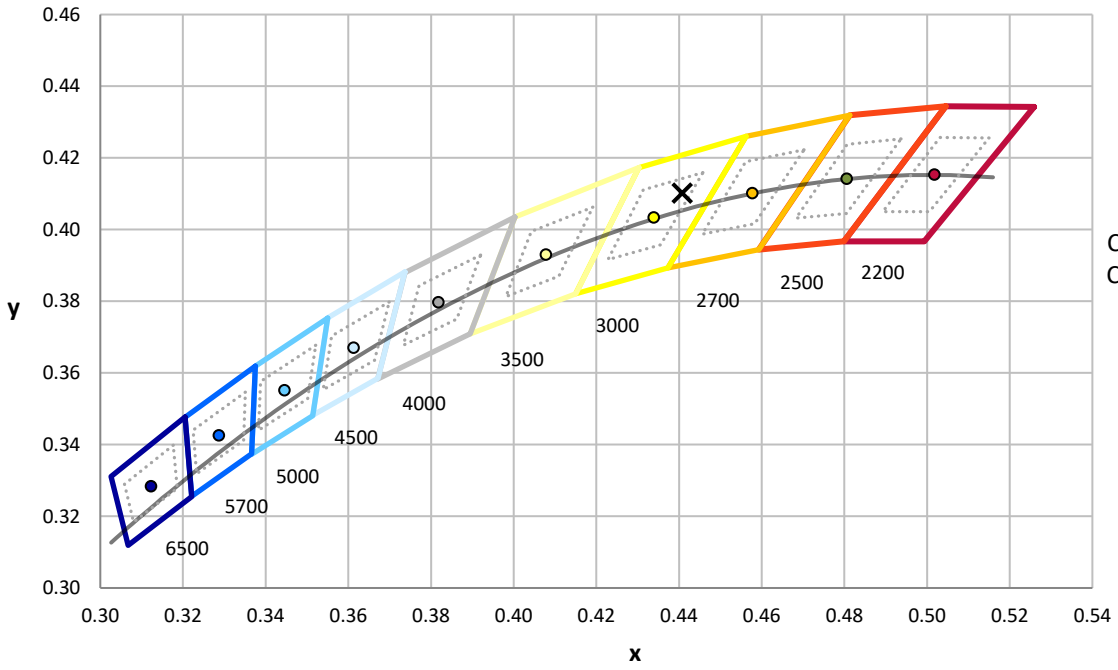
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

