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: P1365690

Luminaire Tested: **GSS-SB3D-722-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:	P1365690
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-722-U-T2R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 70CRI 2200K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23730.8 lumens
Efficiency:	N/A
Efficacy:	108.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

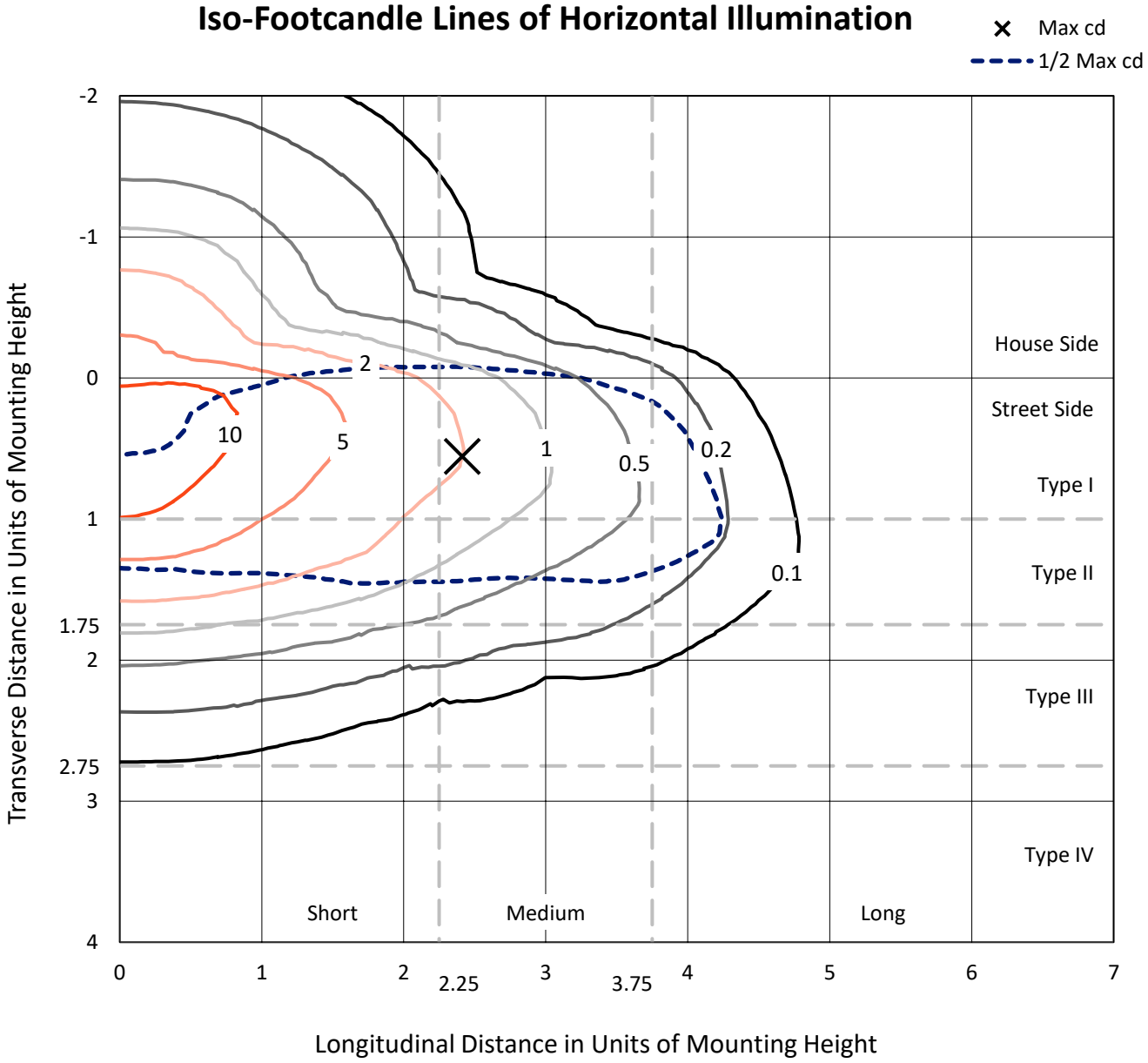
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365690
CATALOG NUMBER: GSS-SB3D-722-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



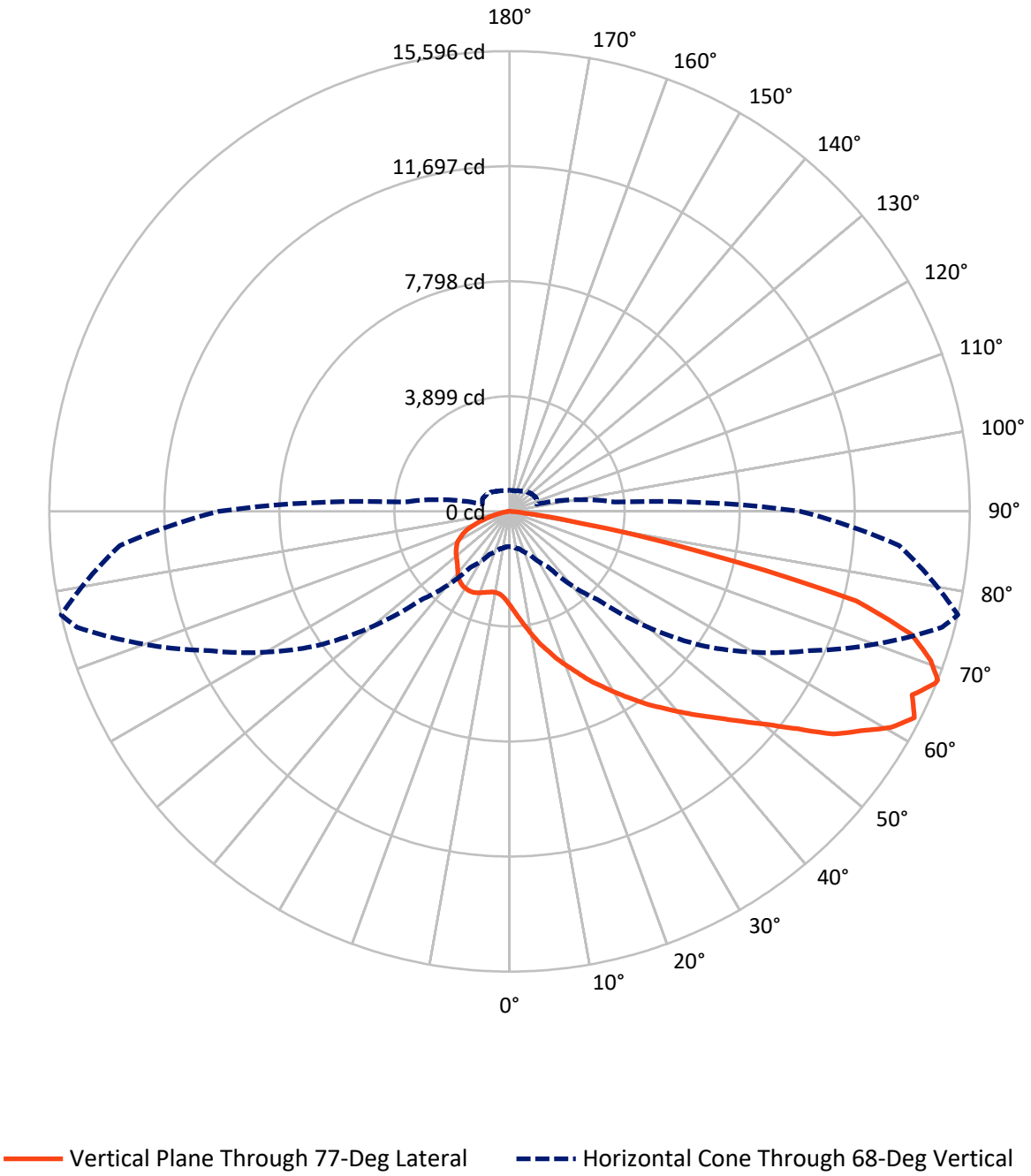
Based on 20 foot mounting height. Maximum calculated value = 13.8 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1365690
CATALOG NUMBER: GSS-SB3D-722-U-T2R

