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: P1366508

Luminaire Tested: **GSS-SB4B-730-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:	P1366508
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-730-U-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 3000K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21828.1 lumens
Efficiency:	N/A
Efficacy:	147.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G3

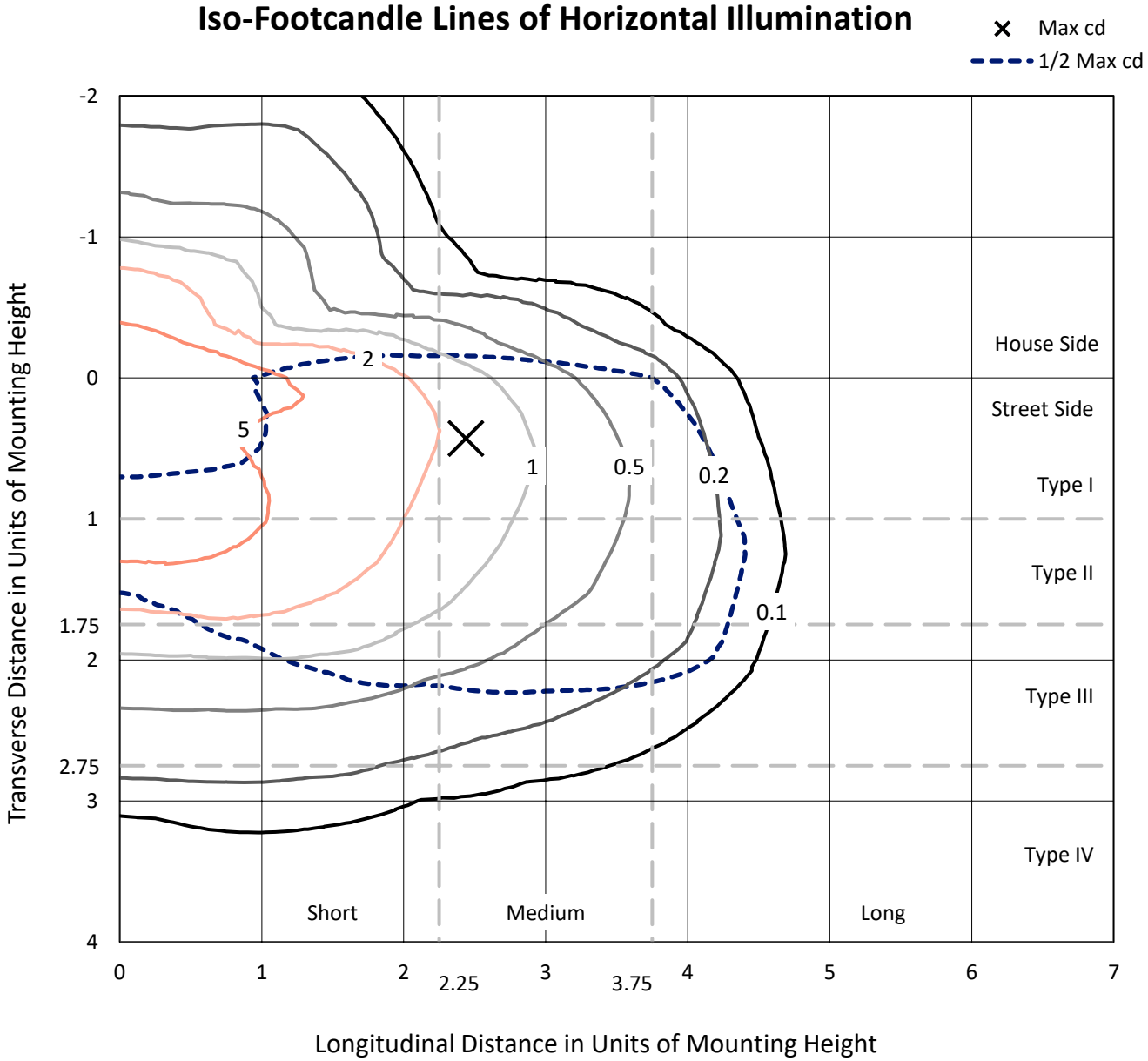
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366508
CATALOG NUMBER: GSS-SB4B-730-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



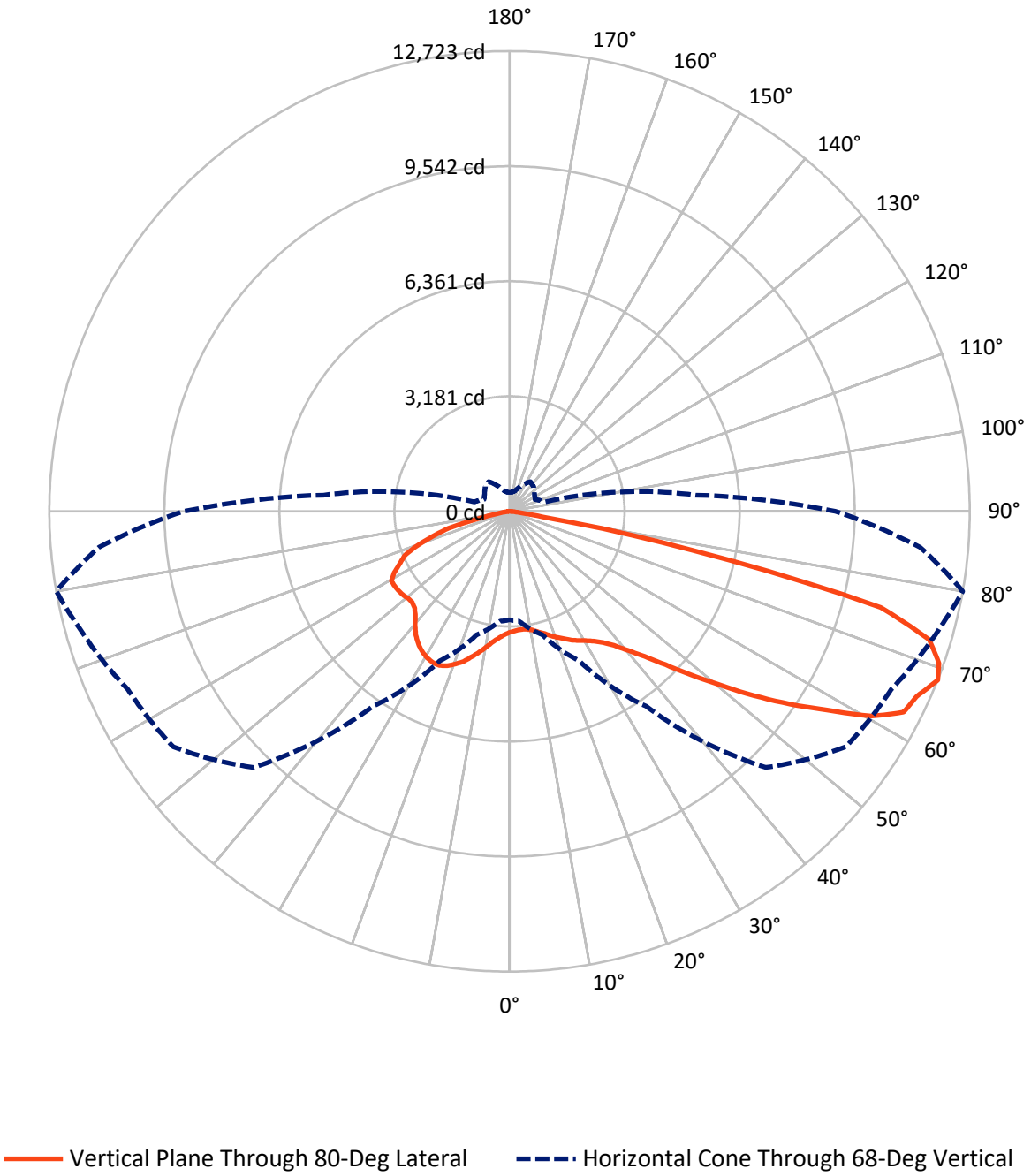
Based on 20 foot mounting height. Maximum calculated value = 9.4 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366508
CATALOG NUMBER: GSS-SB4B-730-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