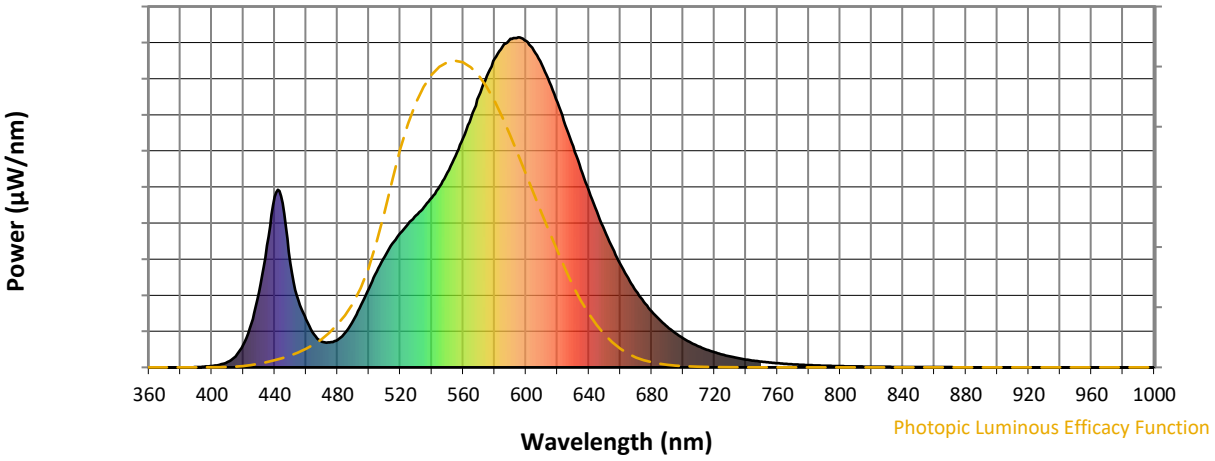


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

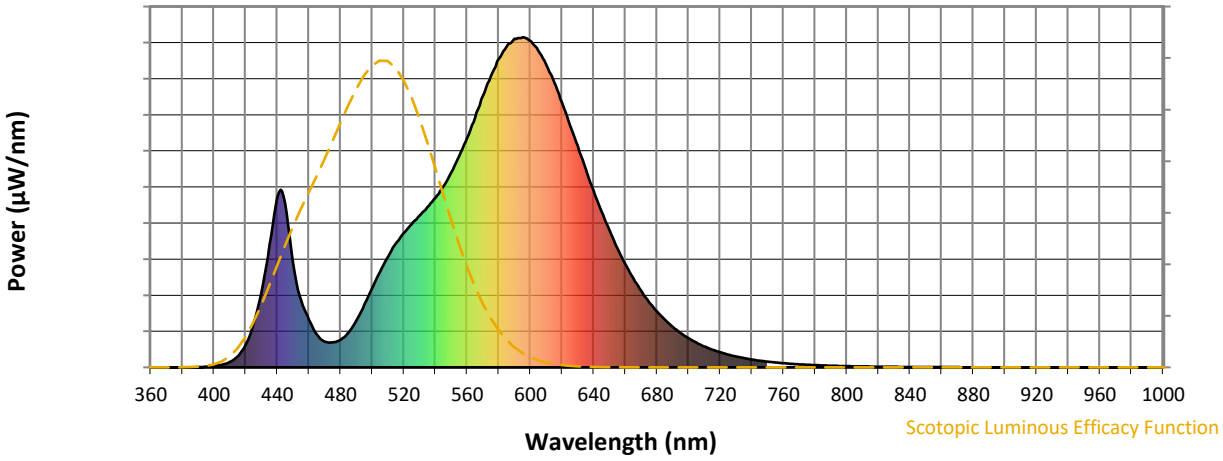


Photopic Lumens: NR

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

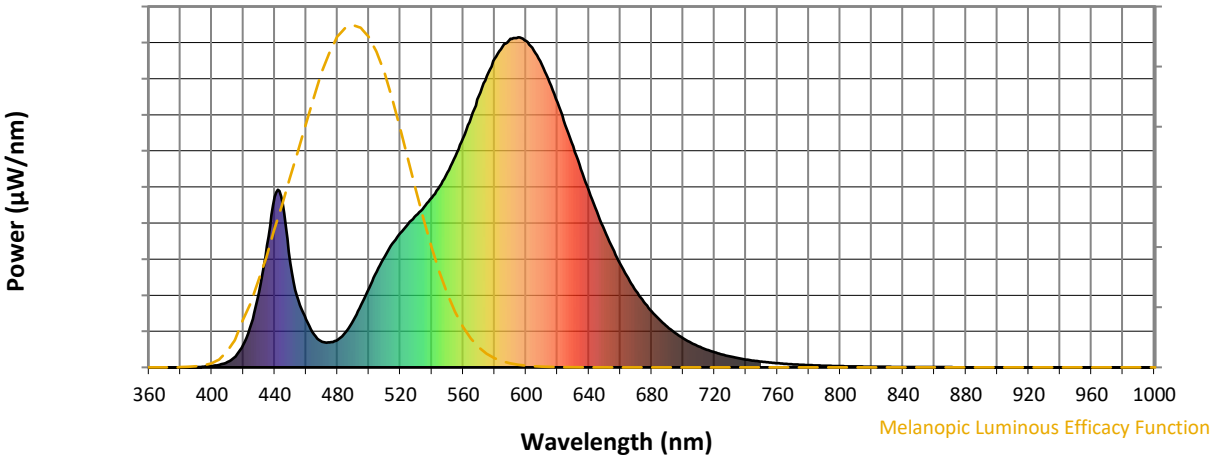


Scotopic Lumens: NR **S/P: 1.19**

