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: P1366443

Luminaire Tested: **GSS-SB6A-740-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:	P1366443
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-740-U-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 4000K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(156) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27499.8 lumens
Efficiency:	N/A
Efficacy:	161.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

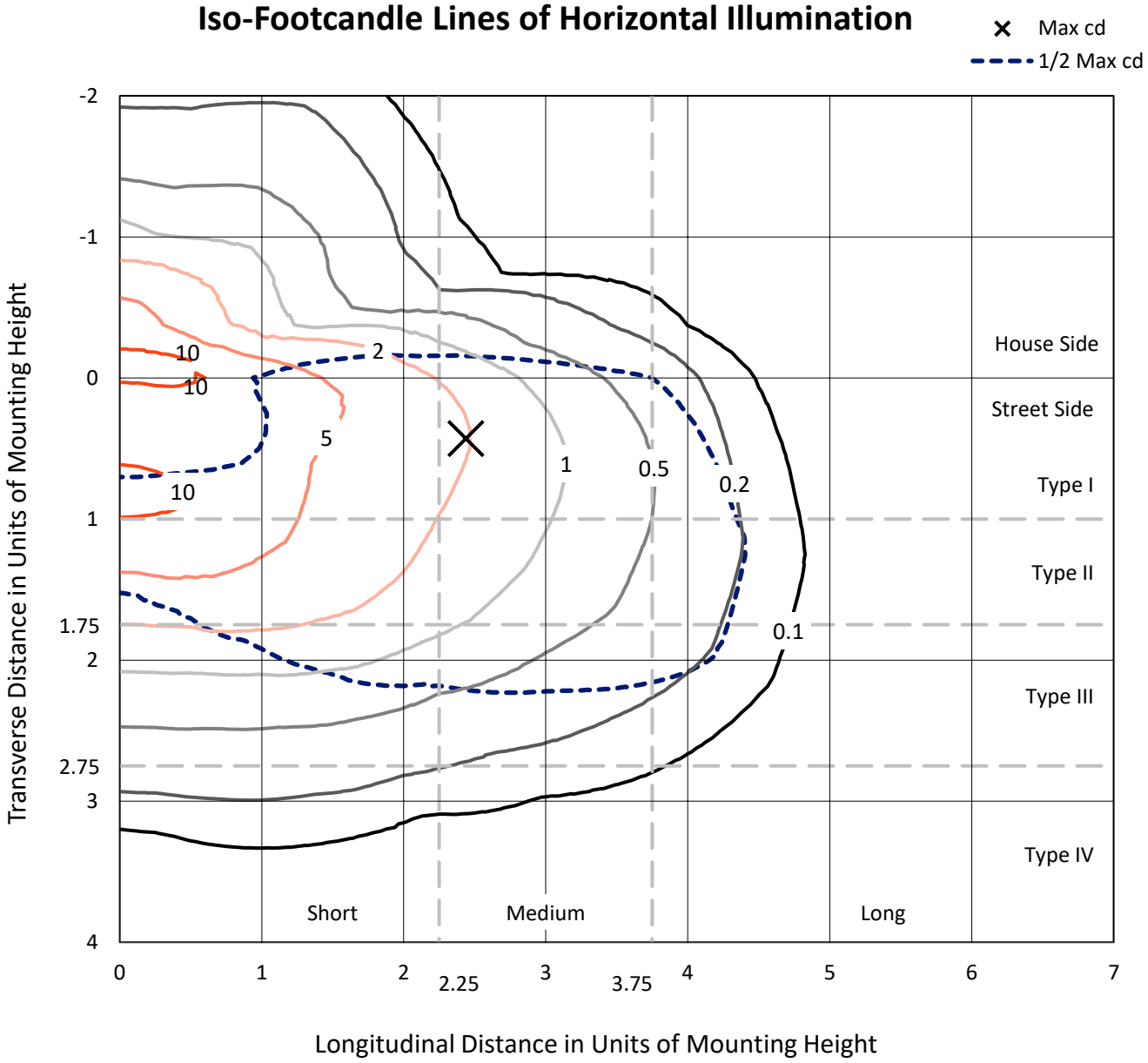
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366443
CATALOG NUMBER: GSS-SB6A-740-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



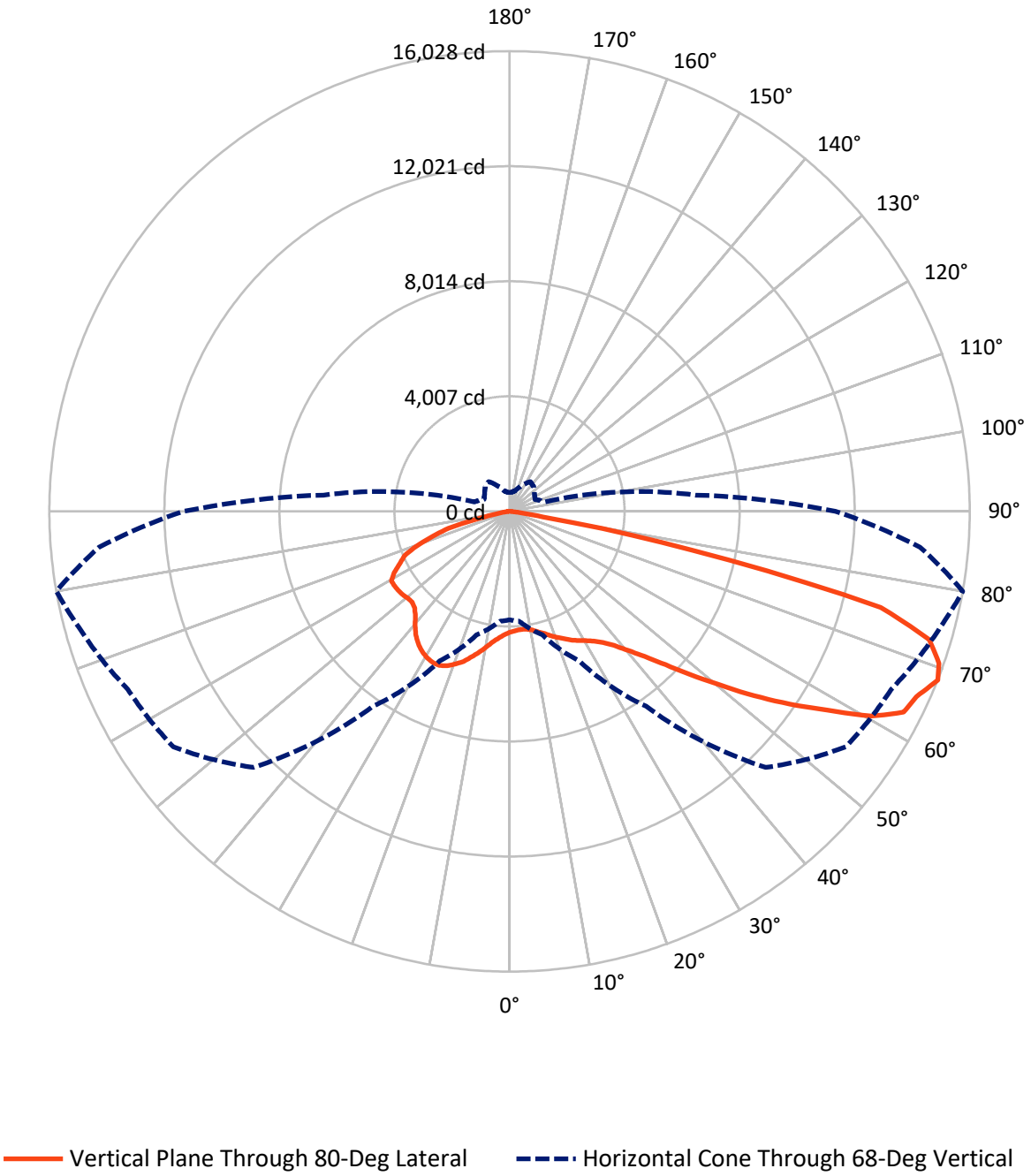
Based on 20 foot mounting height. Maximum calculated value = 11.9 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366443
CATALOG NUMBER: GSS-SB6A-740-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