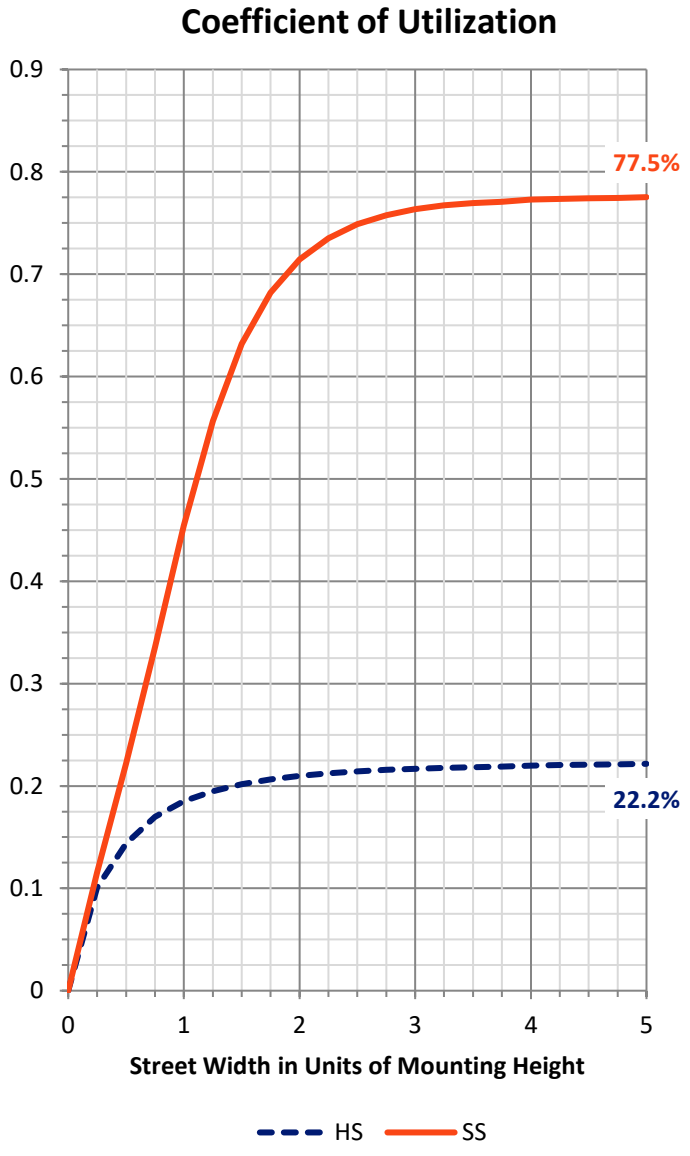
REPORT NUMBER: P1366508
CATALOG NUMBER: GSS-SB4B-730-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4877.7	0.0	4877.7
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	16950.4	0.0	16950.4
	% Fixture	77.7	0.0	77.7
Total	Lumens	21828.1	0.0	21828.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.8	1.5
10°-20°	921.5	4.2
20°-30°	1519.5	7.0
30°-40°	2332.8	10.7
40°-50°	3602.0	16.5
50°-60°	4975.2	22.8
60°-70°	5099.0	23.4
70°-80°	2887.9	13.2
80°-90°	167.4	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°	21828.1	100.0
0°-180°	21828.1	100.0