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			

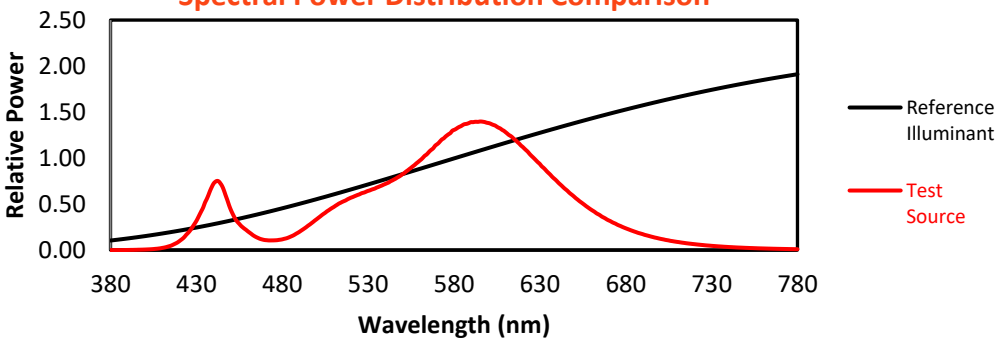
REPORT NUMBER: SP1-2407-184-4

TM-30-18

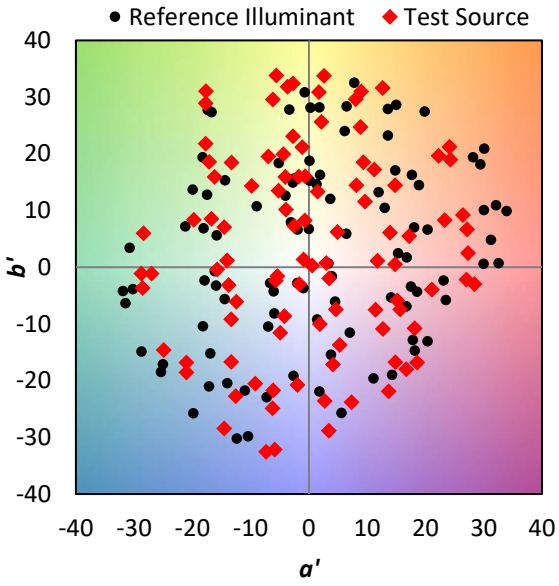
Summary

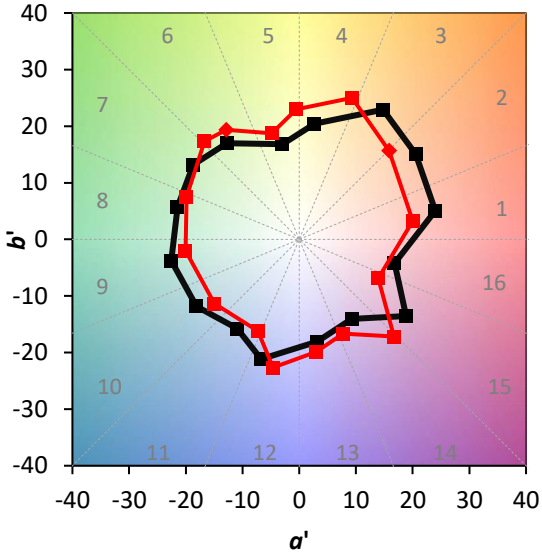
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