Luminous Intensity Polar Plot



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

Scaled Data Report

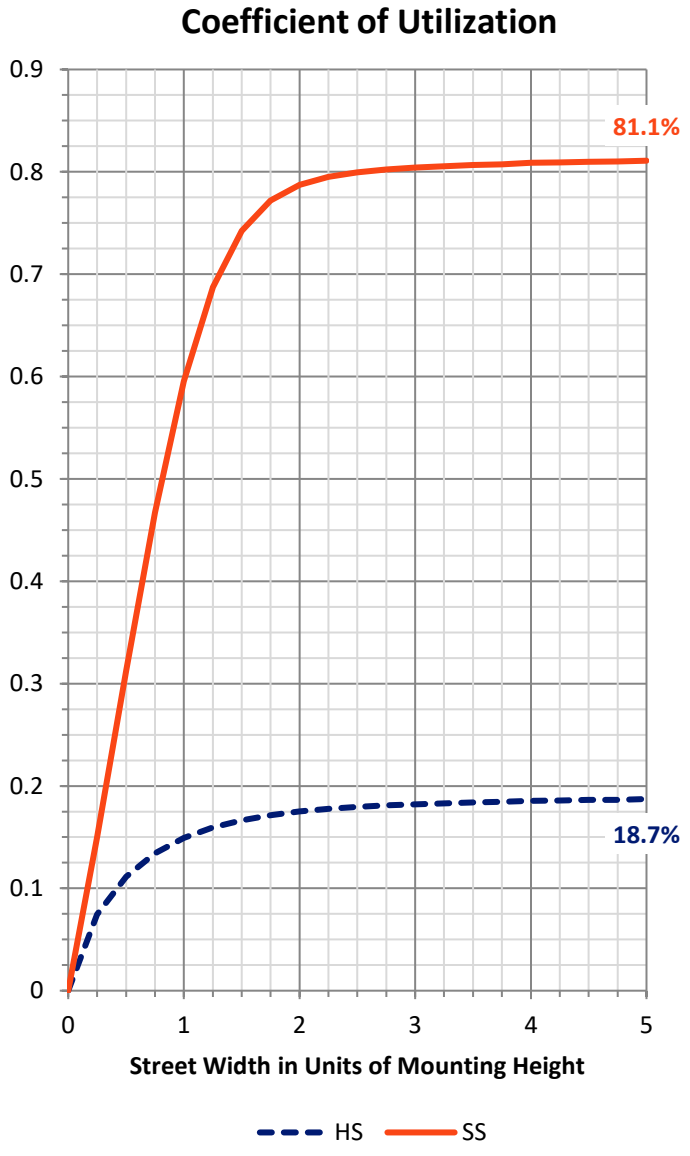
REPORT NUMBER: P1365690
CATALOG NUMBER: GSS-SB3D-722-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4479.7	0.0	4479.7
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	19251.1	0.0	19251.1
	% Fixture	81.1	0.0	81.1
Total	Lumens	23730.8	0.0	23730.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	1.4
10°-20°	1150.2	4.8
20°-30°	2102.5	8.9
30°-40°	3406.8	14.4
40°-50°	4685.9	19.7
50°-60°	5253.9	22.1
60°-70°	4428.0	18.7
70°-80°	2194.6	9.2
80°-90°	181.3	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°	23730.8	100.0
0°-180°	23730.8	100.0