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

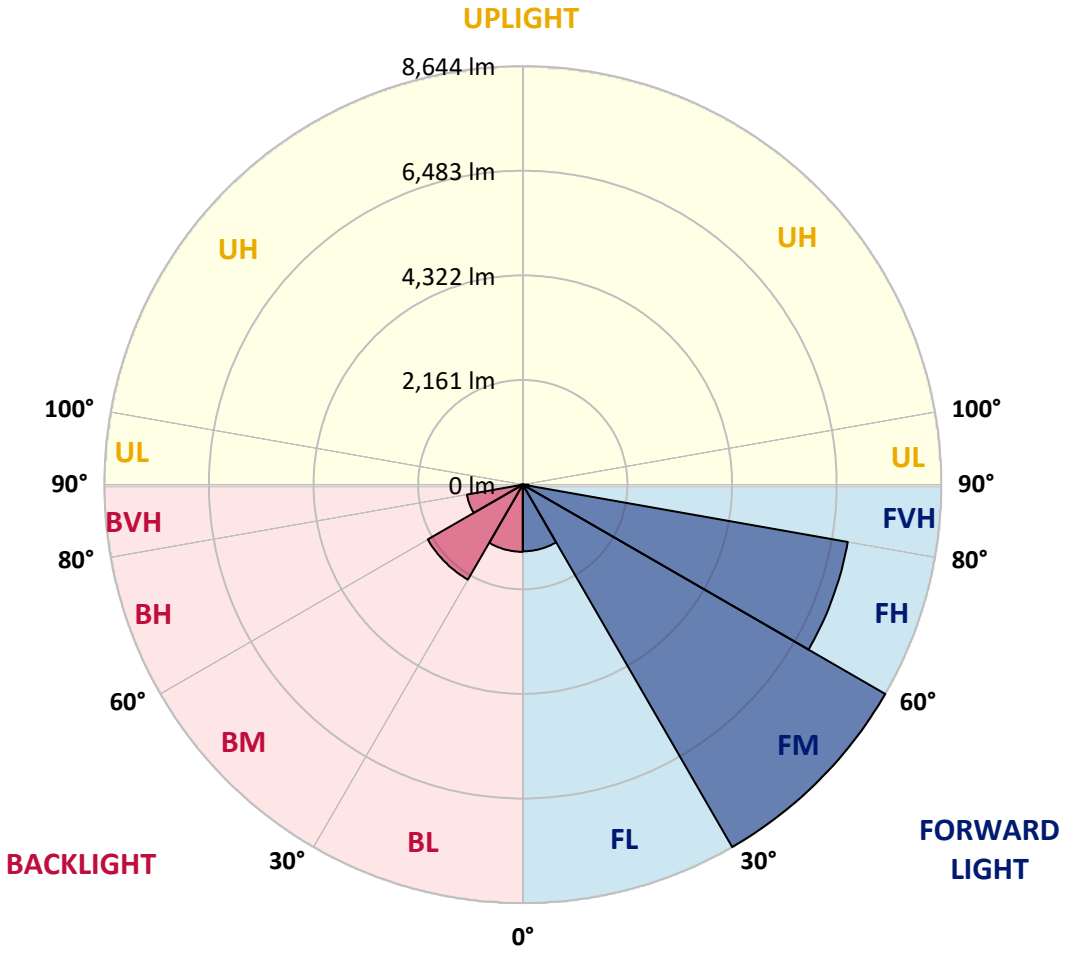
Scaled Data Report

REPORT NUMBER: P1366508
CATALOG NUMBER: GSS-SB4B-730-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1376.2	6.3			
FM	(30°-60°)	8644.1	39.6			
FH	(60°-80°)	6814.7	31.2			G3/7500
FVH	(80°-90°)	115.4	0.5			G2/225
BL	(0°-30°)	1387.6	6.4	B3/2500		
BM	(30°-60°)	2265.9	10.4	B2/2500		
BH	(60°-80°)	1172.3	5.4	B3/2500		G3/2500
BVH	(80°-90°)	52.0	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-G3
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P1366508
CATALOG NUMBER: GSS-SB4B-730-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	*3334.6*	3334.6
2.5°	3100.4	3090.3	3085.2	3095.3	3110.6	3141.2	3176.8	3202.3	3263.3	*3299.0*	3329.5
5°	2937.5	2932.4	2932.4	2957.9	2983.3	3019.0	3069.9	3115.7	3207.3	*3278.6*	3329.5
7.5°	2744.1	2739.0	2739.0	2795.0	2845.9	2927.3	3008.8	3085.2	3197.2	*3288.8*	3370.3
10°	2540.4	2540.4	2550.6	2621.9	2708.4	2825.5	2963.0	3080.1	3222.6	*3329.5*	3441.5
12.5°	2453.9	2448.8	2453.9	2520.1	2606.6	2764.4	2922.2	3100.4	3273.5	*3411.0*	3543.4
15°	2474.2	2464.1	2453.9	2509.9	2576.1	2733.9	2922.2	3141.2	3360.1	*3492.4*	3675.7
17.5°	2581.1	2576.1	2545.5	2560.8	2606.6	2749.2	2947.7	3202.3	3446.6	*3604.4*	3803.0
20°	2789.9	2774.6	2728.8	2703.3	2708.4	2800.1	2993.5	3283.7	3528.1	*3716.4*	3940.5
22.5°	3136.1	3125.9	3049.5	2947.7	2881.5	2907.0	3075.0	3375.3	3640.1	*3818.3*	4098.3
25°	3594.3	3568.8	3451.7	3288.8	3136.1	3080.1	3176.8	3497.5	3747.0	*3940.5*	4245.9
27.5°	4083.0	4088.1	3981.2	3736.8	3472.1	3283.7	3309.2	3619.7	3869.2	*4042.3*	4373.2
30°	4653.2	4627.7	4510.6	4256.1	3869.2	3553.5	3446.6	3736.8	3981.2	*4144.1*	4525.9
32.5°	5406.7	5411.8	5203.0	4811.0	4327.4	3884.5	3624.8	3859.0	4108.5	*4276.5*	4714.3
35°	6318.0	6297.6	6048.1	5574.7	4917.9	4266.3	3853.9	4016.8	4261.2	*4449.6*	4933.2
37.5°	7132.5	7076.5	6928.9	6475.8	5661.2	4785.6	4164.5	4225.6	4500.5	*4699.0*	5259.0
40°	7860.5	7835.1	7809.6	7463.4	6511.4	5432.1	4571.7	4546.3	4795.7	*5055.4*	5661.2
42.5°	8461.3	8456.2	8466.4	8390.0	7550.0	6241.6	5141.9	4963.7	5213.2	*5477.9*	6134.7
45°	8899.1	8888.9	8995.8	9153.7	8563.1	7208.9	5814.0	5483.0	5742.7	*6043.0*	6735.4
47.5°	9367.5	9372.6	9520.2	9785.0	9550.8	8171.1	6577.6	6129.6	6363.8	*6745.6*	7453.3
50°	9550.8	9550.8	9902.0	10278.8	10345.0	9194.4	7488.9	6898.3	7137.6	*7544.9*	8176.2
52.5°	9153.7	9230.0	9846.0	10553.7	10864.2	10141.3	8451.1	7733.3	7936.9	*8461.3*	8894.0
55°	6934.0	7203.8	9418.4	10421.3	11057.7	10884.6	9408.2	8659.8	8883.8	*9403.1*	9632.2
57.5°	5987.0	6058.3	7387.1	9958.0	10813.3	11286.8	10294.1	9647.5	9851.1	*10360.2*	10401.0
60°	5264.1	5360.8	6175.4	9174.0	10329.7	11246.1	11032.3	10558.8	10843.9	*11490.4*	11179.9
62.5°	4266.3	4368.1	5055.4	7331.1	9693.3	10961.0	11607.5	11419.2	11689.0	*12228.6*	11500.6
65°	3757.2	3792.8	4286.6	5620.5	8522.4	10716.6	11902.8	11785.7	11902.8	*12355.9*	11337.7
67.5°	3131.0	3202.3	3680.8	4770.3	6883.1	10197.3	11465.0	11633.0	12213.4	*12661.4*	11459.9
68°	*2998.6*	*3049.5*	*3538.3*	*4561.6*	*6577.6*	*10009.0*	*11347.9*	*11643.2*	*12335.6*	*12722.5*	*11393.7*
70°	2448.8	2520.1	2952.8	3823.4	5513.6	8013.3	10889.7	11841.7	12422.1	*12595.2*	11032.3
72.5°	1211.7	1338.9	2036.4	2698.2	3981.2	5793.6	9545.7	11587.2	12243.9	*12137.0*	10268.6
75°	427.6	458.2	952.0	1461.1	1929.5	3752.1	6750.7	10563.9	11225.7	*10599.5*	8608.9