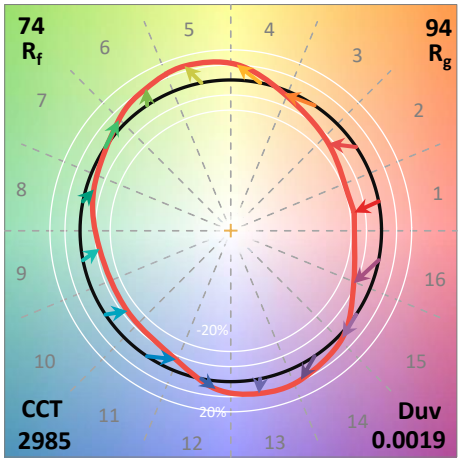
Spectral Power Distribution Comparison

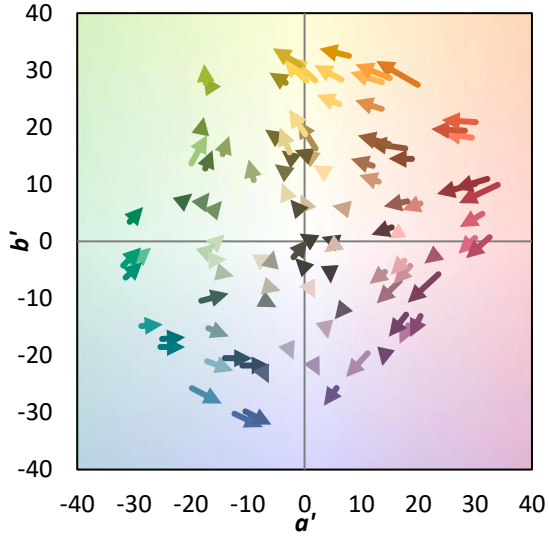


Color Vector Graphics







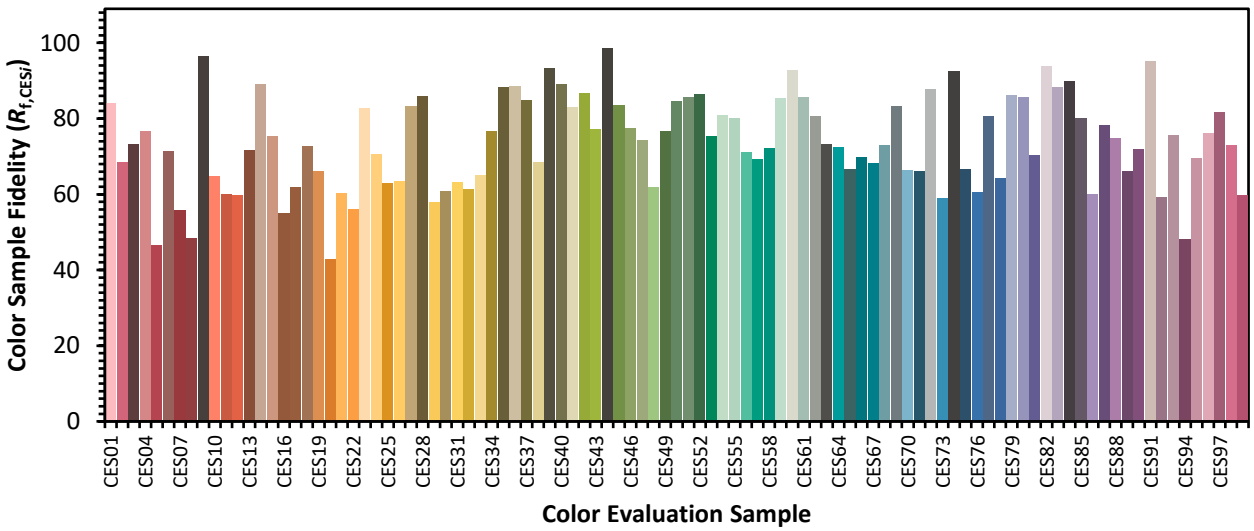


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

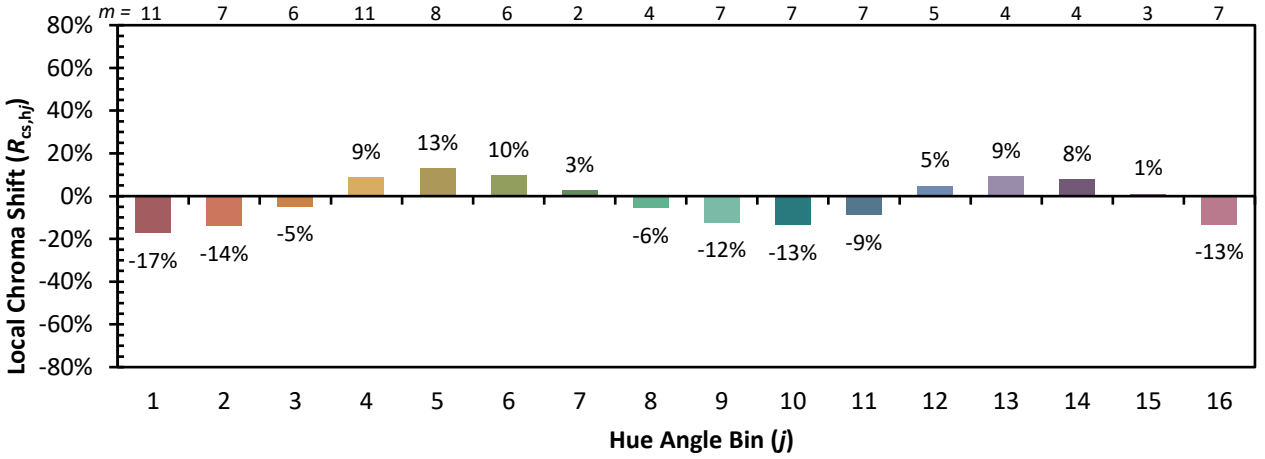
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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