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

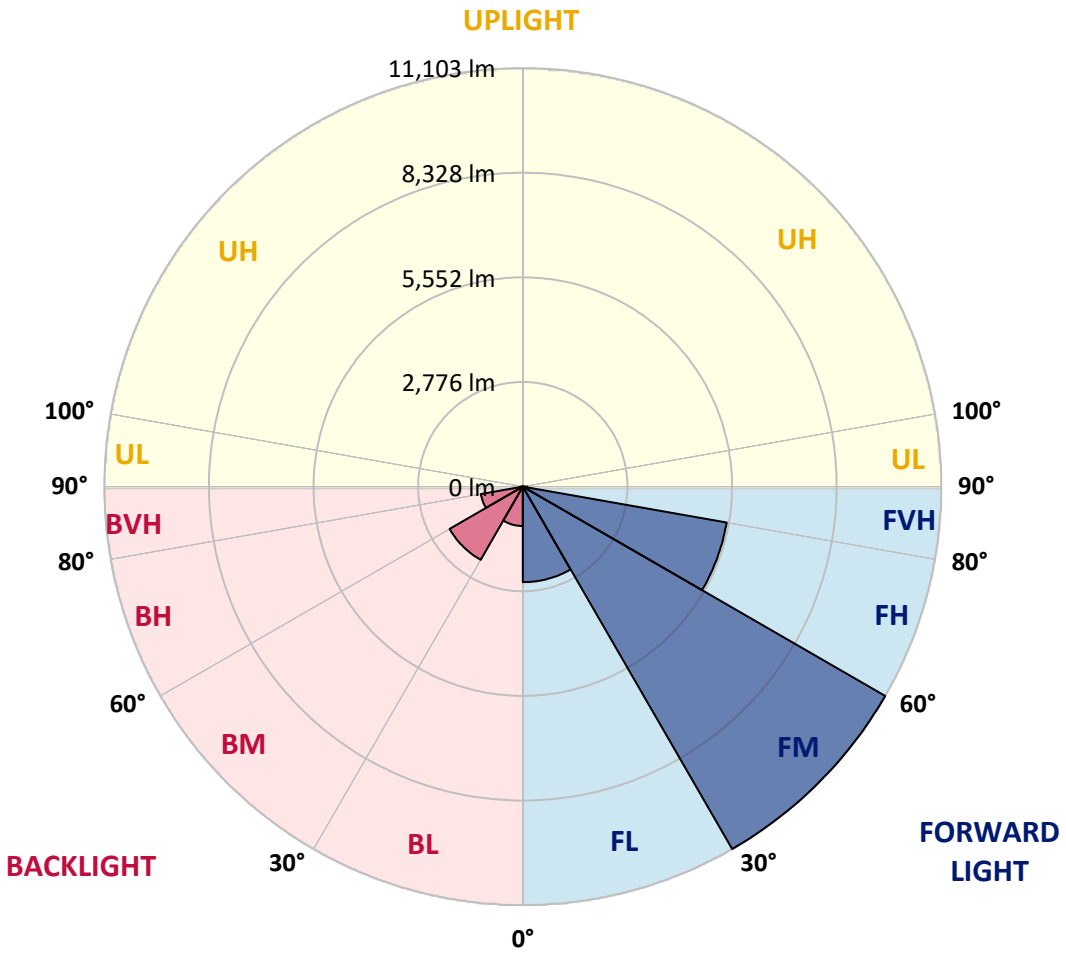
Scaled Data Report

REPORT NUMBER: P1365690
CATALOG NUMBER: GSS-SB3D-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2535.8	10.7			
FM	(30°-60°)	11103.5	46.8			
FH	(60°-80°)	5492.7	23.1			G3/7500
FVH	(80°-90°)	119.1	0.5			G2/225
BL	(0°-30°)	1044.5	4.4	B3/2500		
BM	(30°-60°)	2243.1	9.5	B2/2500		
BH	(60°-80°)	1130.0	4.8	B3/2500		G3/2500
BVH	(80°-90°)	62.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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