77.5°	305.5	330.9	539.6	738.2	794.2	1883.7	4327.4	6984.9	6638.7	*5141.9*	3920.1
80°	239.3	259.6	402.2	412.4	397.1	661.8	1476.4	2117.9	1491.7	*936.7*	677.1
82.5°	147.6	178.2	300.4	249.5	183.3	208.7	346.2	570.2	407.3	*259.6*	208.7
85°	56.0	71.3	137.5	96.7	61.1	81.5	117.1	152.7	117.1	*86.5*	76.4
87.5°	5.1	5.1	10.2	10.2	15.3	20.4	30.5	40.7	45.8	*45.8*	45.8
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: P1366508
CATALOG NUMBER: GSS-SB4B-730-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6	3334.6
2.5°	3349.9	3365.2	3431.4	3467.0	3533.2	3584.1	3614.6	3629.9	3645.2	3655.4	3650.3
5°	3385.5	3431.4	3558.6	3655.4	3731.7	3782.6	3808.1	3828.5	3833.5	3843.7	3838.6
7.5°	3451.7	3523.0	3716.4	3828.5	3894.6	3915.0	3894.6	3884.5	3869.2	3853.9	3853.9
10°	3558.6	3670.6	3899.7	3981.2	3986.3	3955.7	3889.5	3813.2	3757.2	3736.8	3726.6
12.5°	3696.1	3853.9	4088.1	4108.5	4042.3	3899.7	3711.4	3553.5	3451.7	3375.3	3370.3
15°	3864.1	4047.4	4251.0	4189.9	4001.5	3701.2	3390.6	3166.6	3049.5	2983.3	2952.8
17.5°	4037.2	4271.4	4398.6	4230.6	3833.5	3344.8	2973.2	2795.0	2688.1	2652.4	2627.0
20°	4230.6	4454.6	4500.5	4169.5	3528.1	2947.7	2611.7	2499.7	2499.7	2489.5	2479.3
22.5°	4429.2	4643.0	4556.5	4001.5	3125.9	2555.7	2352.1	2392.8	2464.1	2484.4	2484.4
25°	4612.5	4805.9	4556.5	3701.2	2647.3	2235.0	2250.2	2347.0	2438.6	2489.5	2489.5
27.5°	4790.7	4907.7	4464.8	3278.6	2214.6	2072.0	2163.7	2280.8	2428.4	2504.8	2509.9
30°	4968.8	4984.1	4301.9	2739.0	1904.0	1955.0	2061.9	2214.6	2377.5	2474.2	2484.4
32.5°	5157.2	5055.4	4072.8	2204.4	1761.5	1843.0	1970.2	2092.4	2219.7	2291.0	2296.1
35°	5371.0	5121.6	3777.5	1792.0	1669.9	1766.6	1863.3	1904.0	1939.7	1980.4	2005.9
37.5°	5605.2	5208.1	3390.6	1583.3	1583.3	1695.3	1751.3	1669.9	1659.7	1654.6	1639.3
40°	5864.9	5299.8	2907.0	1476.4	1517.1	1618.9	1573.1	1476.4	1405.1	1328.8	1333.8
42.5°	6190.7	5416.9	2357.1	1425.5	1471.3	1557.9	1430.6	1313.5	1120.0	1069.1	1079.3
45°	6562.3	5564.5	1919.3	1379.7	1435.7	1501.9	1333.8	1109.8	987.7	1038.6	1074.2
47.5°	6954.3	5757.9	1603.7	1344.0	1420.4	1435.7	1272.8	1018.2	936.7	1048.8	1094.6
50°	7417.6	5936.1	1456.0	1308.4	1415.3	1415.3	1165.8	1002.9	896.0	992.7	1038.6
52.5°	7886.0	6109.2	1379.7	1267.7	1400.0	1410.2	1140.4	982.6	840.0	870.6	890.9
55°	8344.2	6206.0	1338.9	1211.7	1384.8	1384.8	1150.6	946.9	784.0	784.0	794.2
57.5°	8807.5	6272.1	1303.3	1145.5	1333.8	1308.4	1150.6	921.5	763.7	743.3	753.5
60°	9321.7	6312.9	1267.7	1069.1	1262.6	1216.8	1145.5	901.1	738.2	707.7	712.7
62.5°	9403.1	6027.8	1201.5	987.7	1165.8	1140.4	1125.1	875.7	697.5	636.4	636.4
65°	9112.9	5600.1	1120.0	885.8	1038.6	1064.0	1084.4	845.1	656.7	585.5	590.6
67.5°	9082.4	5279.4	1033.5	794.2	870.6	967.3	1033.5	794.2	595.6	534.6	529.5
68°	*9011.1*	*5162.3*	*1008.0*	*773.8*	*840.0*	*946.9*	*1002.9*	*773.8*	*585.5*	*524.4*	*524.4*
70°	8552.9	4653.2	855.3	682.2	743.3	773.8	880.7	687.3	524.4	473.5	478.6
72.5°	7662.0	3792.8	656.7	554.9	595.6	595.6	763.7	636.4	478.6	432.7	432.7
75°	6389.2	2998.6	498.9	437.8	417.5	483.6	621.1	575.3	422.6	386.9	371.6
77.5°	2901.9	1293.1	325.8	305.5	310.6	376.7	493.8	493.8	402.2	315.6	280.0
80°	641.5	402.2	198.5	183.3	183.3	239.3	346.2	356.4	290.2	218.9	188.4
82.5°	213.8	162.9	122.2	112.0	106.9	127.3	213.8	234.2	173.1	127.3	127.3
85°	81.5	76.4	66.2	61.1	50.9	50.9	66.2	106.9	91.6	61.1	61.1
87.5°	40.7	40.7	35.6	25.5	20.4	15.3	10.2	10.2	10.2	15.3	10.2
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: SP1-2407-184-4