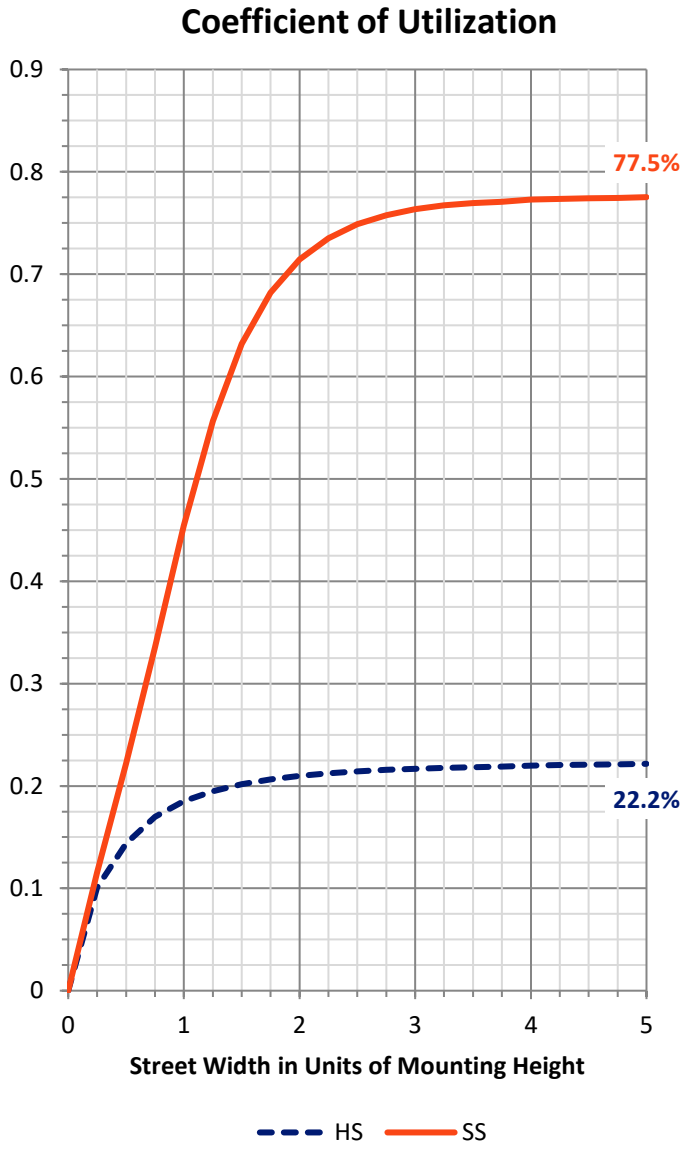
REPORT NUMBER: P1366443
CATALOG NUMBER: GSS-SB6A-740-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6145.1	0.0	6145.1
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	21354.7	0.0	21354.7
	% Fixture	77.7	0.0	77.7
Total	Lumens	27499.8	0.0	27499.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.6	1.5
10°-20°	1161.0	4.2
20°-30°	1914.3	7.0
30°-40°	2939.0	10.7
40°-50°	4537.9	16.5
50°-60°	6267.9	22.8
60°-70°	6424.0	23.4
70°-80°	3638.3	13.2
80°-90°	210.9	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°	27499.8	100.0
0°-180°	27499.8	100.0