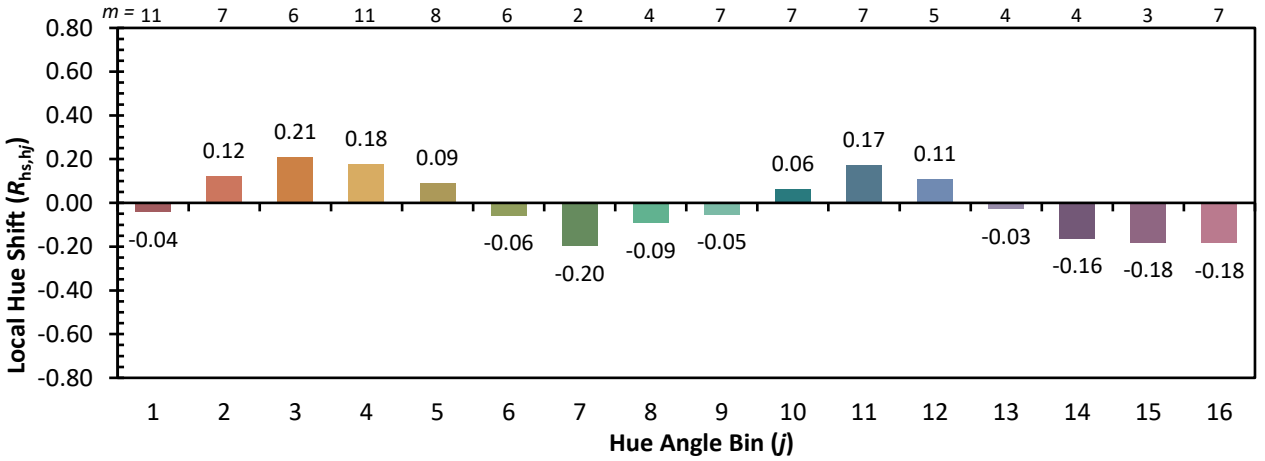


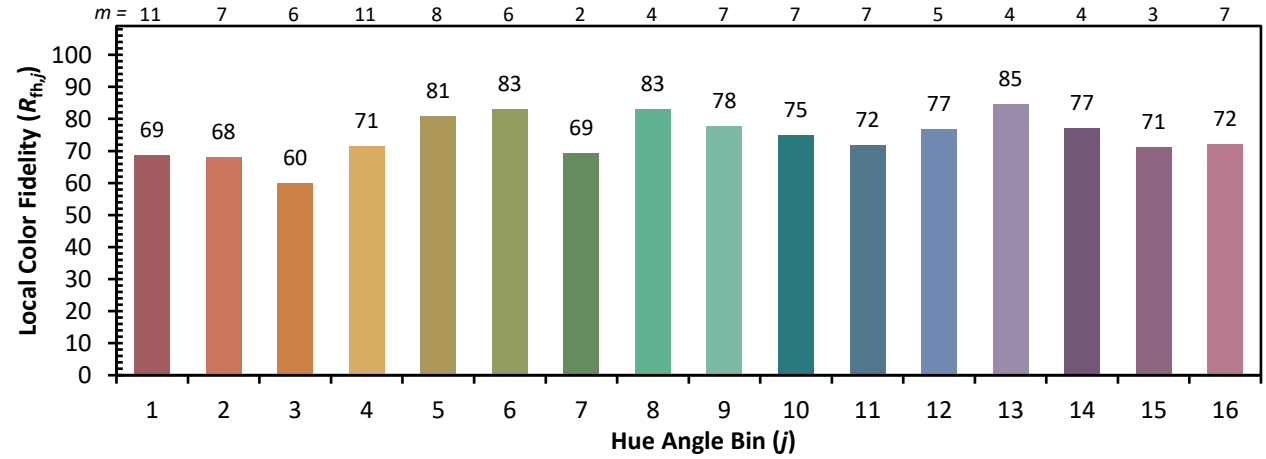
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



