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

Scaled data based on original data using

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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641961

Luminaire Tested: GWS-SA6B-830-U-T3-W-GRSBK

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P641961
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-T3-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10386.1 lumens
Efficiency:	N/A
Efficacy:	74.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

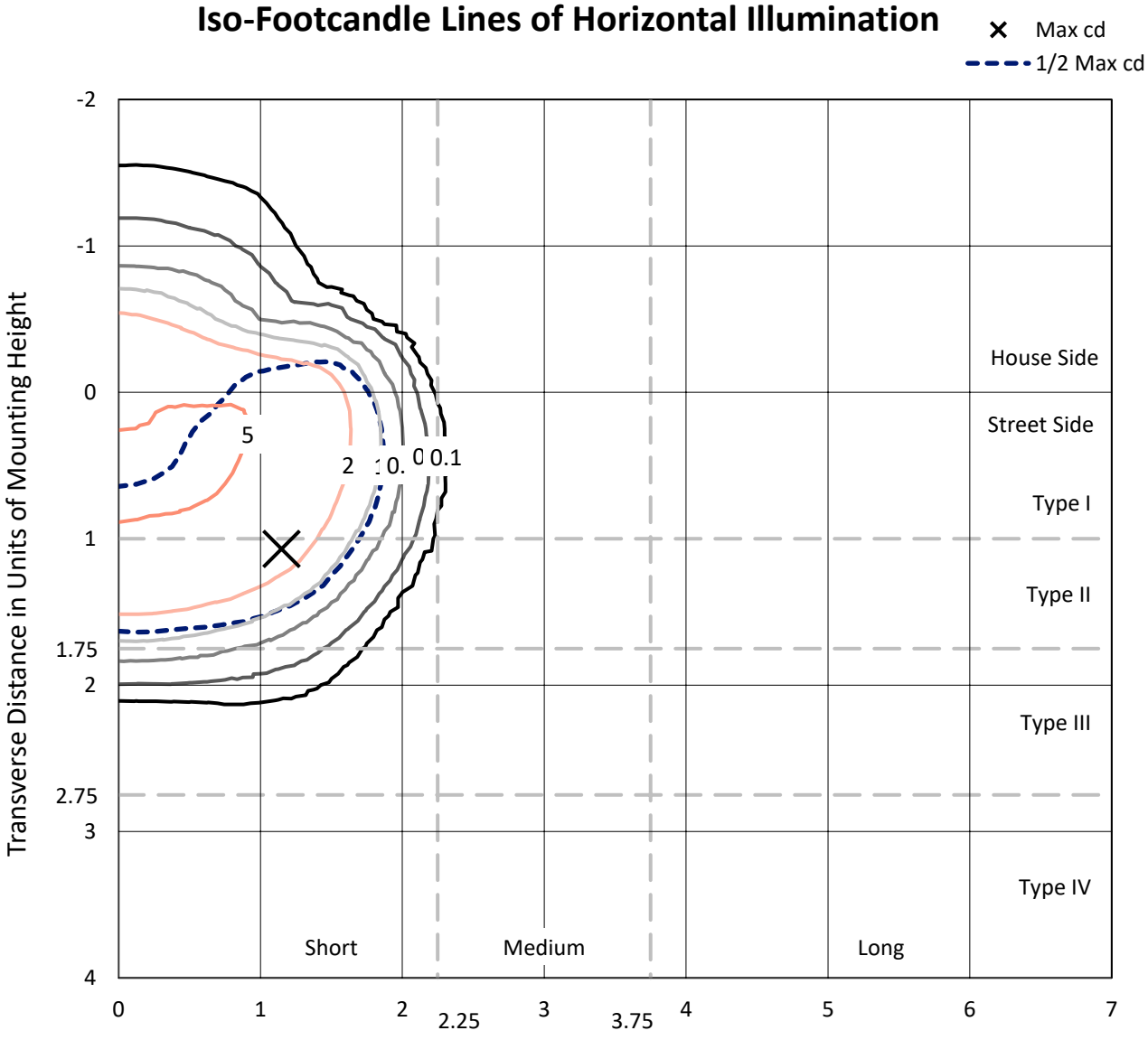
Input Watts (W):	138.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P641961
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