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

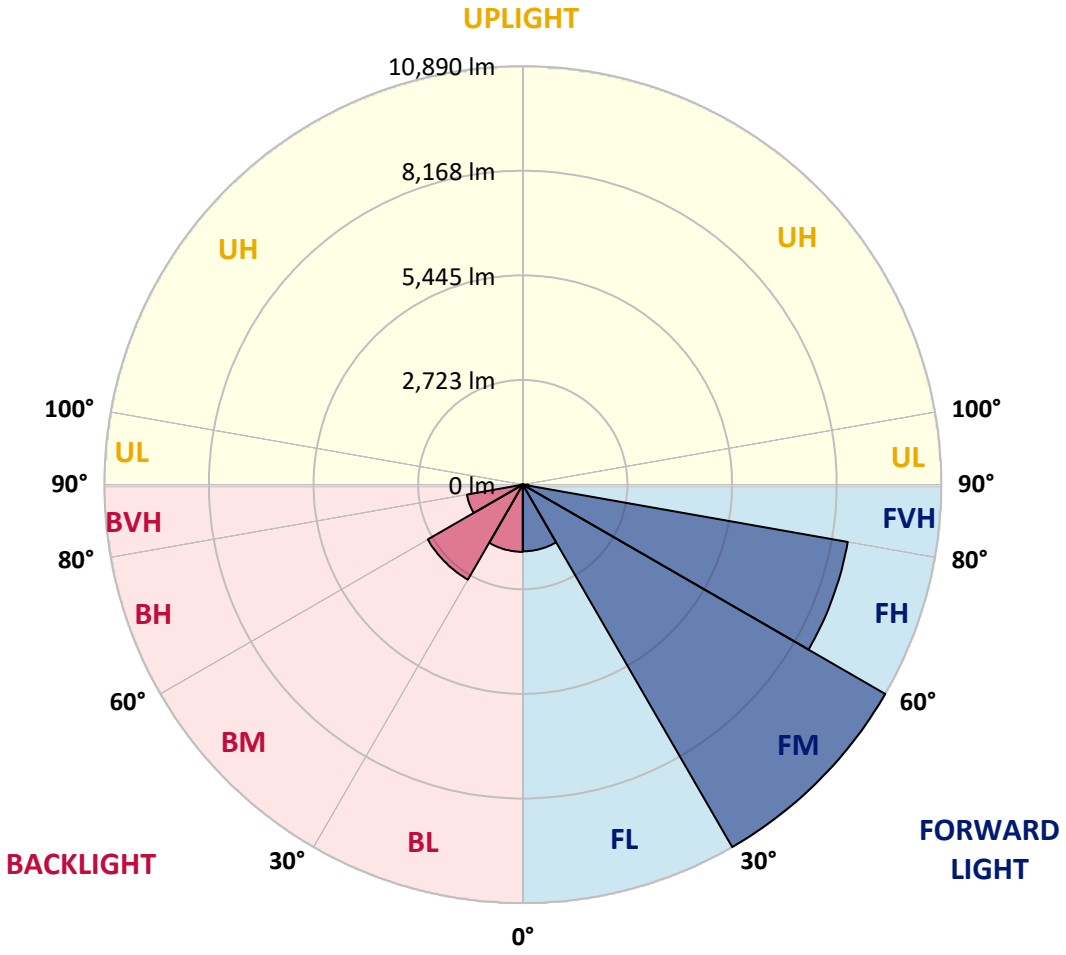
Scaled Data Report

REPORT NUMBER: P1366443
CATALOG NUMBER: GSS-SB6A-740-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1733.7	6.3			
FM	(30°-60°)	10890.1	39.6			
FH	(60°-80°)	8585.4	31.2			G4/12000
FVH	(80°-90°)	145.4	0.5			G2/225
BL	(0°-30°)	1748.2	6.4	B3/2500		
BM	(30°-60°)	2854.6	10.4	B3/5000		
BH	(60°-80°)	1476.8	5.4	B3/2500		G3/2500
BVH	(80°-90°)	65.5	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: P1366443
CATALOG NUMBER: GSS-SB6A-740-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	*4201.1*	4201.1
2.5°	3906.0	3893.2	3886.8	3899.6	3918.9	3957.4	4002.3	4034.3	4111.3	*4156.2*	4194.7
5°	3700.8	3694.4	3694.4	3726.5	3758.5	3803.4	3867.6	3925.3	4040.7	*4130.5*	4194.7
7.5°	3457.1	3450.7	3450.7	3521.2	3585.4	3688.0	3790.6	3886.8	4027.9	*4143.4*	4246.0
10°	3200.5	3200.5	3213.3	3303.1	3412.2	3559.7	3732.9	3880.4	4060.0	*4194.7*	4335.8
12.5°	3091.5	3085.1	3091.5	3174.9	3283.9	3482.7	3681.6	3906.0	4124.1	*4297.3*	4464.1
15°	3117.1	3104.3	3091.5	3162.0	3245.4	3444.2	3681.6	3957.4	4233.2	*4399.9*	4630.8
17.5°	3251.8	3245.4	3206.9	3226.2	3283.9	3463.5	3713.6	4034.3	4342.2	*4541.0*	4791.2
20°	3514.8	3495.6	3437.8	3405.8	3412.2	3527.6	3771.4	4136.9	4444.8	*4682.1*	4964.3
22.5°	3950.9	3938.1	3841.9	3713.6	3630.2	3662.3	3874.0	4252.4	4585.9	*4810.4*	5163.2
25°	4528.2	4496.1	4348.6	4143.4	3950.9	3880.4	4002.3	4406.3	4720.6	*4964.3*	5349.2
27.5°	5143.9	5150.3	5015.6	4707.8	4374.3	4136.9	4169.0	4560.3	4874.5	*5092.6*	5509.5
30°	5862.3	5830.2	5682.7	5362.0	4874.5	4476.9	4342.2	4707.8	5015.6	*5220.9*	5701.9
32.5°	6811.5	6817.9	6555.0	6061.1	5451.8	4893.8	4566.7	4861.7	5176.0	*5387.6*	5939.2
35°	7959.6	7934.0	7619.7	7023.2	6195.8	5374.8	4855.3	5060.5	5368.4	*5605.7*	6215.0
37.5°	8985.8	8915.3	8729.3	8158.4	7132.2	6029.0	5246.5	5323.5	5669.9	*5920.0*	6625.5
40°	9903.0	9870.9	9838.9	9402.7	8203.3	6843.6	5759.7	5727.6	6041.9	*6369.0*	7132.2
42.5°	10659.8	10653.4	10666.3	10570.1	9511.8	7863.4	6478.0	6253.5	6567.8	*6901.3*	7728.7
45°	11211.4	11198.6	11333.3	11532.1	10788.1	9082.0	7324.6	6907.7	7234.8	*7613.3*	8485.5
47.5°	11801.5	11807.9	11993.9	12327.4	12032.4	10294.3	8286.7	7722.3	8017.3	*8498.4*	9389.9
50°	12032.4	12032.4	12475.0	12949.6	13033.0	11583.4	9434.8	8690.8	8992.2	*9505.3*	10300.7
52.5°	11532.1	11628.3	12404.4	13295.9	13687.2	12776.4	10647.0	9742.7	9999.2	*10659.8*	11205.0
55°	8735.7	9075.6	11865.7	13129.2	13930.9	13712.8	11852.8	10910.0	11192.2	*11846.4*	12135.0
57.5°	7542.7	7632.5	9306.5	12545.5	13623.0	14219.5	12968.8	12154.3	12410.8	*13052.2*	13103.5
60°	6631.9	6753.8	7780.0	11557.8	13013.7	14168.2	13898.8	13302.4	13661.5	*14476.1*	14084.8
62.5°	5374.8	5503.1	6369.0	9236.0	12212.0	13809.1	14623.6	14386.3	14726.2	*15406.1*	14488.9
65°	4733.4	4778.3	5400.5	7080.9	10736.8	13501.2	14995.6	14848.1	14995.6	*15566.5*	14283.7
67.5°	3944.5	4034.3	4637.2	6009.8	8671.5	12847.0	14444.0	14655.7	15386.9	*15951.3*	14437.6
68°	*3777.8*	*3841.9*	*4457.6*	*5746.8*	*8286.7*	*12609.7*	*14296.5*	*14668.5*	*15540.8*	*16028.2*	*14354.2*
70°	3085.1	3174.9	3720.0	4816.8	6946.2	10095.4	13719.3	14918.7	15649.8	*15867.9*	13898.8
72.5°	1526.5	1686.8	2565.5	3399.3	5015.6	7299.0	12026.0	14598.0	15425.3	*15290.7*	12936.8
75°	538.8	577.2	1199.4	1840.8	2430.9	4727.0	8504.8	13308.8	14142.6	*13353.7*	10845.8
77.5°	384.8	416.9	679.9	930.0	1000.6	2373.1	5451.8	8799.8	8363.7	*6478.0*	4938.7