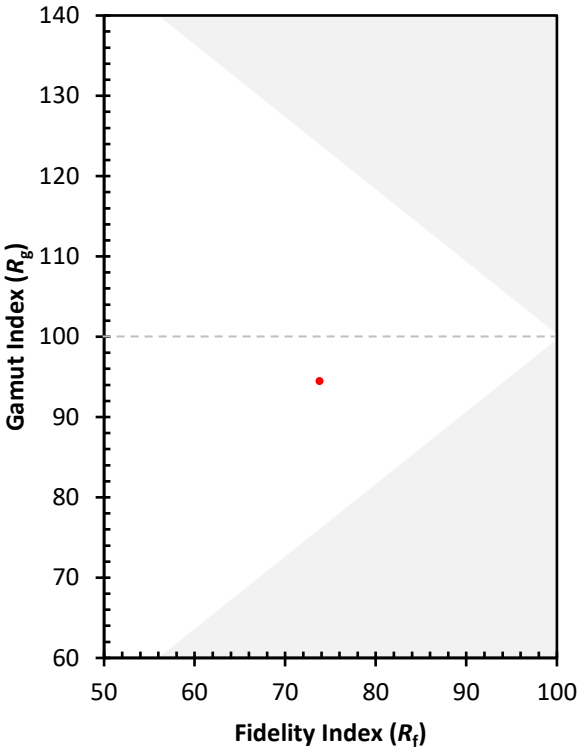


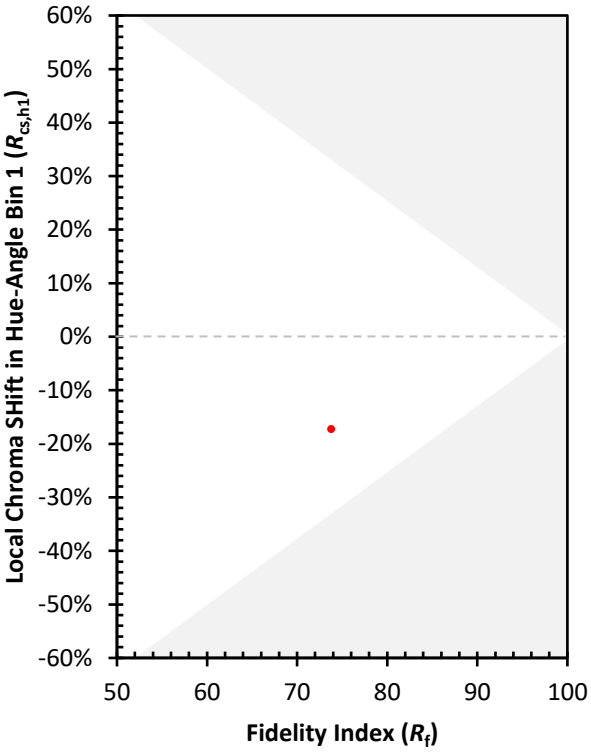


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)