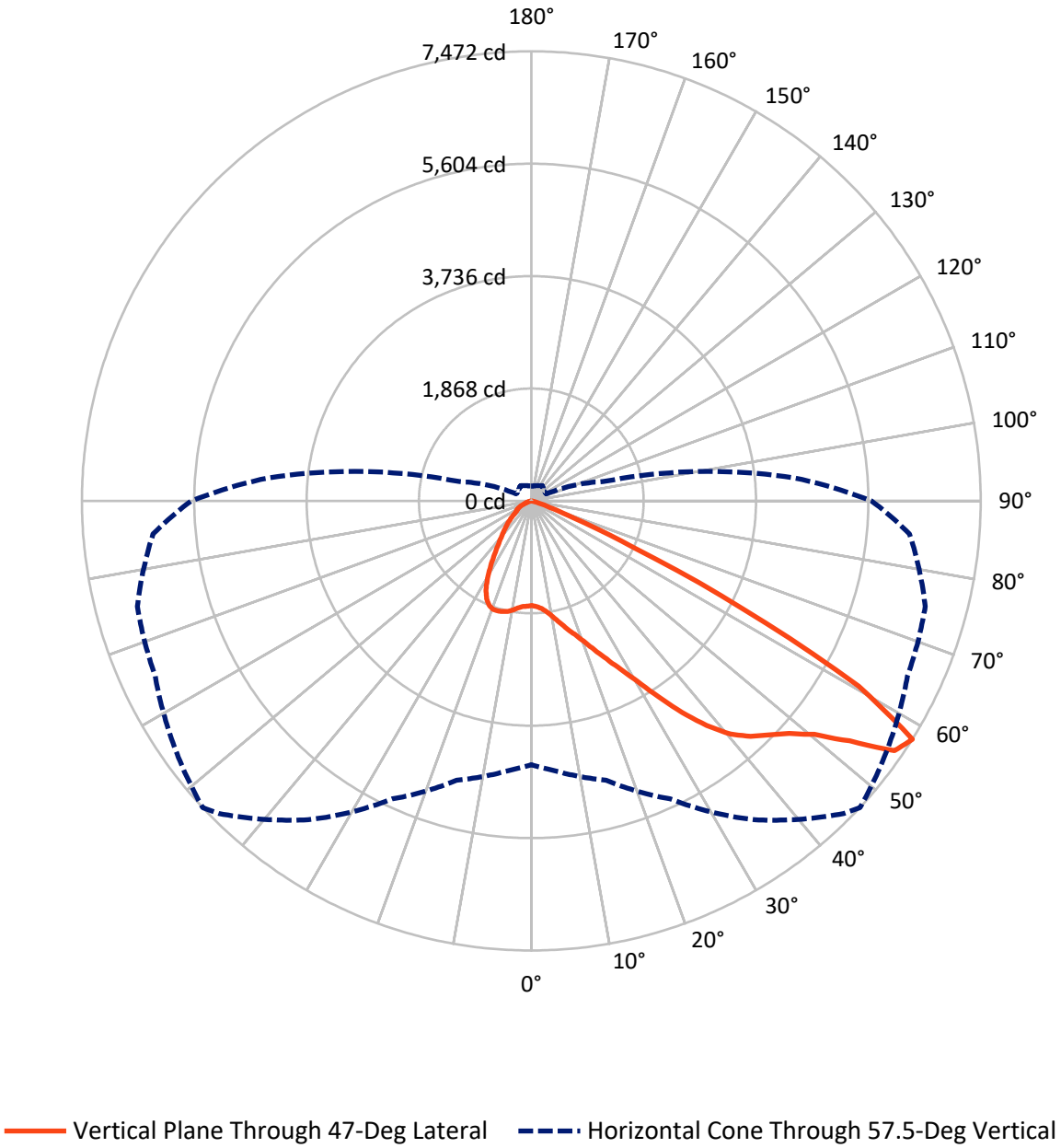
Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
Type II - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P641961
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSBK

Luminous Intensity Polar Plot



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

Scaled Data Report

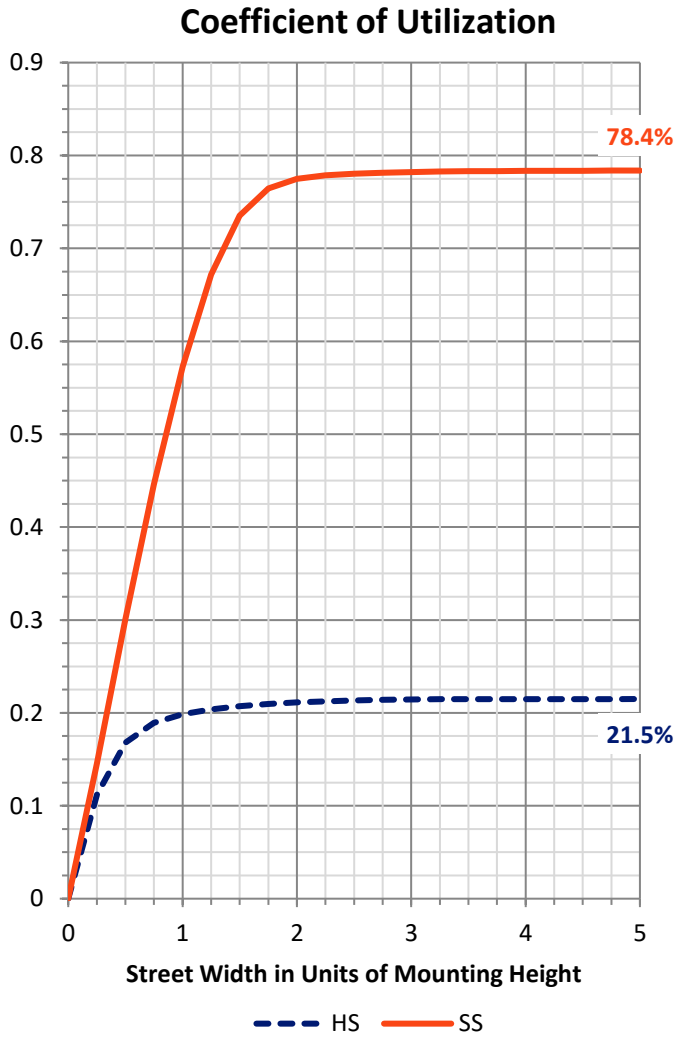
REPORT NUMBER: P641961
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2253.3	0.0	2253.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	8132.8	0.0	8132.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	10386.1	0.0	10386.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	1.7
10°-20°	583.7	5.6
20°-30°	1083.7	10.4
30°-40°	1734.8	16.7
40°-50°	2535.9	24.4
50°-60°	3129.8	30.1
60°-70°	1045.8	10.1
70°-80°	97.4	0.9
80°-90°	2.0	0.0
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°	10386.1	100.0
0°-180°	10386.1	100.0