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

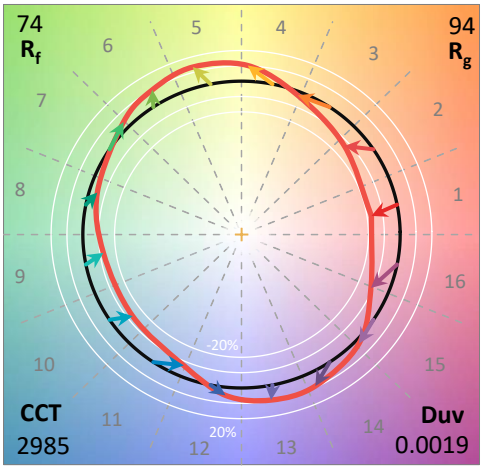
Test Information

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

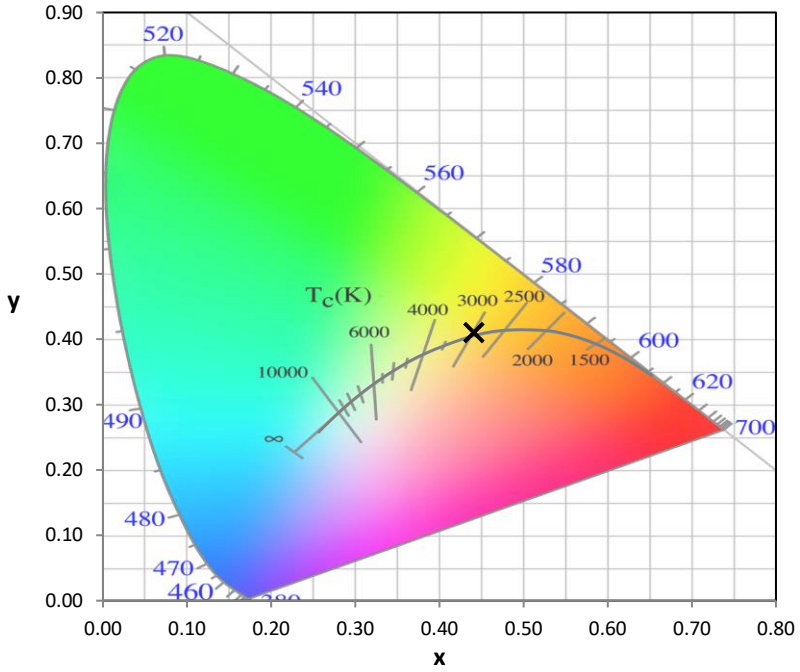
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

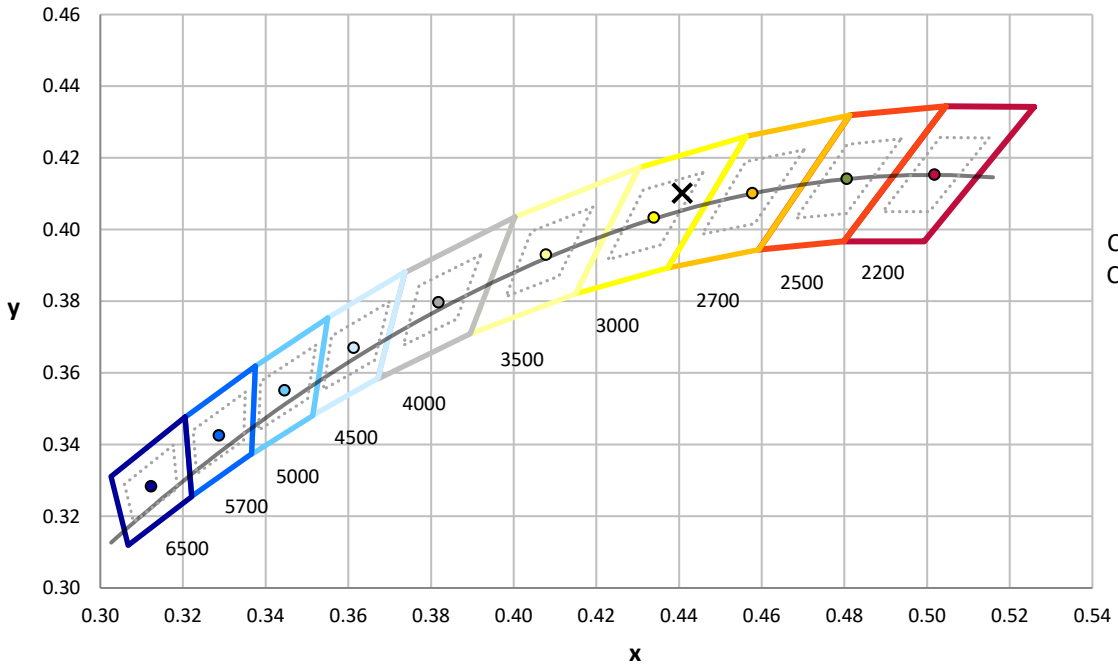
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