Scaled Data Report

REPORT NUMBER: P1365690
CATALOG NUMBER: GSS-SB3D-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	*3192.6*	3192.6
2.5°	3982.6	3960.6	3944.2	3889.3	3856.4	3768.6	3697.3	3576.6	3423.0	*3412.1*	3291.4
5°	4591.5	4564.0	4542.1	4465.3	4432.4	4278.8	4141.6	3927.7	3708.3	*3669.9*	3428.5
7.5°	5085.2	5052.3	5030.3	4959.0	4893.2	4772.5	4596.9	4339.1	4021.0	*3949.6*	3631.5
10°	5430.8	5430.8	5425.3	5381.4	5343.0	5227.8	5024.8	4723.1	4344.6	*4262.3*	3845.4
12.5°	5699.6	5683.1	5705.0	5732.5	5738.0	5672.1	5485.6	5145.5	4690.2	*4607.9*	4070.3
15°	5721.5	5727.0	5809.3	5919.0	6056.1	6078.1	5924.5	5567.9	5024.8	*4915.1*	4333.6
17.5°	5611.8	5639.2	5754.4	5935.4	6198.7	6357.8	6324.9	6006.8	5386.9	*5271.7*	4575.0
20°	5578.9	5611.8	5727.0	5951.9	6264.6	6527.9	6626.6	6396.2	5748.9	*5589.8*	4838.3
22.5°	5776.4	5787.3	5869.6	6056.1	6357.8	6659.5	6879.0	6769.3	6132.9	*5957.4*	5140.0
25°	6313.9	6303.0	6297.5	6341.4	6566.3	6829.6	7098.4	7120.3	6533.4	*6357.8*	5425.3
27.5°	7208.1	7252.0	7125.8	6884.5	6906.4	7109.4	7317.8	7433.0	6922.8	*6730.9*	5710.5
30°	8321.7	8316.2	8091.3	7701.8	7405.6	7476.9	7592.1	7729.2	7312.3	*7136.8*	6028.7
32.5°	9270.7	9248.8	9007.4	8557.6	8091.3	7937.7	7981.6	8009.0	7762.1	*7564.7*	6352.3
35°	9879.6	9885.1	9654.7	9265.2	8744.1	8491.7	8382.0	8316.2	8212.0	*8020.0*	6736.3
37.5°	10488.5	10455.6	10164.8	9704.1	9270.7	9062.2	8936.1	8656.3	8628.9	*8458.8*	7076.4
40°	10943.8	10910.9	10614.7	10088.1	9693.1	9523.0	9473.7	9051.3	9095.2	*8947.0*	7455.0
42.5°	11152.3	11157.7	10889.0	10411.7	10005.8	9923.5	10022.2	9506.6	9588.9	*9451.7*	7866.4
45°	11157.7	11130.3	10943.8	10565.3	10258.1	10192.3	10461.1	10022.2	10126.5	*10000.3*	8343.6
47.5°	10856.0	10856.0	10779.2	10554.3	10389.8	10395.2	10828.6	10543.4	10729.9	*10636.6*	8897.7
50°	10197.8	10252.6	10285.5	10329.4	10323.9	10537.9	11124.8	11086.4	11377.2	*11349.7*	9517.5
52.5°	8190.0	8420.4	9248.8	9780.9	10121.0	10521.4	11448.5	11646.0	12194.5	*12243.9*	10411.7
55°	6533.4	6588.2	7284.9	8656.3	9665.7	10384.3	11563.7	12276.8	13242.3	*13319.1*	11229.1
57.5°	5304.6	5436.2	5858.6	7169.7	8672.8	10077.1	11640.5	12616.9	13906.0	*14032.2*	11903.8
60°	3922.2	3999.0	4405.0	5491.1	7263.0	9358.5	11684.4	12929.6	14679.5	*14860.5*	12781.5
62.5°	2885.4	2890.9	3148.7	3834.4	5732.5	8179.1	11344.3	13181.9	15189.7	*15398.1*	13061.3
65°	1865.1	1887.1	2144.9	2737.3	3872.8	6703.4	10559.8	12194.5	14690.5	*14997.7*	12891.2
67.5°	1256.2	1294.6	1448.2	1744.4	2594.7	4783.5	8239.4	11289.4	15151.3	*15557.2*	13302.6
68°	*1195.9*	*1201.4*	*1322.0*	*1607.3*	*2309.4*	*4234.9*	*7921.2*	*11174.2*	*15173.2*	*15595.6*	*13253.3*
70°	949.0	960.0	1036.8	1190.4	1568.9	2594.7	6396.2	10208.7	14767.3	*15140.3*	12534.6
72.5°	724.1	740.6	789.9	850.3	1020.3	1590.8	3741.2	8316.2	13697.6	*14229.7*	11349.7
75°	614.4	619.9	658.3	680.2	669.2	965.5	2101.0	6505.9	11651.5	*12139.7*	9320.1
77.5°	482.7	499.2	554.0	565.0	510.2	669.2	1102.6	3713.8	6840.6	*6681.5*	4487.2
80°	345.6	356.6	400.5	378.5	400.5	460.8	521.1	1333.0	2847.0	*2485.0*	1053.2
82.5°	120.7	137.1	274.3	263.3	263.3	208.5	235.9	581.5	740.6	*647.3*	263.3
85°	21.9	27.4	76.8	109.7	98.7	76.8	98.7	181.0	148.1	*126.2*	76.8
87.5°	5.5	5.5	11.0	11.0	11.0	16.5	27.4	38.4	43.9	*43.9*	43.9
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: P1365690
CATALOG NUMBER: GSS-SB3D-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6	3192.6
2.5°	3225.5	3143.3	2984.2	2841.6	2726.4	2616.6	2528.9	2468.5	2424.6	2402.7	2402.7
5°	3296.9	3121.3	2830.6	2572.8	2375.3	2243.6	2161.3	2112.0	2106.5	2101.0	2101.0
7.5°	3406.6	3159.7	2726.4	2402.7	2232.6	2161.3	2139.4	2133.9	2133.9	2144.9	2144.9
10°	3554.7	3225.5	2682.5	2342.4	2249.1	2227.2	2216.2	2232.6	2238.1	2243.6	2249.1
12.5°	3730.2	3307.8	2660.5	2369.8	2314.9	2304.0	2309.4	2304.0	2320.4	2331.4	2325.9
15°	3900.3	3412.1	2682.5	2424.6	2380.8	2375.3	2358.8	2369.8	2364.3	2358.8	2358.8
17.5°	4092.3	3532.7	2704.4	2468.5	2424.6	2402.7	2380.8	2369.8	2347.8	2342.4	2336.9
20°	4300.7	3653.4	2742.8	2506.9	2435.6	2386.2	2347.8	2304.0	2271.0	2254.6	2254.6
22.5°	4514.7	3779.6	2775.7	2512.4	2413.7	2325.9	2260.1	2205.2	2155.8	2122.9	2106.5
25°	4734.1	3905.8	2786.7	2490.5	2347.8	2243.6	2155.8	2090.0	2024.2	1991.3	1980.3
27.5°	4959.0	4015.5	2770.2	2435.6	2260.1	2144.9	2046.1	1974.8	1920.0	1881.6	1881.6
30°	5178.4	4119.7	2726.4	2358.8	2166.8	2051.6	1952.9	1887.1	1837.7	1804.8	1799.3
32.5°	5430.8	4223.9	2671.5	2260.1	2073.6	1969.3	1870.6	1810.3	1766.4	1749.9	1755.4
35°	5683.1	4317.2	2583.7	2166.8	1974.8	1887.1	1793.8	1744.4	1728.0	1717.0	1711.5
37.5°	5930.0	4383.0	2468.5	2051.6	1892.5	1788.3	1744.4	1695.1	1651.2	1596.3	1590.8
40°	6182.3	4437.9	2320.4	1936.4	1799.3	1717.0	1695.1	1629.2	1525.0	1431.7	1431.7
42.5°	6473.0	4492.7	2161.3	1826.7	1684.1	1645.7	1640.2	1536.0	1382.4	1316.5	1311.1
45°	6818.6	4531.1	2018.7	1722.5	1563.4	1546.9	1590.8	1453.7	1327.5	1272.7	1278.1
47.5°	7219.1	4618.9	1892.5	1607.3	1448.2	1475.6	1481.1	1376.9	1278.1	1212.3	1212.3
50°	7734.7	4772.5	1760.9	1459.2	1365.9	1426.3	1376.9	1300.1	1195.9	1157.5	1152.0
52.5°	8420.4	4898.7	1651.2	1338.5	1311.1	1371.4	1305.6	1223.3	1135.5	1080.7	1075.2
55°	8941.6	4904.1	1546.9	1245.2	1272.7	1261.7	1234.3	1146.5	1080.7	1014.8	1014.8
57.5°	9501.1	4871.2	1453.7	1190.4	1234.3	1184.9	1163.0	1069.7	1003.9	954.5	943.5
60°	10104.5	4810.9	1354.9	1152.0	1201.4	1130.0	1080.7	1003.9	949.0	910.6	910.6
62.5°	10208.7	4520.1	1234.3	1141.0	1163.0	1075.2	998.4	938.0	883.2	861.2	861.2
65°	10016.7	4213.0	1097.1	1086.2	1102.6	1009.4	921.6	866.7	822.8	800.9	795.4
67.5°	10022.2	3713.8	987.4	1020.3	992.9	932.6	844.8	795.4	740.6	724.1	724.1
68°	*9846.7*	*3593.1*	*949.0*	*1009.4*	*971.0*	*910.6*	*822.8*	*768.0*	*718.6*	*713.1*	*713.1*
70°	9023.8	2912.9	811.9	932.6	905.1	833.8	724.1	696.7	663.8	658.3	663.8
72.5°	7882.8	2150.4	652.8	784.4	806.4	647.3	636.3	625.4	587.0	587.0	581.5
75°	6165.8	1568.9	493.7	619.9	597.9	592.4	543.1	537.6	504.7	499.2	488.2
77.5°	2797.7	800.9	334.6	411.4	477.2	526.6	455.3	438.8	416.9	416.9	411.4
80°	784.4	411.4	224.9	235.9	290.7	427.9	356.6	323.7	340.1	329.1	285.3
82.5°	241.4	170.1	137.1	148.1	137.1	246.9	263.3	203.0	181.0	192.0	203.0
85°	82.3	76.8	65.8	71.3	60.3	98.7	115.2	76.8	82.3	82.3	71.3
87.5°	43.9	43.9	32.9	27.4	21.9	16.5	11.0	11.0	5.5	5.5	5.5
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