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

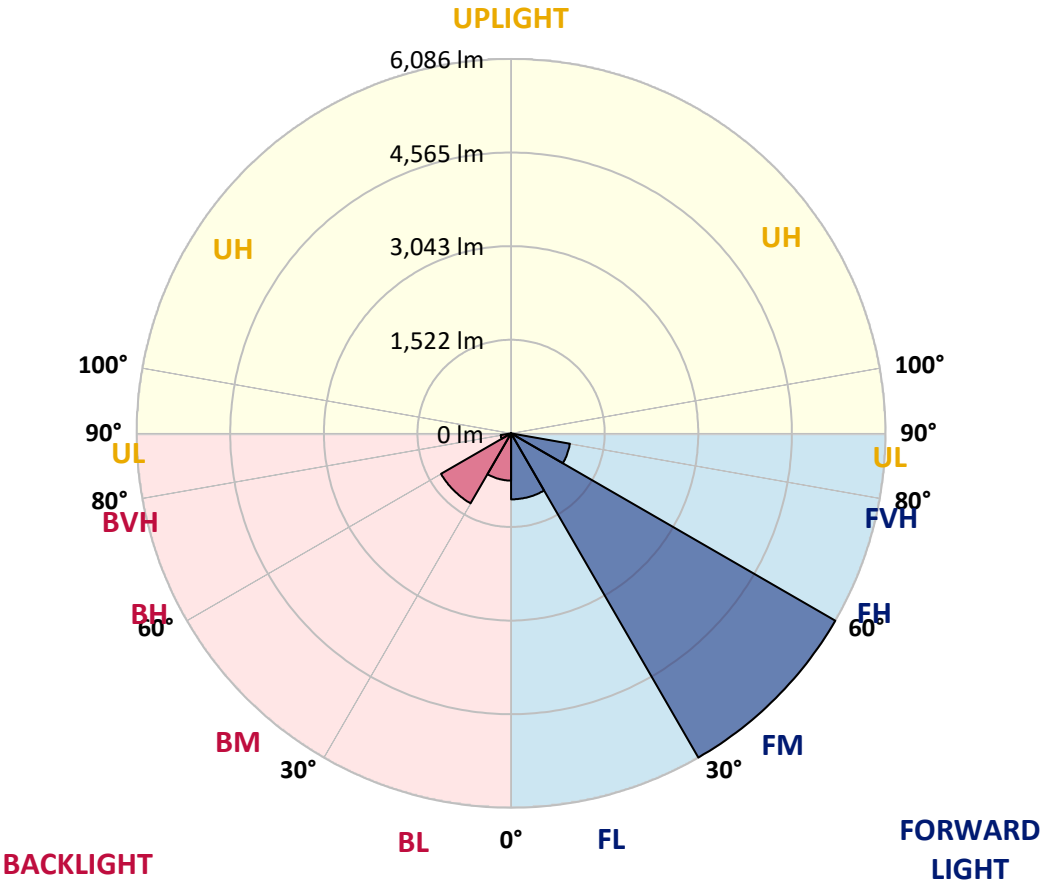
Scaled Data Report

REPORT NUMBER: P641961
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1073.4	10.3			
FM	(30°-60°)	6086.2	58.6			
FH	(60°-80°)	971.9	9.4			G1/1800
FVH	(80°-90°)	1.4	0.0			G0/10
BL	(0°-30°)	767.0	7.4	B2/1000		
BM	(30°-60°)	1314.3	12.7	B2/2500		
BH	(60°-80°)	171.3	1.6	B1/500		G1/500
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type II Short