80°	301.5	327.1	506.7	519.5	500.3	833.8	1860.0	2668.2	1879.3	*1180.2*	853.0
82.5°	186.0	224.5	378.4	314.3	230.9	263.0	436.1	718.4	513.1	*327.1*	263.0
85°	70.6	89.8	173.2	121.9	77.0	102.6	147.5	192.4	147.5	*109.0*	96.2
87.5°	6.4	6.4	12.8	12.8	19.2	25.7	38.5	51.3	57.7	*57.7*	57.7
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: P1366443
CATALOG NUMBER: GSS-SB6A-740-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1	4201.1
2.5°	4220.3	4239.6	4322.9	4367.8	4451.2	4515.4	4553.8	4573.1	4592.3	4605.2	4598.7
5°	4265.2	4322.9	4483.3	4605.2	4701.4	4765.5	4797.6	4823.2	4829.6	4842.5	4836.1
7.5°	4348.6	4438.4	4682.1	4823.2	4906.6	4932.3	4906.6	4893.8	4874.5	4855.3	4855.3
10°	4483.3	4624.4	4913.0	5015.6	5022.1	4983.6	4900.2	4804.0	4733.4	4707.8	4694.9
12.5°	4656.5	4855.3	5150.3	5176.0	5092.6	4913.0	4675.7	4476.9	4348.6	4252.4	4246.0
15°	4868.1	5099.0	5355.6	5278.6	5041.3	4662.9	4271.6	3989.4	3841.9	3758.5	3720.0
17.5°	5086.2	5381.2	5541.6	5329.9	4829.6	4213.9	3745.7	3521.2	3386.5	3341.6	3309.6
20°	5329.9	5612.1	5669.9	5253.0	4444.8	3713.6	3290.3	3149.2	3149.2	3136.4	3123.6
22.5°	5580.1	5849.4	5740.4	5041.3	3938.1	3219.8	2963.2	3014.5	3104.3	3130.0	3130.0
25°	5811.0	6054.7	5740.4	4662.9	3335.2	2815.7	2834.9	2956.8	3072.2	3136.4	3136.4
27.5°	6035.4	6183.0	5625.0	4130.5	2790.0	2610.4	2725.9	2873.4	3059.4	3155.6	3162.0
30°	6259.9	6279.2	5419.7	3450.7	2398.8	2462.9	2597.6	2790.0	2995.3	3117.1	3130.0
32.5°	6497.2	6369.0	5131.1	2777.2	2219.2	2321.8	2482.2	2636.1	2796.4	2886.2	2892.7
35°	6766.6	6452.3	4759.1	2257.7	2103.7	2225.6	2347.5	2398.8	2443.7	2495.0	2527.1
37.5°	7061.7	6561.4	4271.6	1994.7	1994.7	2135.8	2206.4	2103.7	2090.9	2084.5	2065.3
40°	7388.8	6676.8	3662.3	1860.0	1911.3	2039.6	1981.9	1860.0	1770.2	1674.0	1680.4
42.5°	7799.3	6824.4	2969.6	1795.9	1853.6	1962.6	1802.3	1654.8	1411.1	1346.9	1359.7
45°	8267.5	7010.4	2418.0	1738.2	1808.7	1892.1	1680.4	1398.2	1244.3	1308.4	1353.3
47.5°	8761.3	7254.1	2020.4	1693.3	1789.5	1808.7	1603.5	1282.8	1180.2	1321.3	1379.0
50°	9345.0	7478.6	1834.4	1648.4	1783.1	1783.1	1468.8	1263.5	1128.8	1250.7	1308.4
52.5°	9935.1	7696.6	1738.2	1597.1	1763.8	1776.6	1436.7	1237.9	1058.3	1096.8	1122.4
55°	10512.3	7818.5	1686.8	1526.5	1744.6	1744.6	1449.5	1193.0	987.7	987.7	1000.6
57.5°	11096.0	7901.9	1641.9	1443.1	1680.4	1648.4	1449.5	1160.9	962.1	936.4	949.3
60°	11743.8	7953.2	1597.1	1346.9	1590.6	1532.9	1443.1	1135.3	930.0	891.5	897.9
62.5°	11846.4	7594.0	1513.7	1244.3	1468.8	1436.7	1417.5	1103.2	878.7	801.7	801.7
65°	11480.8	7055.3	1411.1	1116.0	1308.4	1340.5	1366.2	1064.7	827.4	737.6	744.0
67.5°	11442.3	6651.2	1302.0	1000.6	1096.8	1218.6	1302.0	1000.6	750.4	673.5	667.0
68°	*11352.5*	*6503.7*	*1269.9*	*974.9*	*1058.3*	*1193.0*	*1263.5*	*974.9*	*737.6*	*660.6*	*660.6*
70°	10775.3	5862.3	1077.5	859.5	936.4	974.9	1109.6	865.9	660.6	596.5	602.9
72.5°	9652.9	4778.3	827.4	699.1	750.4	750.4	962.1	801.7	602.9	545.2	545.2
75°	8049.4	3777.8	628.6	551.6	525.9	609.3	782.5	724.8	532.4	487.5	468.2
77.5°	3655.9	1629.1	410.5	384.8	391.2	474.6	622.1	622.1	506.7	397.7	352.8
80°	808.1	506.7	250.1	230.9	230.9	301.5	436.1	449.0	365.6	275.8	237.3
82.5°	269.4	205.2	153.9	141.1	134.7	160.3	269.4	295.0	218.1	160.3	160.3
85°	102.6	96.2	83.4	77.0	64.1	64.1	83.4	134.7	115.4	77.0	77.0
87.5°	51.3	51.3	44.9	32.1	25.7	19.2	12.8	12.8	12.8	19.2	12.8
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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