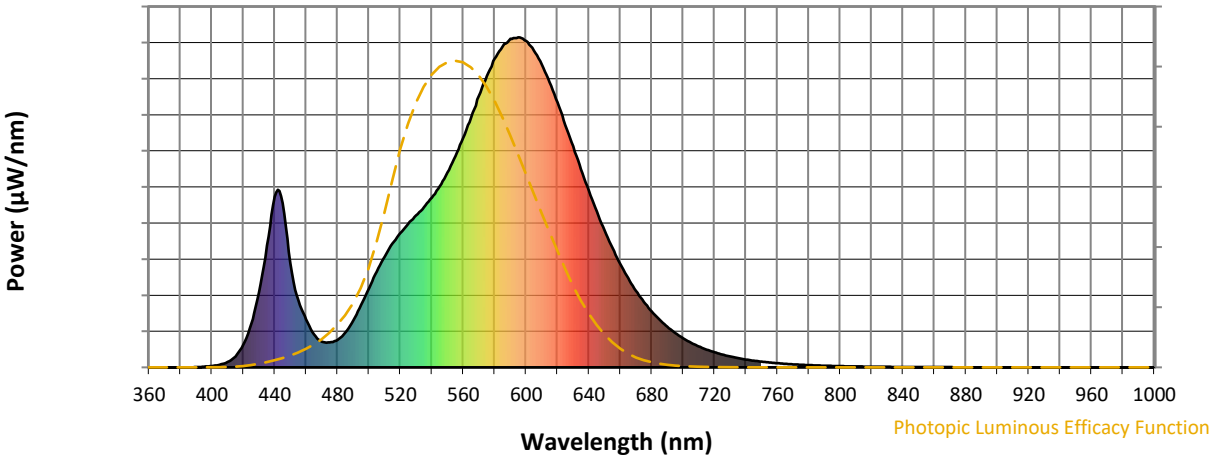


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

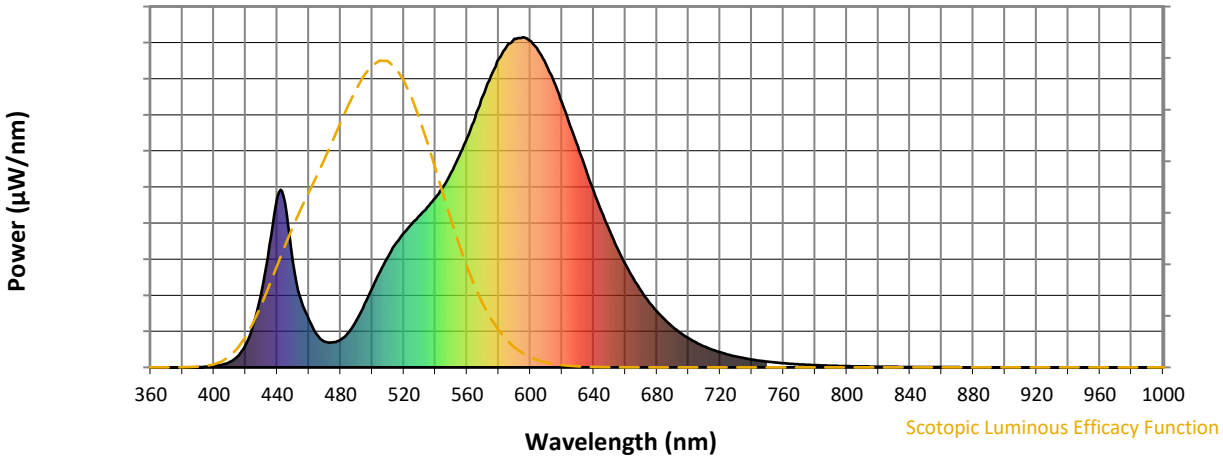


Photopic Lumens: NR

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

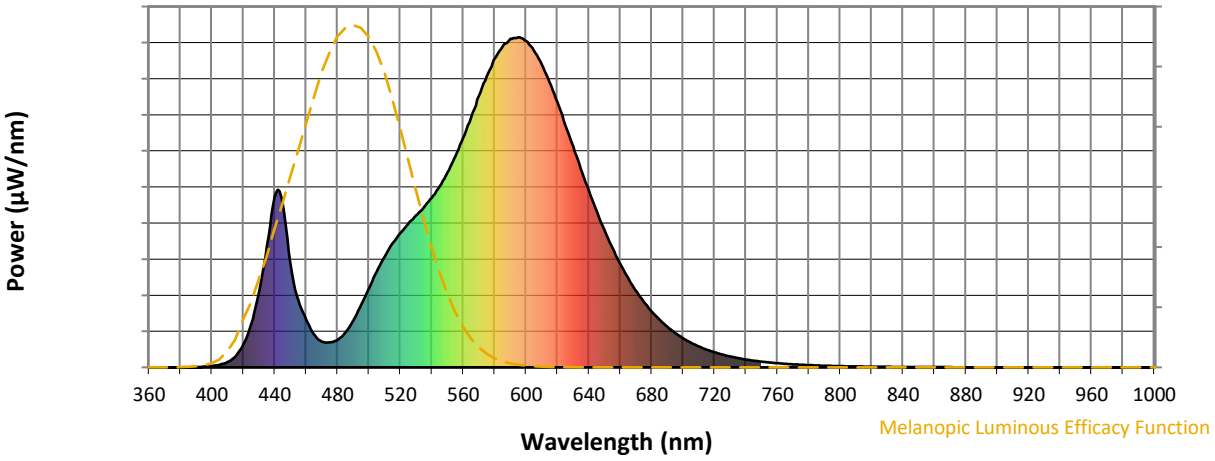


Scotopic Lumens: NR **S/P: 1.19**

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			

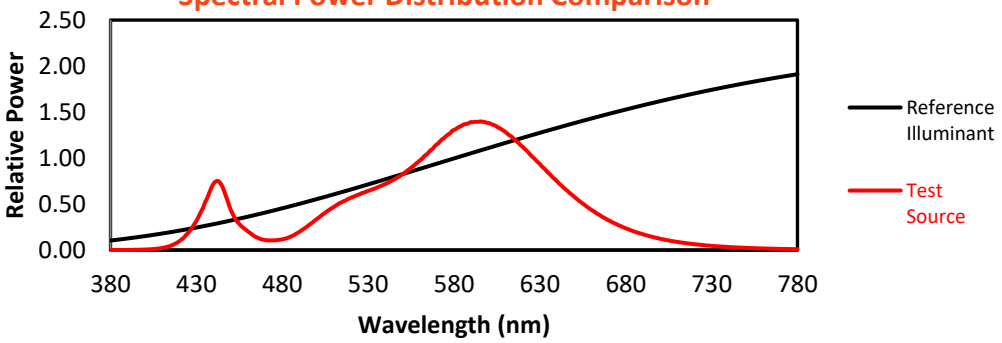
REPORT NUMBER: SP1-2407-184-4

TM-30-18

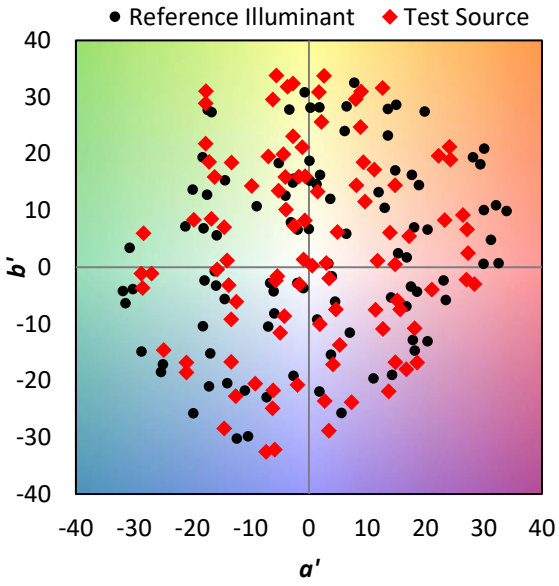
Summary

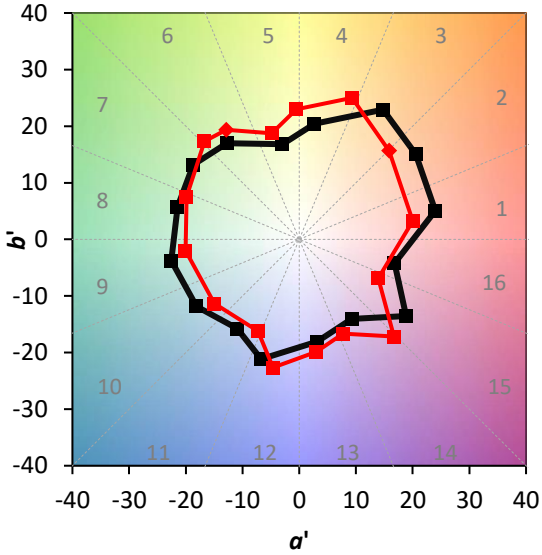
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