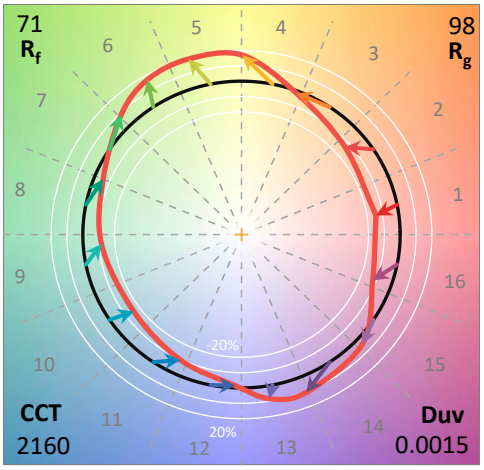
Test Information

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

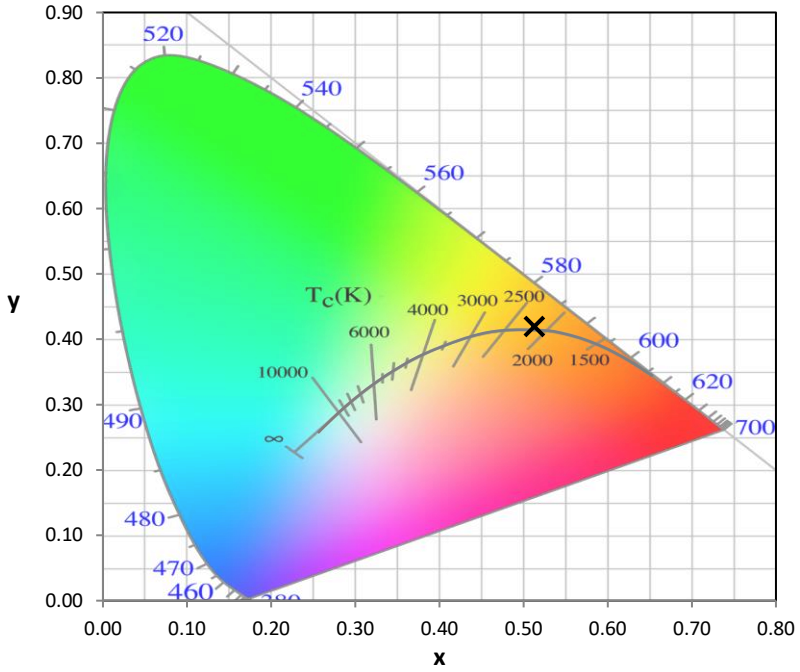
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

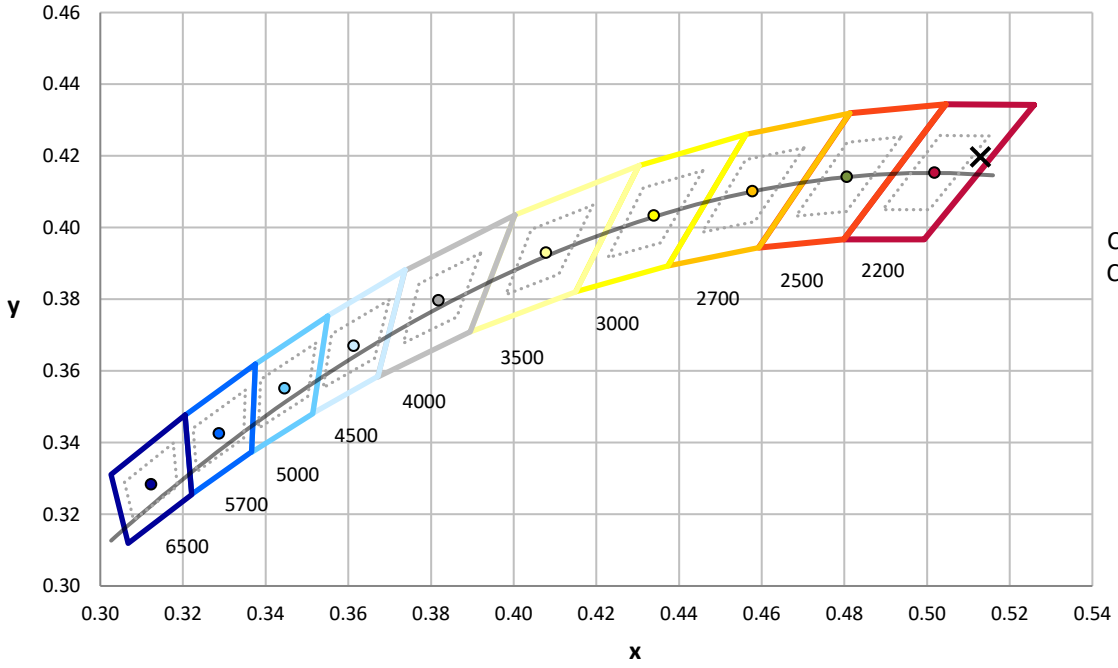
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