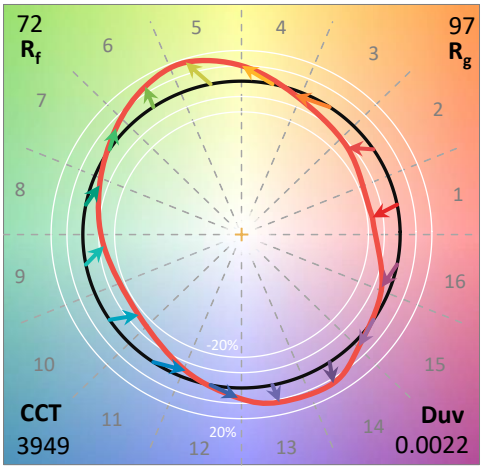
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

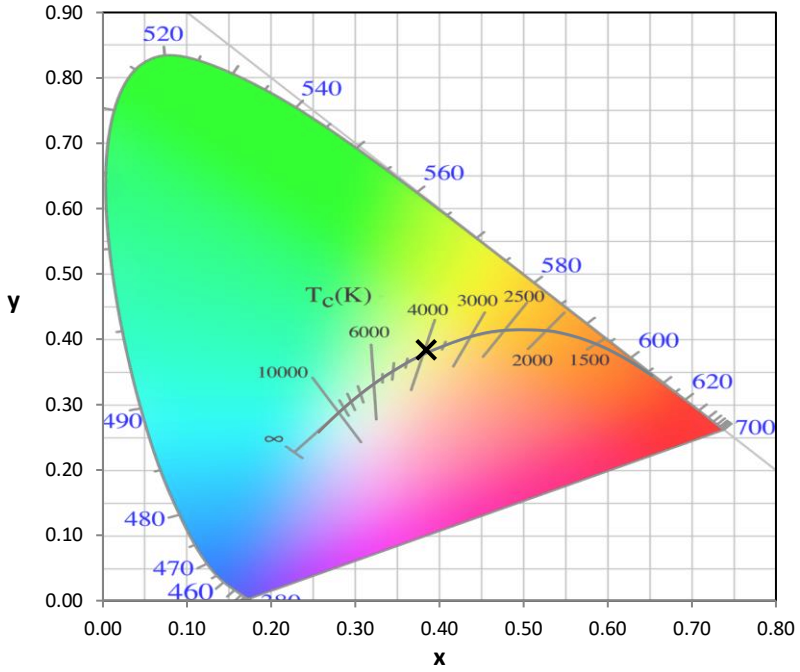
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

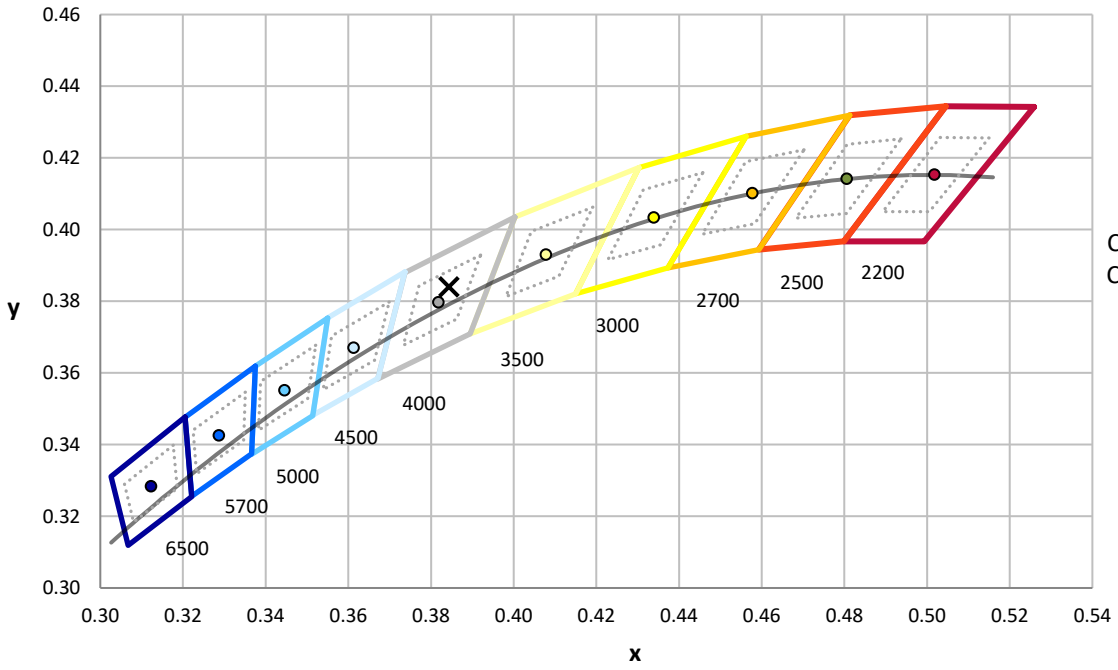
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