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

Scaled Data Report

REPORT NUMBER: P641961
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6
2.5°	1756.7	1755.5	1754.3	1761.6	1759.1	1757.9	1760.3	1760.3	1760.3	1753.1	1738.6
5°	1798.9	1798.9	1797.7	1805.0	1798.9	1795.3	1796.5	1796.5	1791.7	1778.4	1760.3
7.5°	1865.2	1862.8	1860.4	1867.7	1861.6	1860.4	1862.8	1855.6	1847.2	1825.5	1800.1
10°	1960.5	1960.5	1956.9	1964.1	1959.3	1956.9	1956.9	1952.1	1936.4	1902.6	1865.2
12.5°	2091.9	2085.9	2077.5	2071.4	2069.0	2067.8	2069.0	2061.8	2044.9	2001.5	1949.6
15°	2235.4	2230.6	2217.3	2207.7	2194.4	2192.0	2199.2	2193.2	2176.3	2117.2	2043.7
17.5°	2416.3	2422.3	2388.5	2368.0	2329.4	2327.0	2329.4	2339.1	2327.0	2251.1	2143.8
20°	2570.6	2575.4	2550.1	2535.6	2500.7	2485.0	2489.8	2505.5	2492.2	2403.0	2253.5
22.5°	2735.8	2741.8	2715.3	2685.1	2669.5	2669.5	2687.5	2709.2	2691.2	2574.2	2378.9
25°	2933.5	2938.3	2916.6	2876.8	2849.1	2884.1	2910.6	2968.5	2938.3	2779.2	2527.2
27.5°	3160.2	3161.4	3130.0	3089.0	3074.6	3139.7	3166.2	3255.4	3243.4	3009.5	2683.9
30°	3402.5	3403.7	3396.5	3368.8	3355.5	3441.1	3477.3	3606.3	3597.9	3295.2	2897.3
32.5°	3654.5	3654.5	3667.8	3665.4	3681.1	3820.9	3878.8	4025.9	4017.4	3644.9	3162.6
35°	3907.7	3908.9	3931.8	3989.7	4054.8	4240.5	4316.5	4494.9	4475.6	4063.3	3501.4
37.5°	4195.9	4183.8	4215.2	4302.0	4446.7	4661.3	4733.6	4903.7	4881.9	4491.3	3943.9
40°	4543.1	4521.4	4521.4	4622.7	4786.7	5033.9	5095.4	5179.8	5106.2	4837.3	4378.0
42.5°	4926.6	4906.1	4879.5	4968.8	5106.2	5299.1	5349.8	5326.9	5266.6	5164.1	4872.3
45°	5314.8	5283.5	5301.5	5355.8	5435.4	5527.0	5546.3	5440.2	5412.5	5441.4	5281.0
47.5°	5610.2	5588.5	5633.1	5709.1	5774.2	5787.4	5774.2	5627.1	5624.7	5727.2	5564.4
50°	5709.1	5711.5	5834.5	6000.9	6105.8	6116.6	6098.5	5929.7	5906.8	5937.0	5717.5
52.5°	5718.7	5728.4	5908.0	6225.1	6510.9	6641.1	6626.6	6444.6	6220.3	6187.7	5949.0
55°	5486.0	5542.7	5793.5	6256.5	6864.1	7280.1	7328.3	6979.9	6647.1	6619.4	6447.0
57.5°	4385.2	4500.9	4803.6	5463.1	6469.9	7346.4	7471.8	7221.0	6899.1	6781.0	6313.1
60°	2621.2	2764.7	3055.3	3864.3	4924.1	6038.2	6254.1	6289.0	6140.7	5799.5	4843.4
62.5°	1124.9	1112.9	1471.0	2090.7	2928.7	3837.8	3935.5	4087.4	4216.4	3859.5	2939.5
65°	385.8	419.6	583.6	942.9	1466.2	1782.1	1868.9	2005.1	2188.4	1806.2	1076.7
67.5°	238.7	253.2	336.4	557.0	791.0	778.9	740.3	718.6	699.3	478.7	295.4
70°	173.6	185.7	236.3	383.4	531.7	373.8	324.3	262.8	291.8	268.9	209.8
72.5°	117.0	126.6	162.8	232.7	272.5	182.1	168.8	191.7	231.5	220.6	171.2
75°	69.9	76.0	92.8	113.3	110.9	94.0	95.3	135.0	177.2	165.2	121.8
77.5°	48.2	50.6	61.5	73.5	54.3	28.9	26.5	37.4	60.3	60.3	41.0
80°	12.1	15.7	15.7	9.6	8.4	7.2	7.2	10.9	16.9	12.1	6.0
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
85°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