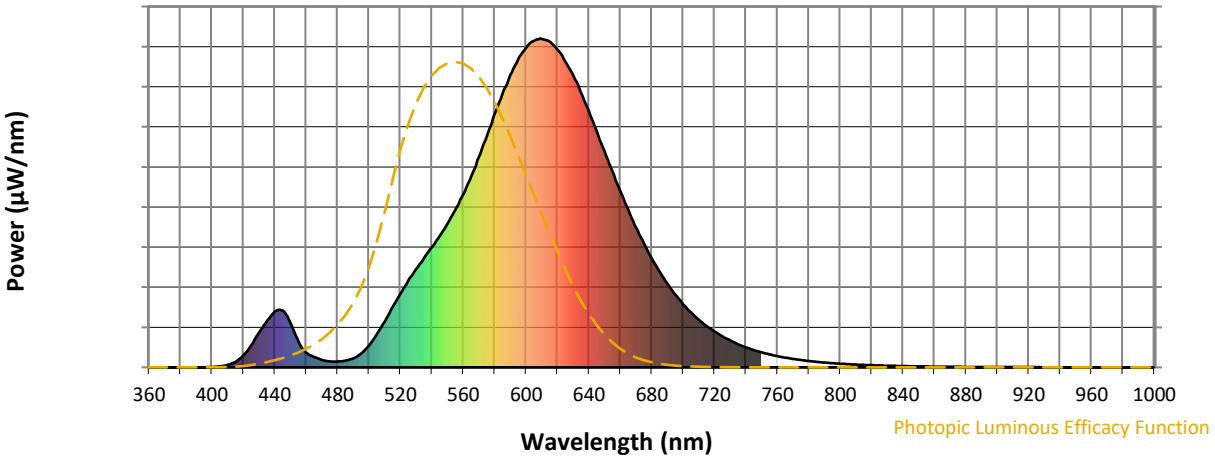


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

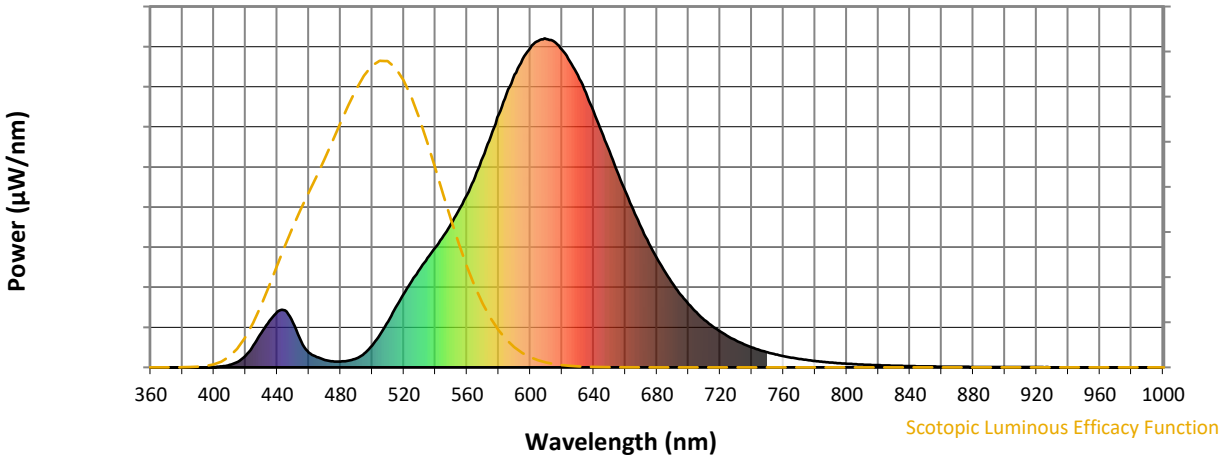


Photopic Lumens: NR

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

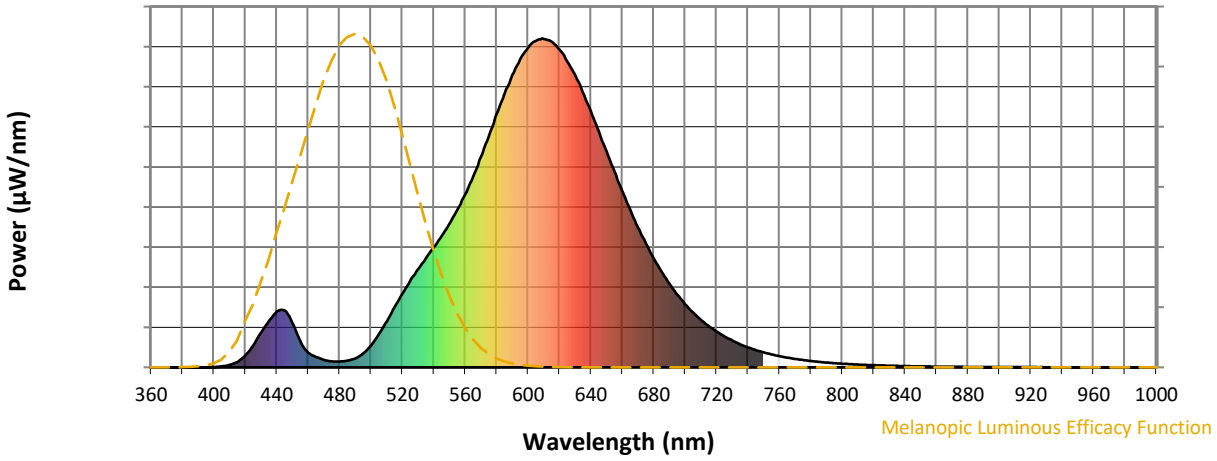


Scotopic Lumens: NR **S/P: 0.8**

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			

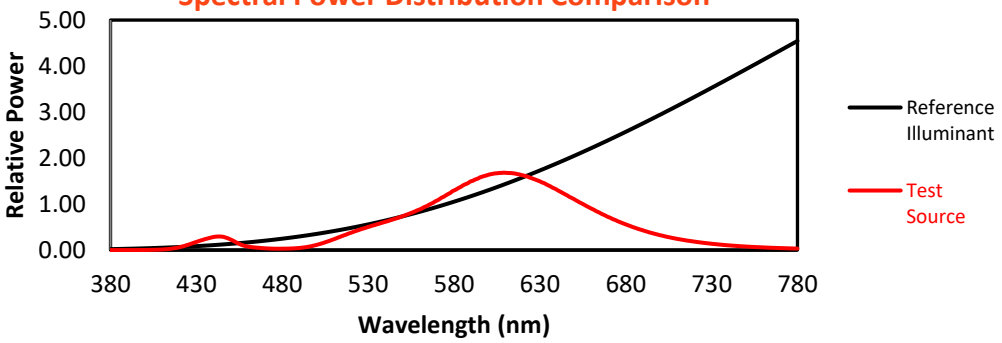
REPORT NUMBER: SP1-2407-184-2

TM-30-18

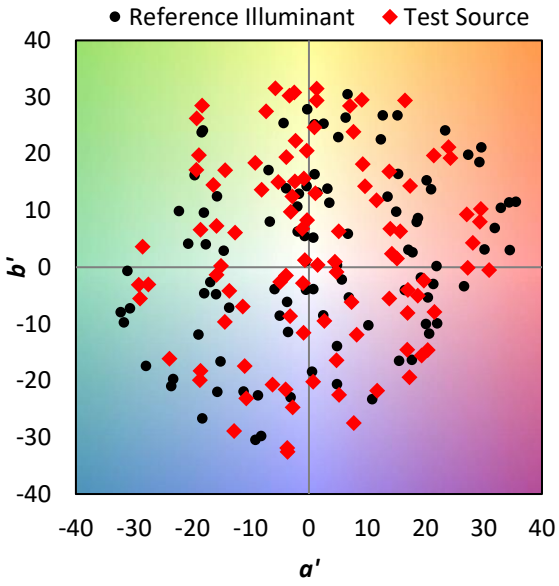
Summary

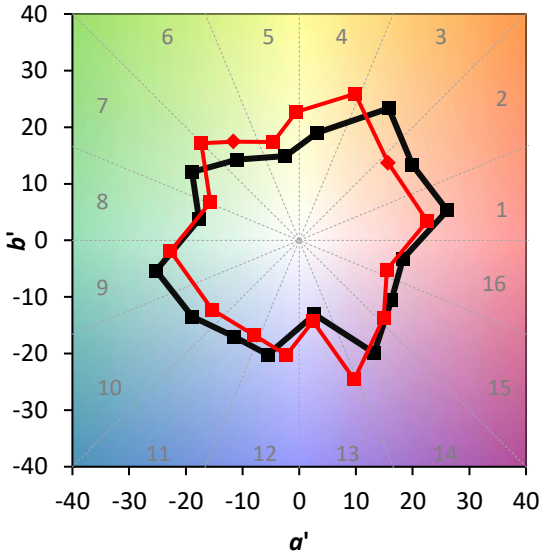
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