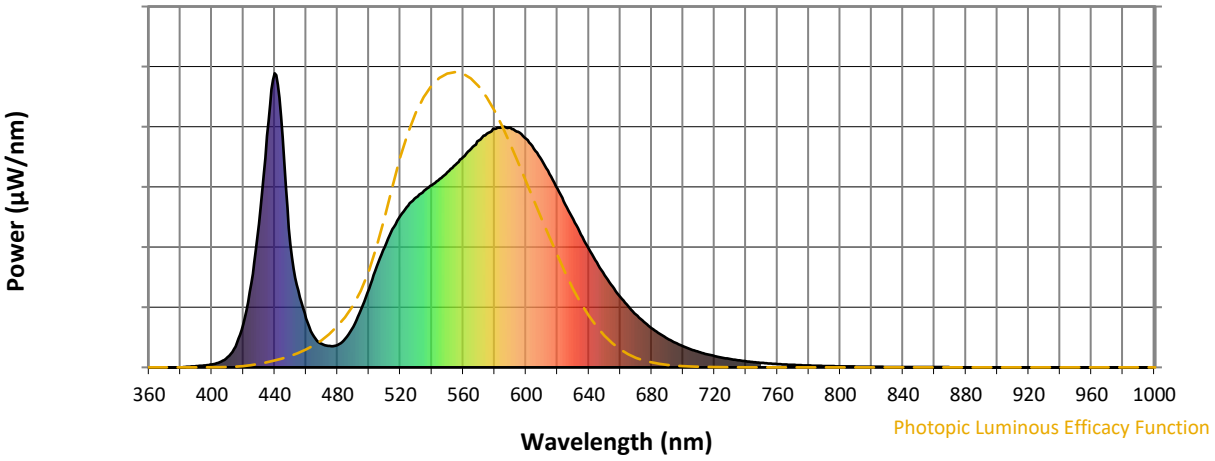


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

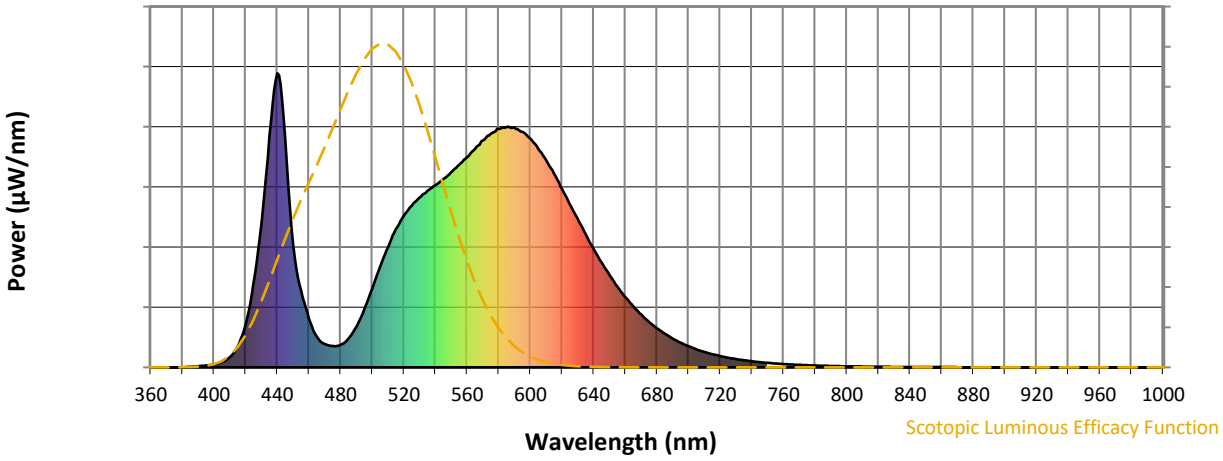


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

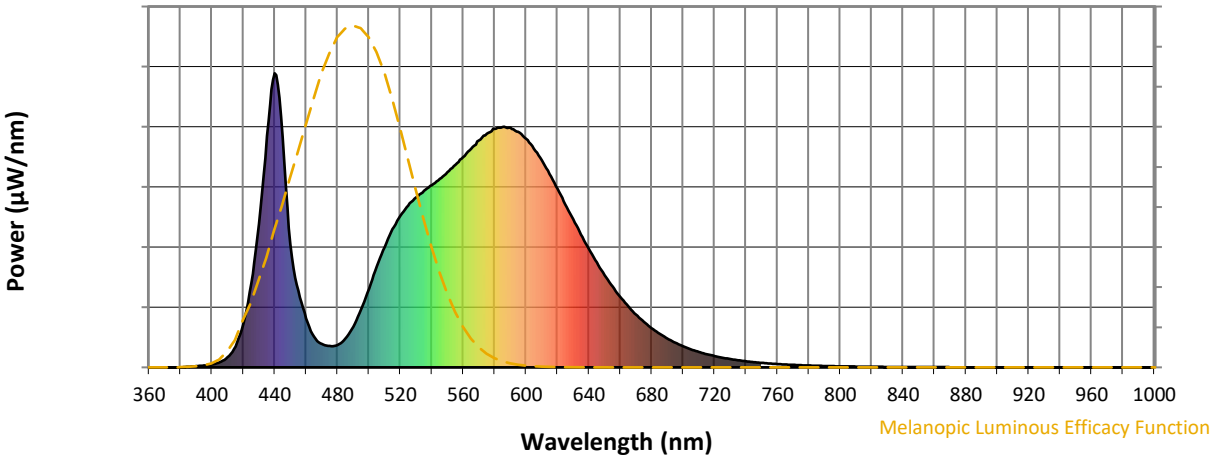


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

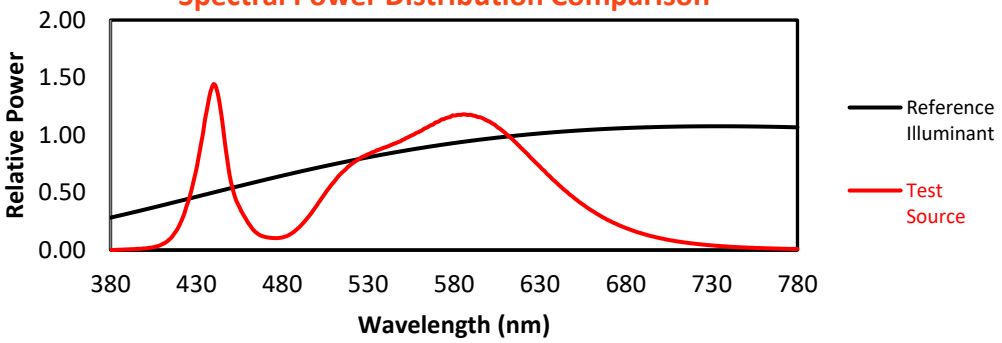
REPORT NUMBER: SP1-2407-184-1

TM-30-18

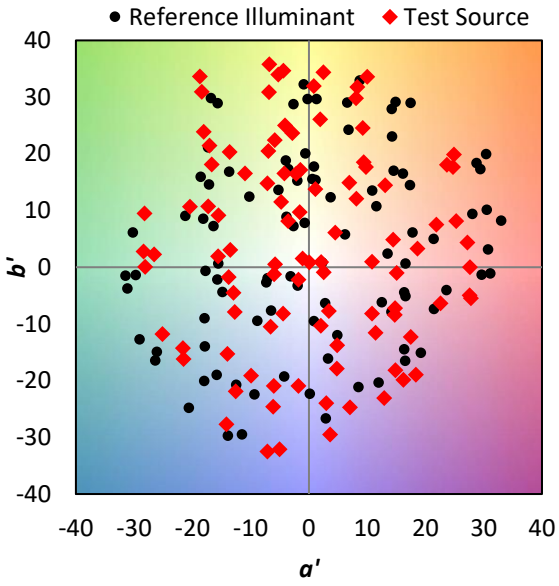
Summary

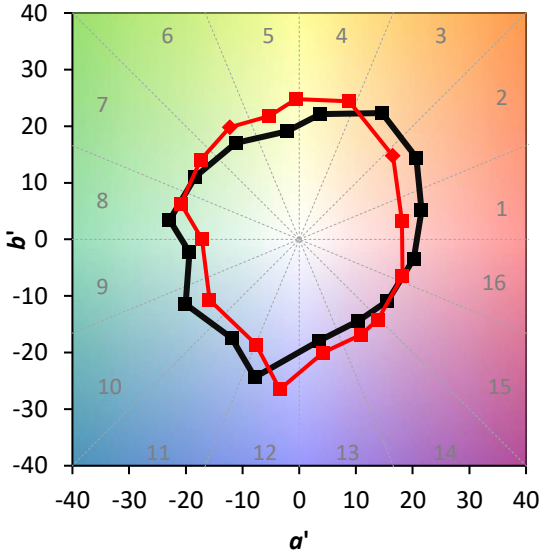
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