87.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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: P641961
CATALOG NUMBER: GWS-SA6B-830-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6
2.5°	1747.1	1732.6	1742.3	1739.9	1747.1	1749.5	1738.6	1736.2	1737.4	1723.0	1718.1
5°	1764.0	1747.1	1751.9	1747.1	1755.5	1762.8	1759.1	1764.0	1770.0	1759.1	1754.3
7.5°	1800.1	1783.3	1782.1	1774.8	1786.9	1791.7	1790.5	1803.8	1815.8	1808.6	1801.3
10°	1862.8	1839.9	1837.5	1831.5	1835.1	1838.7	1825.5	1827.9	1838.7	1830.3	1826.7
12.5°	1940.0	1912.3	1906.2	1891.8	1891.8	1873.7	1844.7	1838.7	1847.2	1841.1	1835.1
15°	2023.2	1985.8	1976.2	1950.9	1926.7	1893.0	1862.8	1855.6	1861.6	1854.4	1849.6
17.5°	2116.0	2073.8	2042.5	1997.9	1944.8	1905.0	1871.3	1855.6	1846.0	1831.5	1830.3
20°	2207.7	2152.2	2099.2	2028.0	1958.1	1897.8	1842.3	1801.3	1766.4	1744.7	1736.2
22.5°	2313.8	2231.8	2146.2	2046.1	1946.0	1854.4	1756.7	1686.8	1626.5	1606.0	1596.4
25°	2427.1	2321.0	2193.2	2063.0	1905.0	1757.9	1625.3	1521.6	1442.0	1415.5	1404.7
27.5°	2552.5	2406.6	2241.4	2059.4	1820.6	1620.5	1444.4	1315.4	1237.1	1213.0	1221.4
30°	2711.7	2517.5	2301.7	2022.0	1694.0	1427.6	1221.4	1112.9	1053.8	1030.9	1032.1
32.5°	2923.9	2676.7	2389.7	1942.4	1531.3	1208.1	1027.3	947.7	907.9	877.8	875.4
35°	3227.7	2919.0	2471.7	1814.6	1333.5	1012.8	881.4	818.7	763.2	728.3	734.3
37.5°	3591.8	3224.1	2516.3	1642.2	1111.7	860.9	771.7	707.8	645.1	593.2	599.2
40°	4023.5	3623.2	2512.7	1415.5	909.1	757.2	680.0	605.3	526.9	479.9	484.7
42.5°	4504.6	4000.6	2434.3	1175.6	753.6	672.8	592.0	498.0	422.0	393.1	394.3
45°	4921.7	4306.8	2296.9	927.2	634.2	590.8	500.4	403.9	370.2	349.7	348.5
47.5°	5230.4	4531.1	2100.4	729.5	537.7	516.0	411.1	361.7	335.2	318.3	315.9
50°	5402.8	4609.5	1883.3	571.5	454.6	437.7	367.7	328.0	309.9	299.0	296.6
52.5°	5634.3	4703.5	1727.8	450.9	381.0	358.1	338.8	305.0	293.0	284.5	280.9
55°	6000.9	4885.6	1592.8	358.1	317.1	312.3	319.5	291.8	284.5	271.3	266.5
57.5°	*5656.0*	*4388.8*	*1237.1*	*277.3*	*267.7*	*285.8*	*308.7*	*278.5*	*260.4*	*248.4*	*243.6*
60°	3980.1	2917.8	622.2	223.1	238.7	267.7	290.6	252.0	233.9	236.3	233.9
62.5°	2194.4	1460.1	279.7	186.9	207.4	236.3	248.4	218.2	206.2	226.7	230.3
65°	717.4	496.8	161.6	144.7	164.0	192.9	214.6	207.4	205.0	229.1	236.3
67.5°	220.6	164.0	109.7	103.7	113.3	142.3	180.9	224.3	241.1	248.4	252.0
70°	165.2	129.0	94.0	88.0	92.8	108.5	153.1	186.9	176.0	177.2	174.8
72.5°	132.6	102.5	80.8	77.2	77.2	74.8	80.8	101.3	114.5	120.6	120.6
75°	92.8	72.3	61.5	56.7	44.6	36.2	32.6	32.6	28.9	27.7	26.5
77.5°	31.3	26.5	24.1	19.3	13.3	10.9	9.6	8.4	6.0	3.6	2.4
80°	4.8	3.6	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
82.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0	0.0	0.0
85°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0
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: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