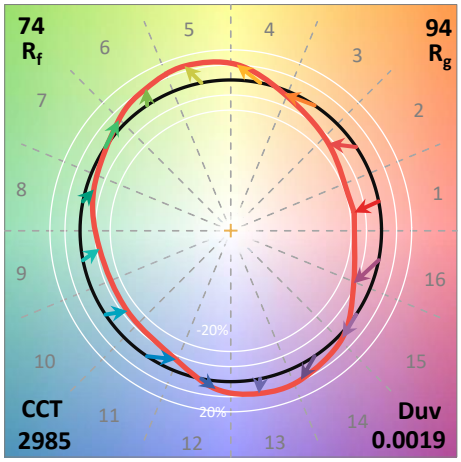
Spectral Power Distribution Comparison

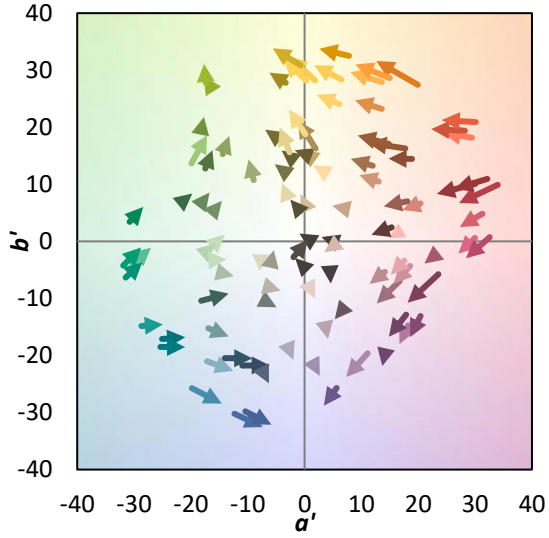


Color Vector Graphics







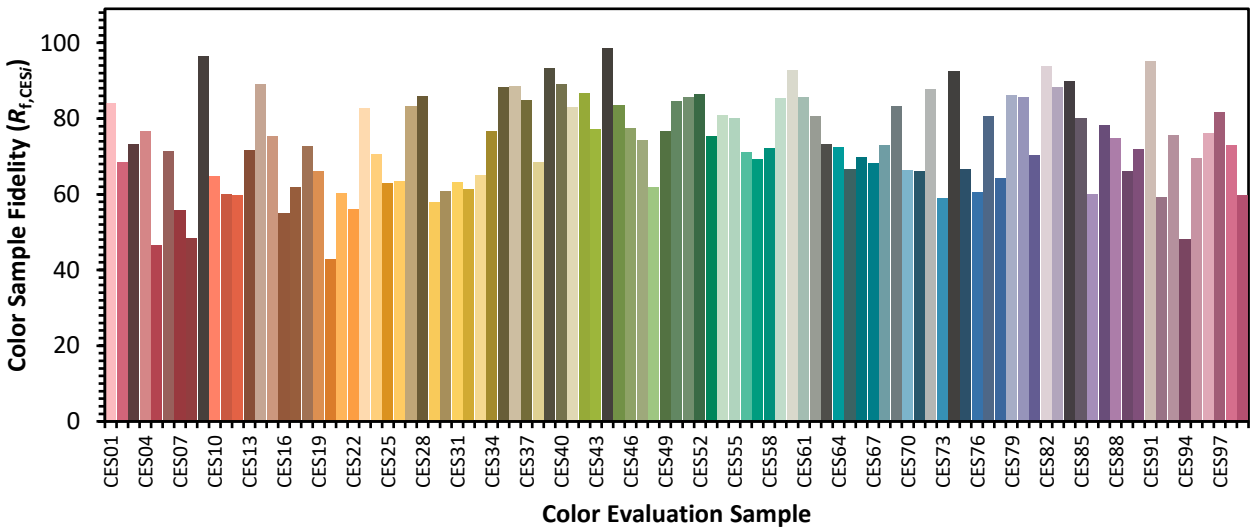


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

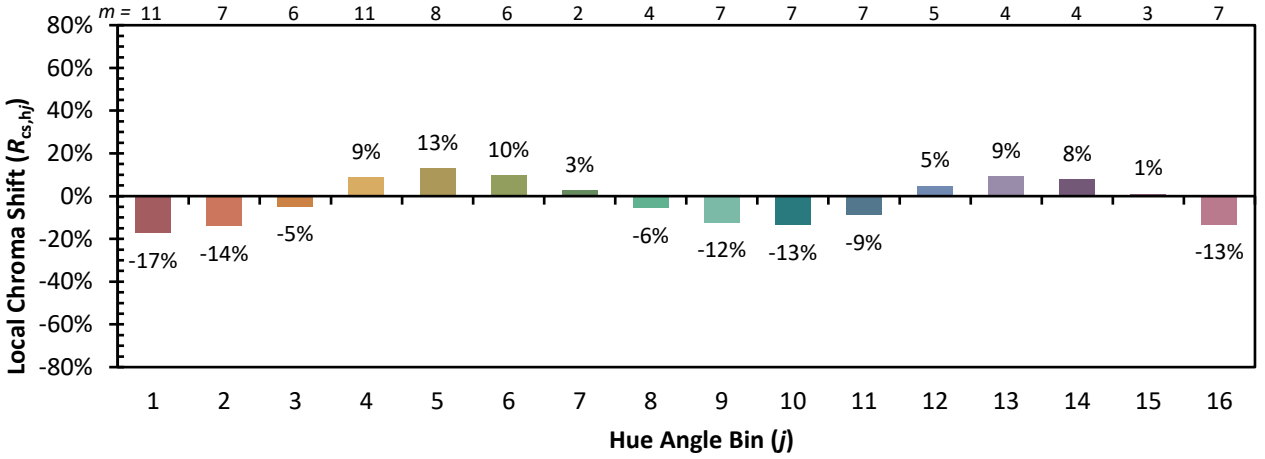
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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