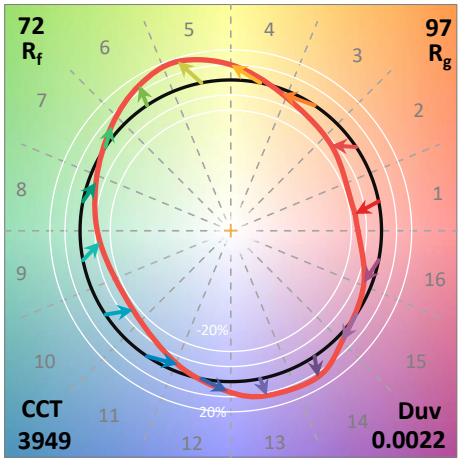
Spectral Power Distribution Comparison

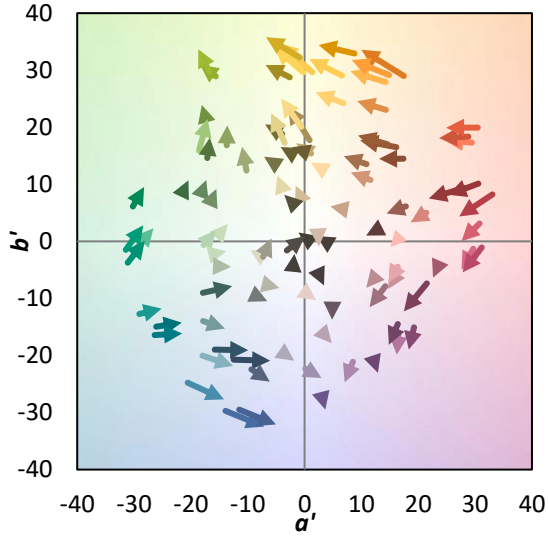


Color Vector Graphics







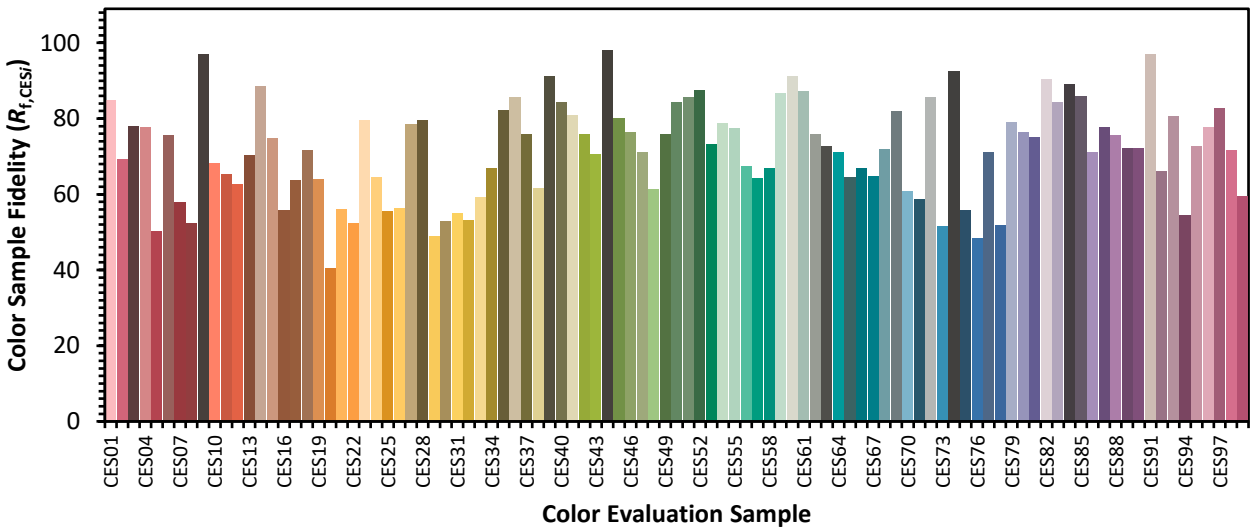


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

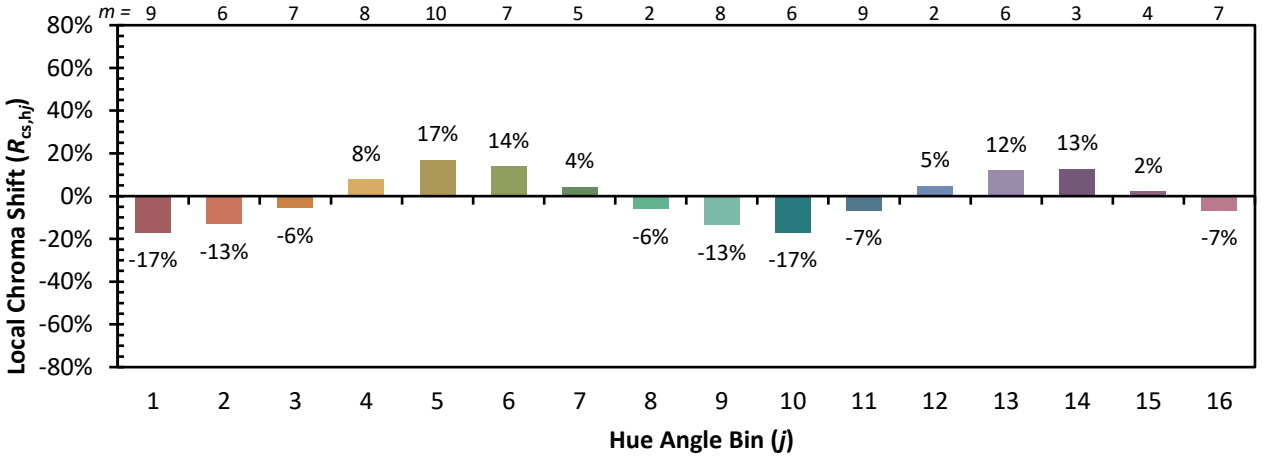
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