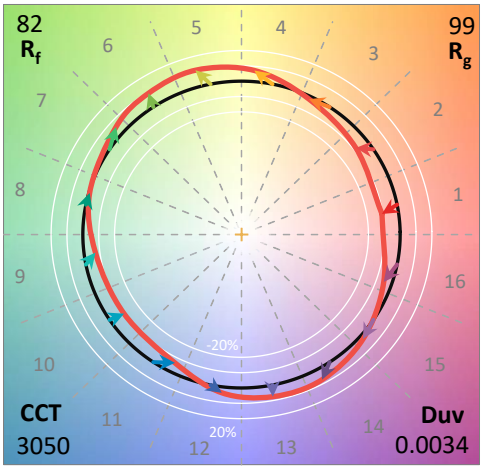
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

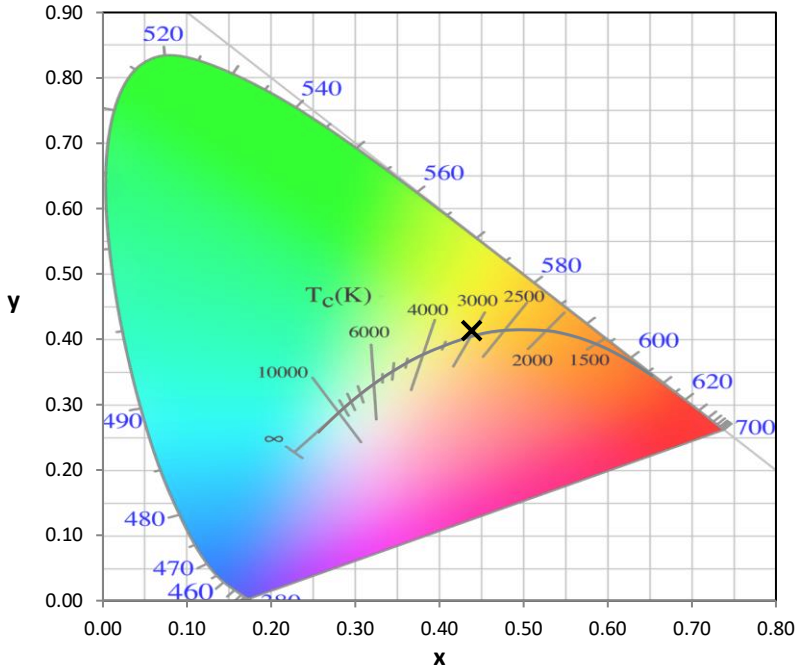
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

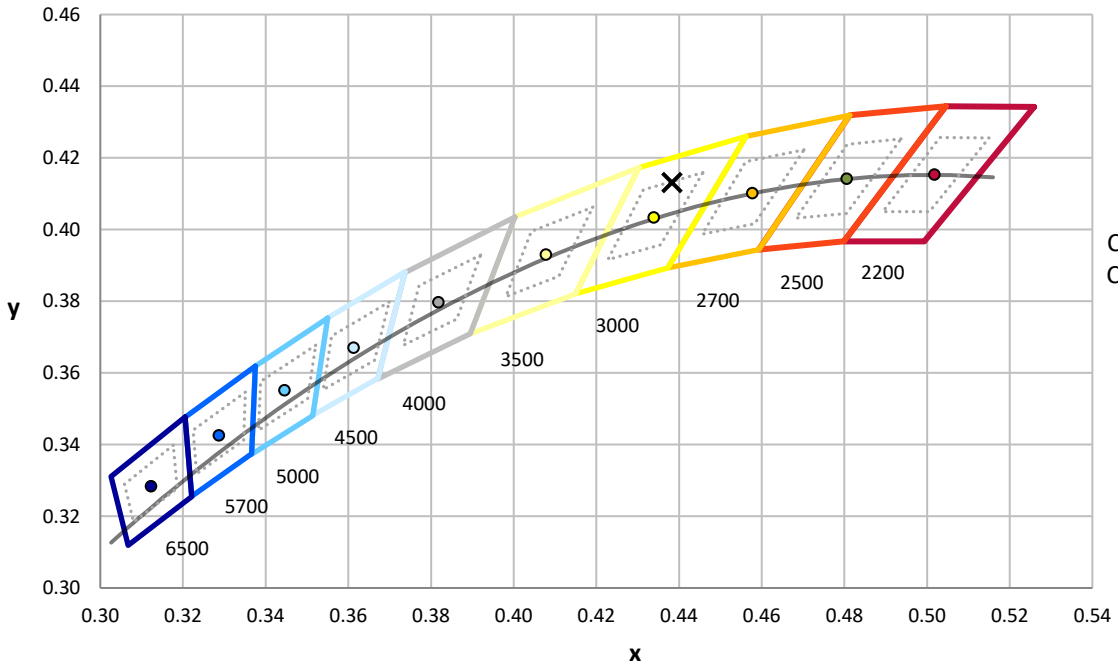
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