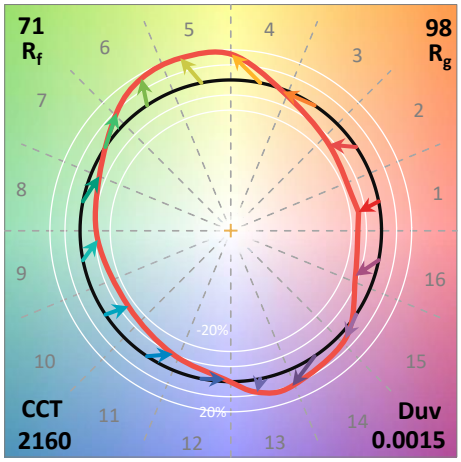
Spectral Power Distribution Comparison

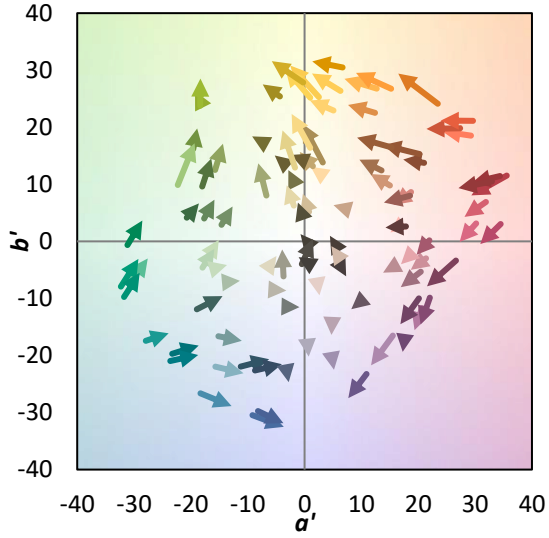


Color Vector Graphics







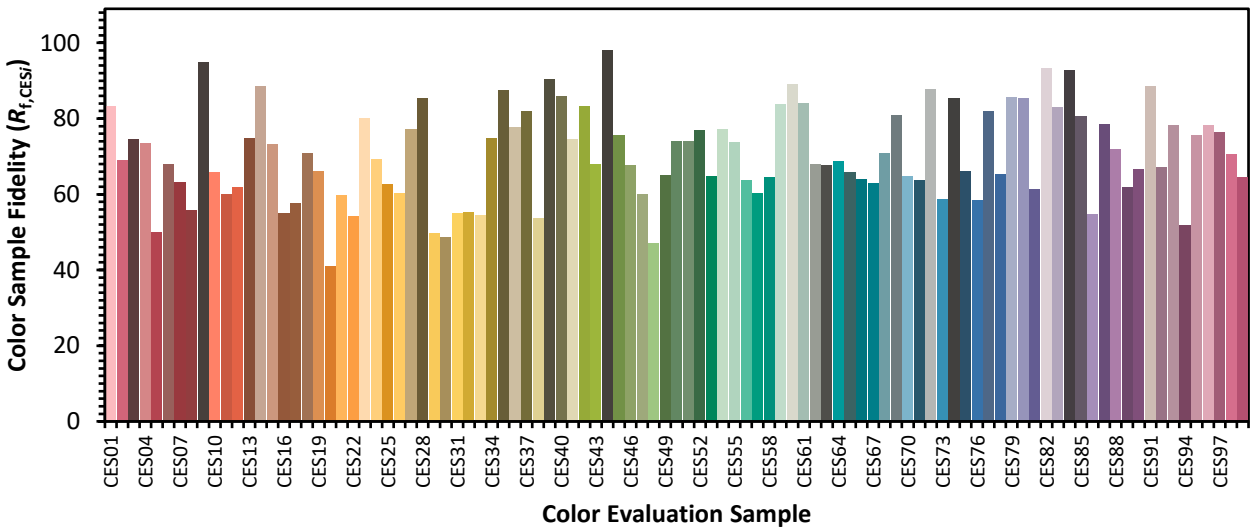


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

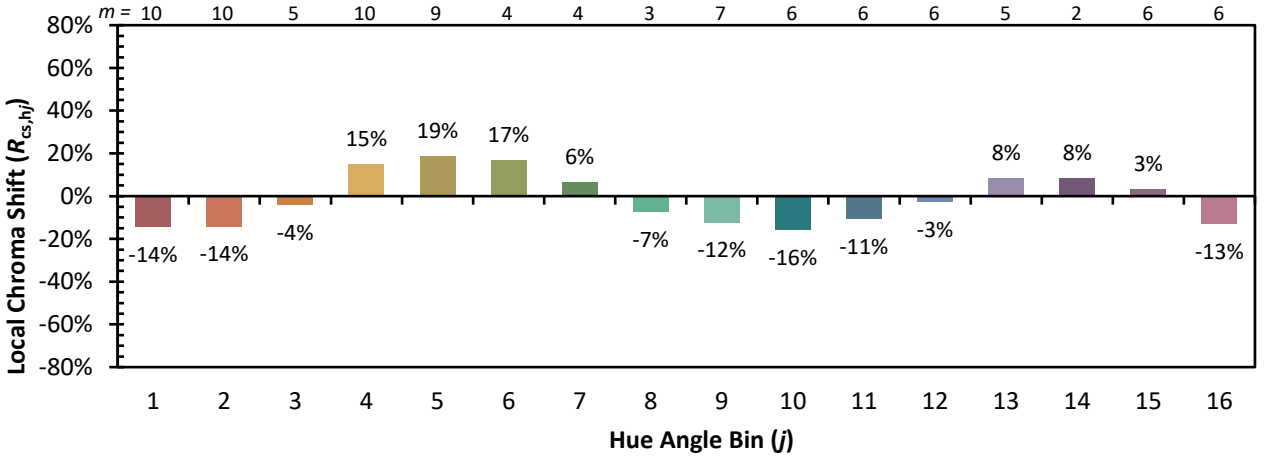
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