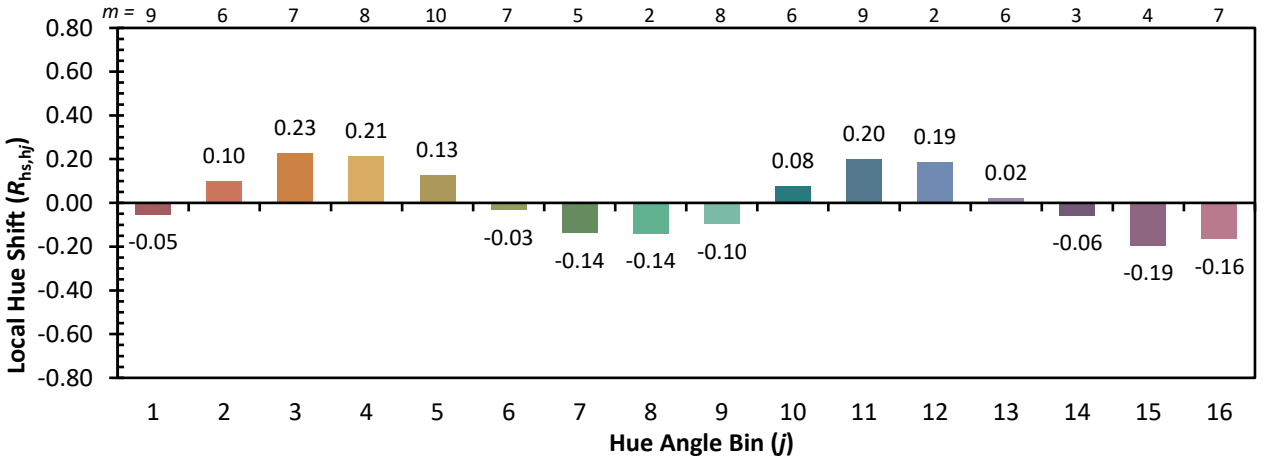


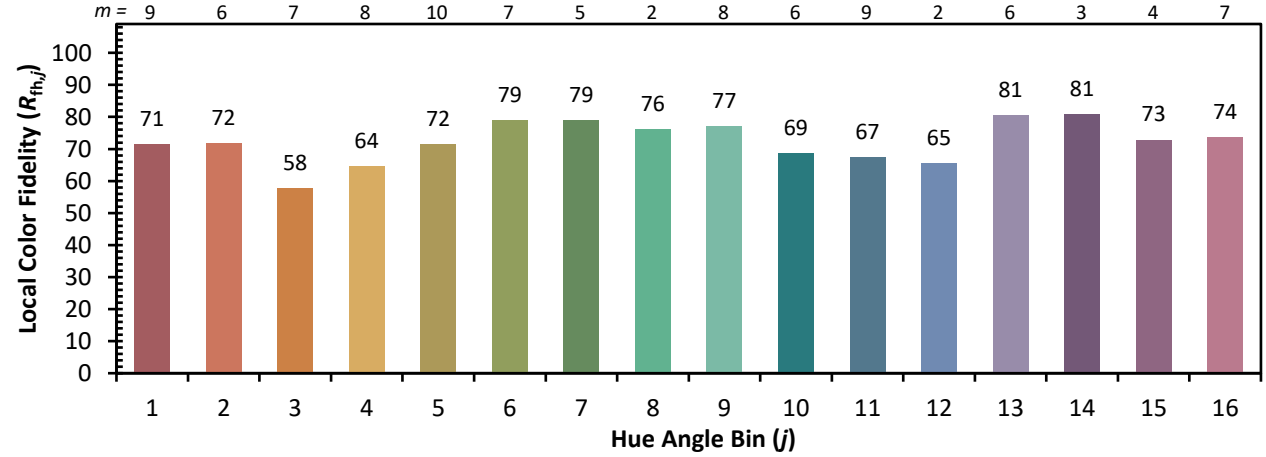
REPORT NUMBER: SP1-2407-184-1

TM-30-18

Color Rendition by Hue-Angle Bin



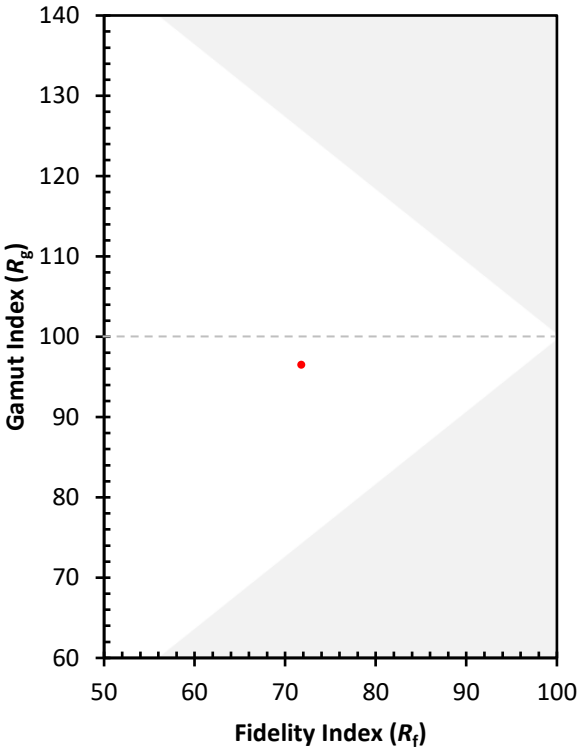


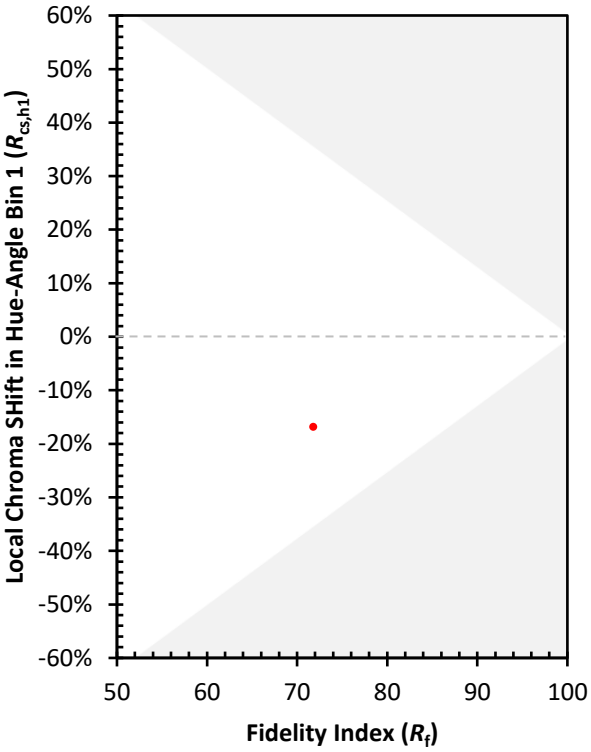


REPORT NUMBER: SP1-2407-184-1

TM-30-18

Measure Comparisons





(END OF REPORT)