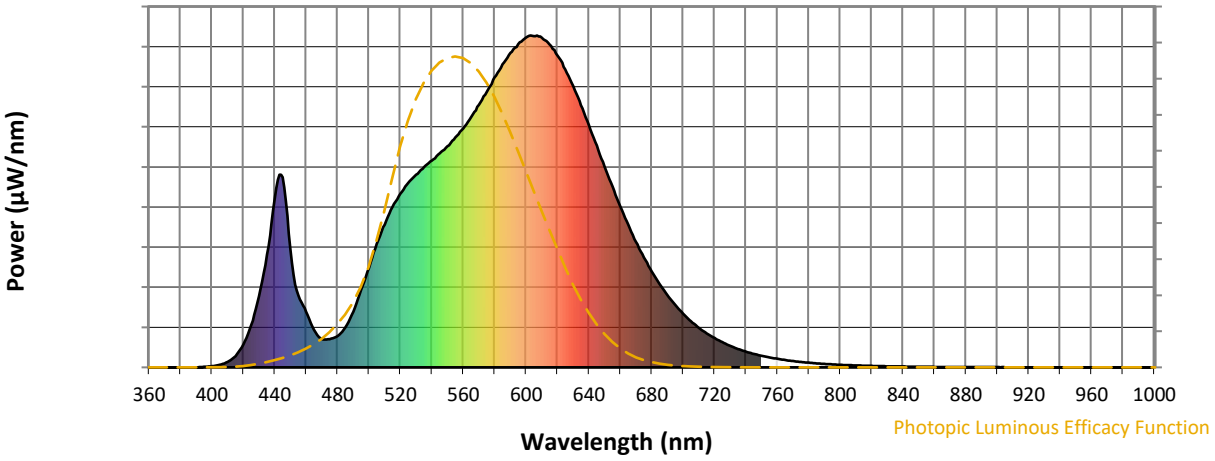


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

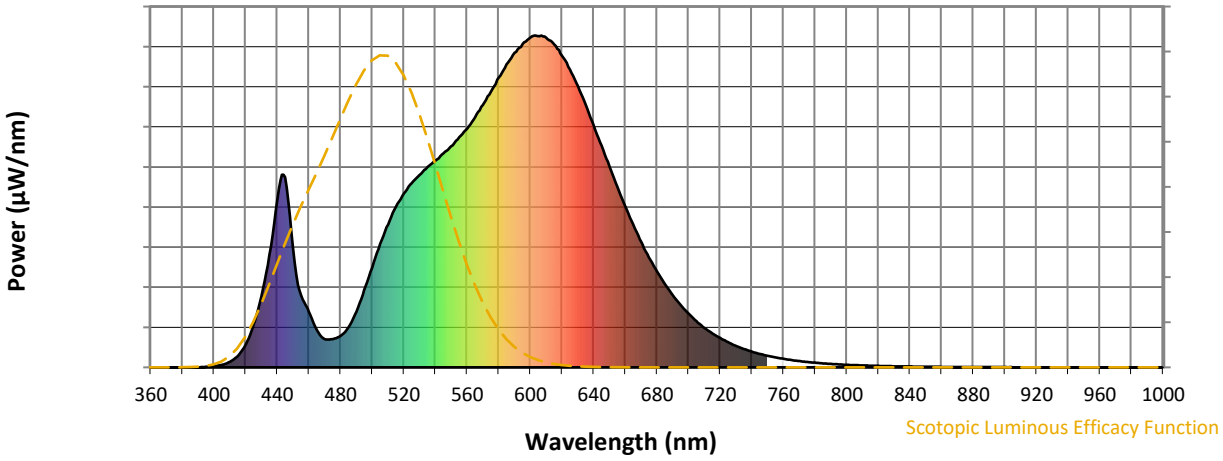


Photopic Lumens: NR

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

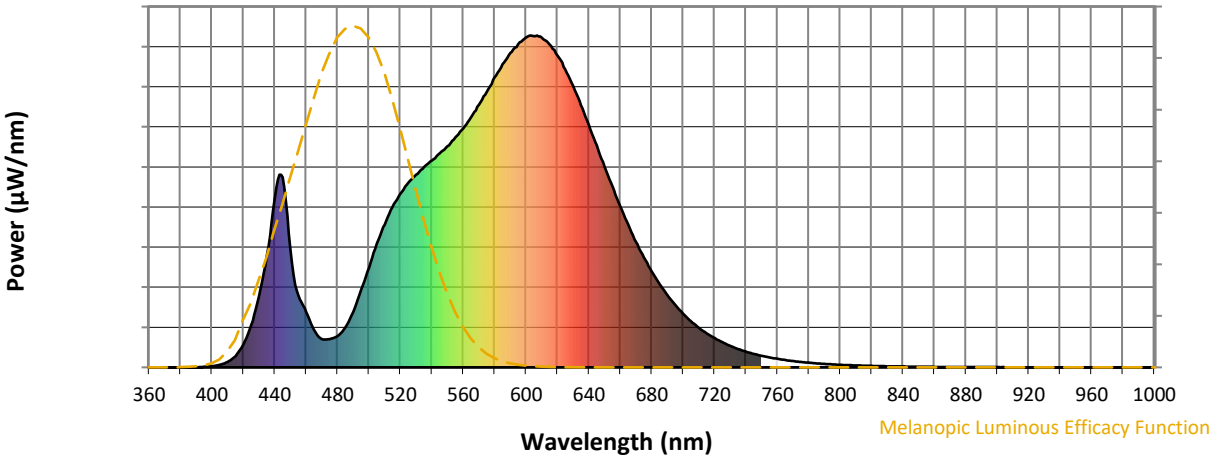


Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

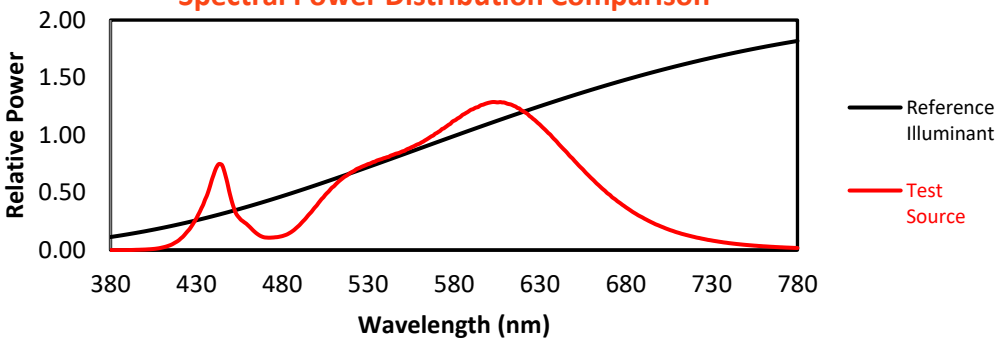
REPORT NUMBER: SP1-2408-195-9

TM-30-18

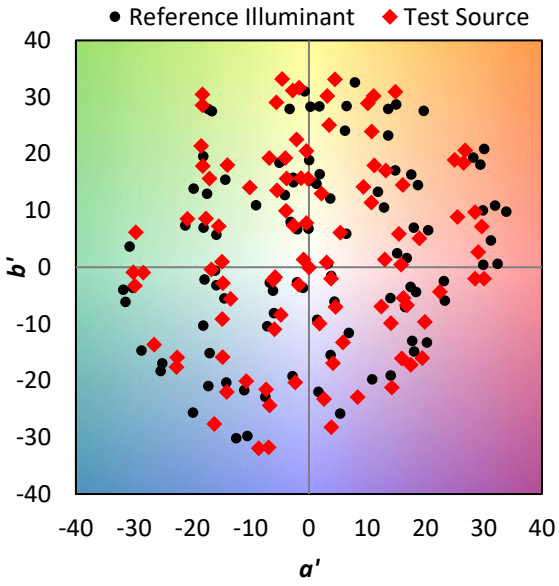
Summary

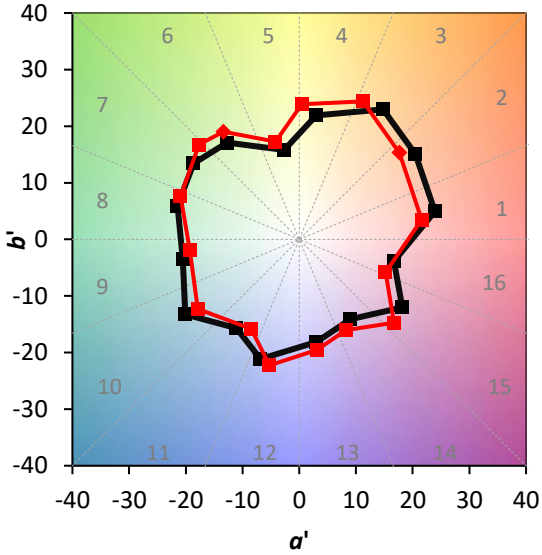
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