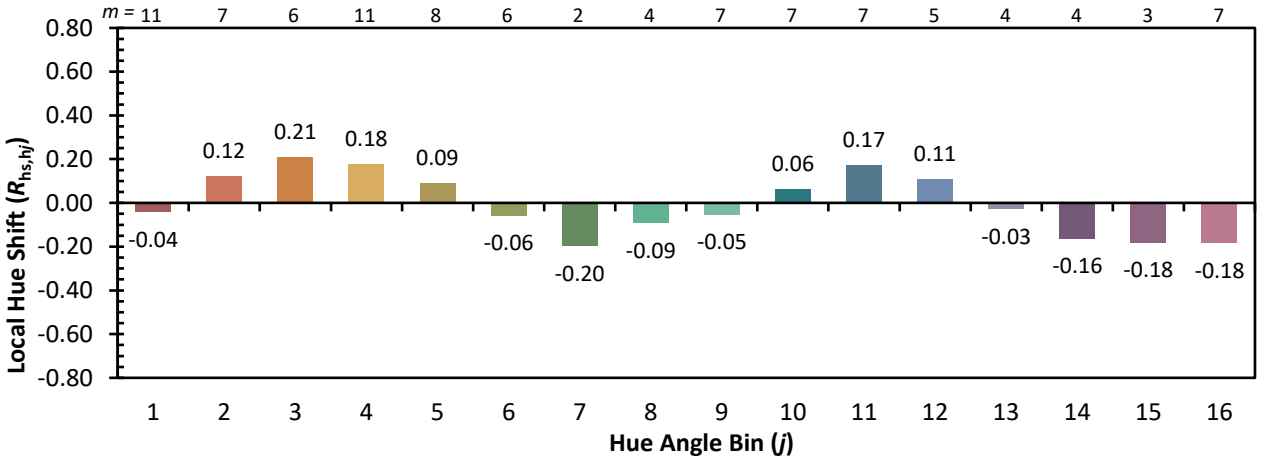


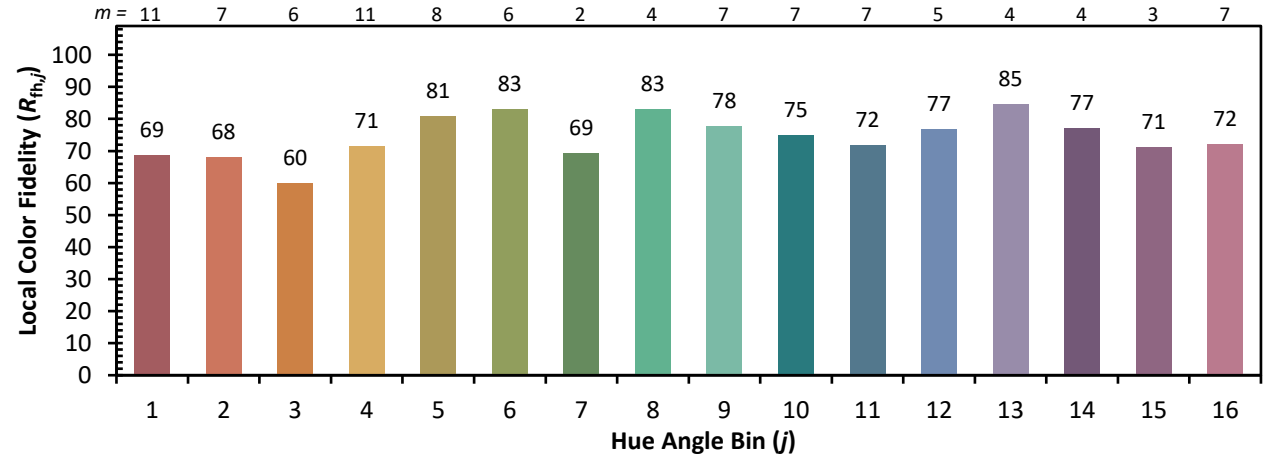
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



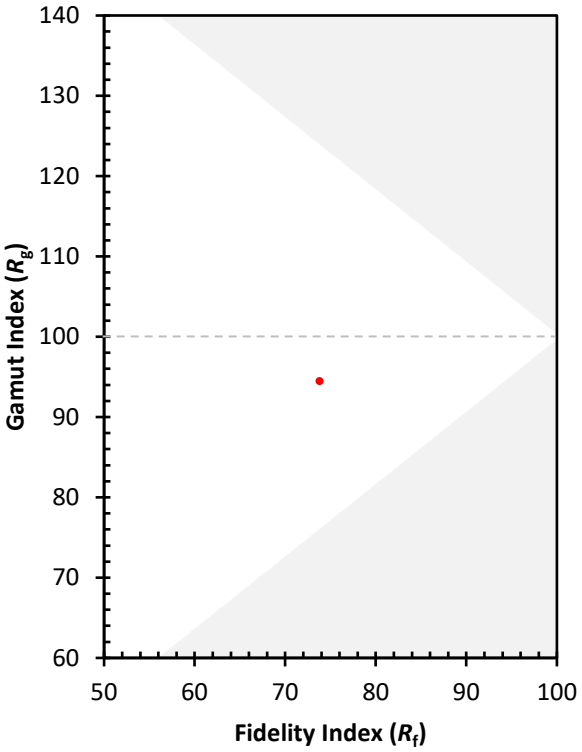


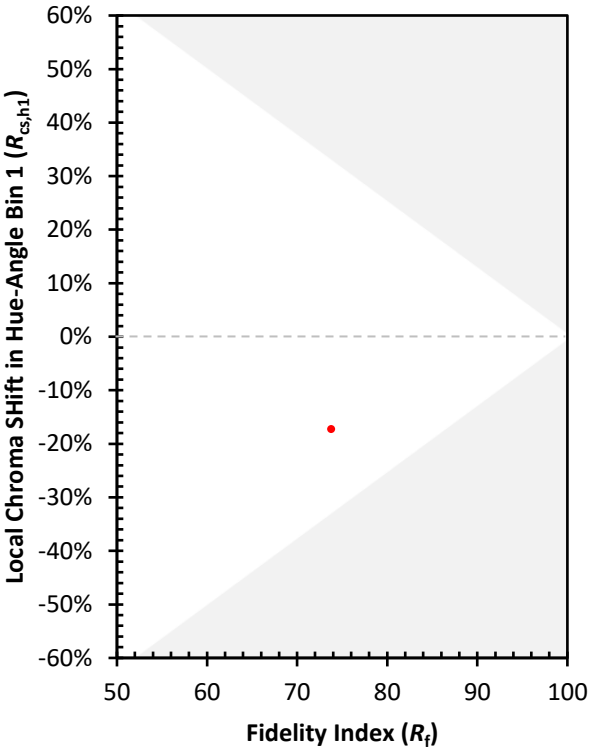


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)