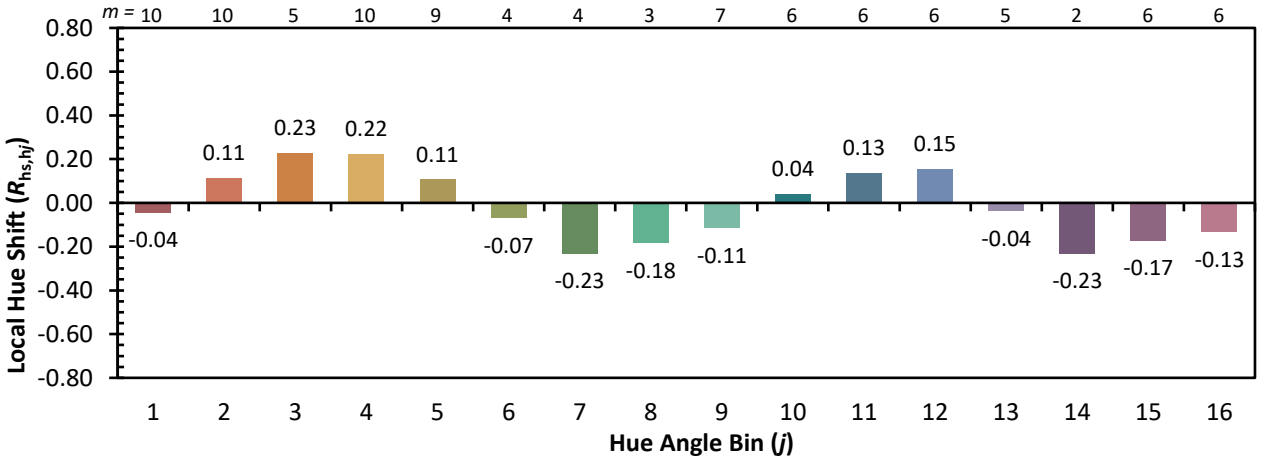


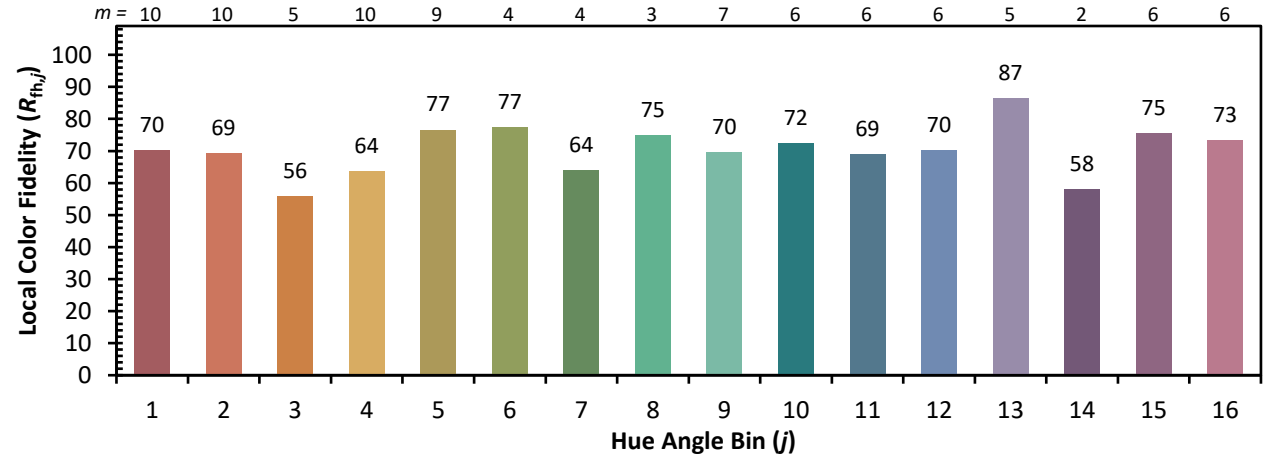
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



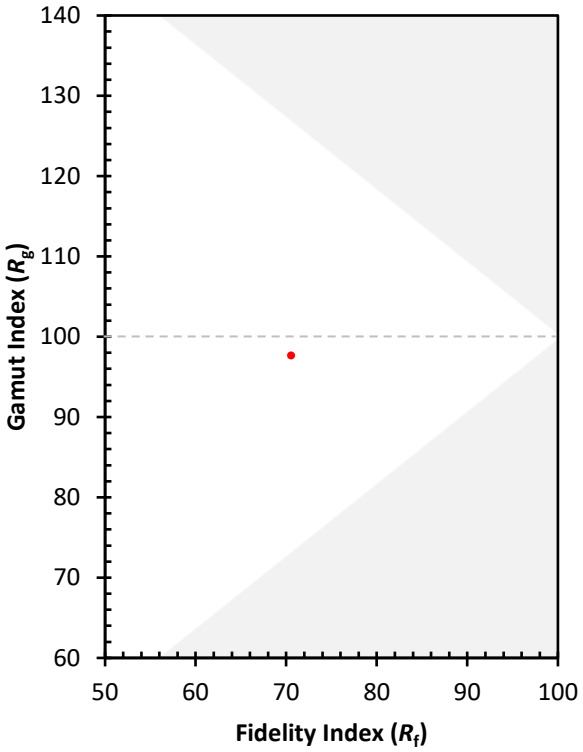


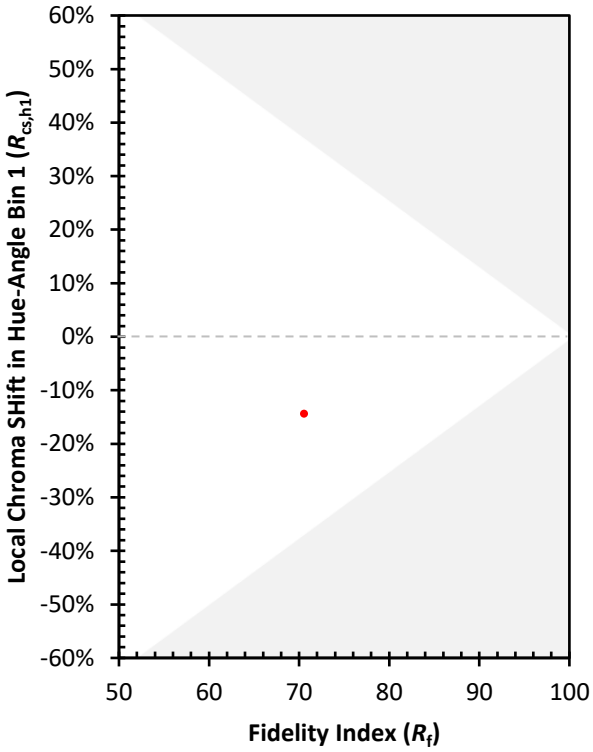


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)