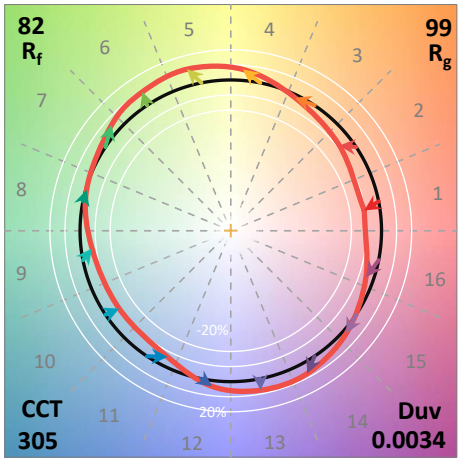
Spectral Power Distribution Comparison

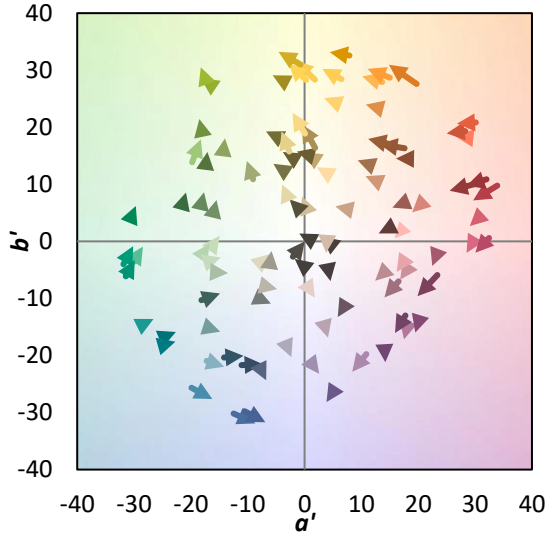


Color Vector Graphics







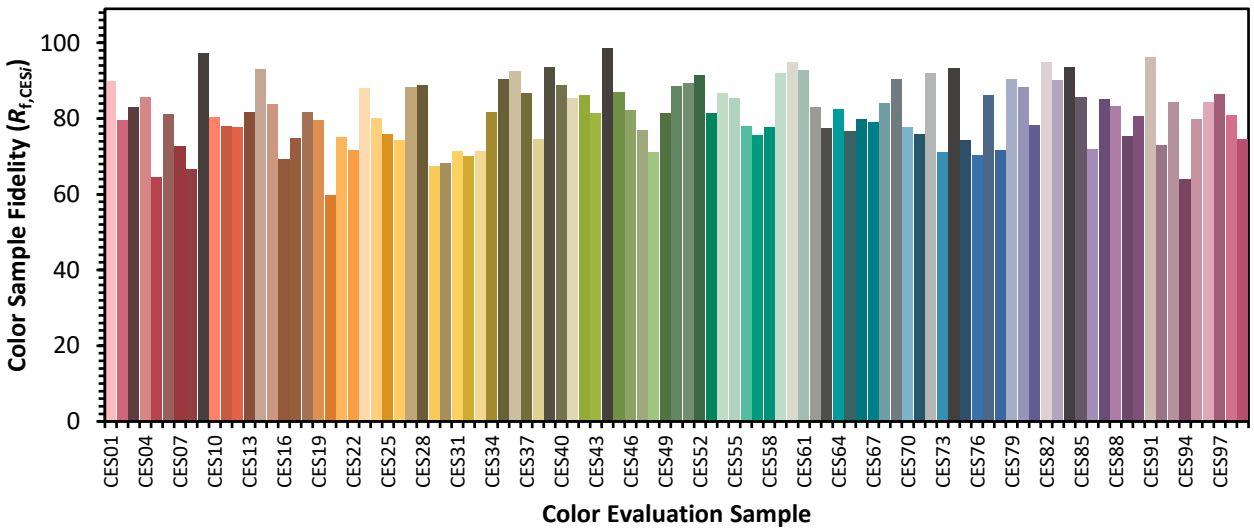


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

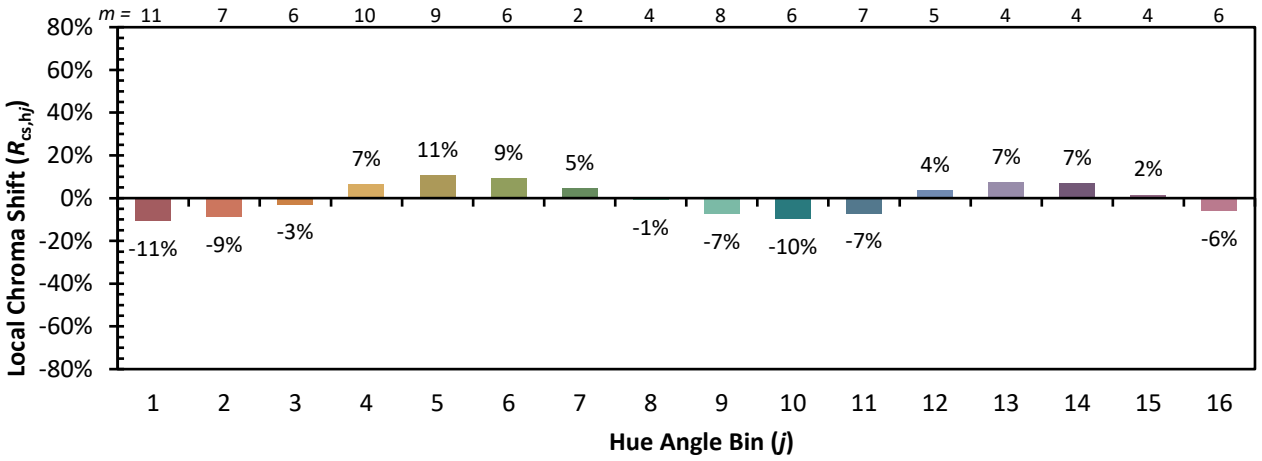
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

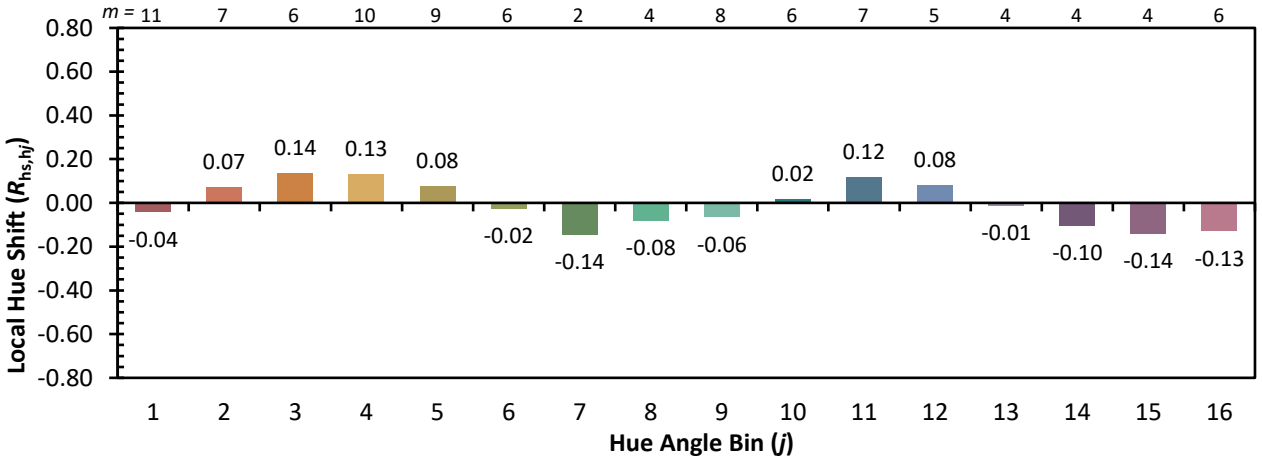


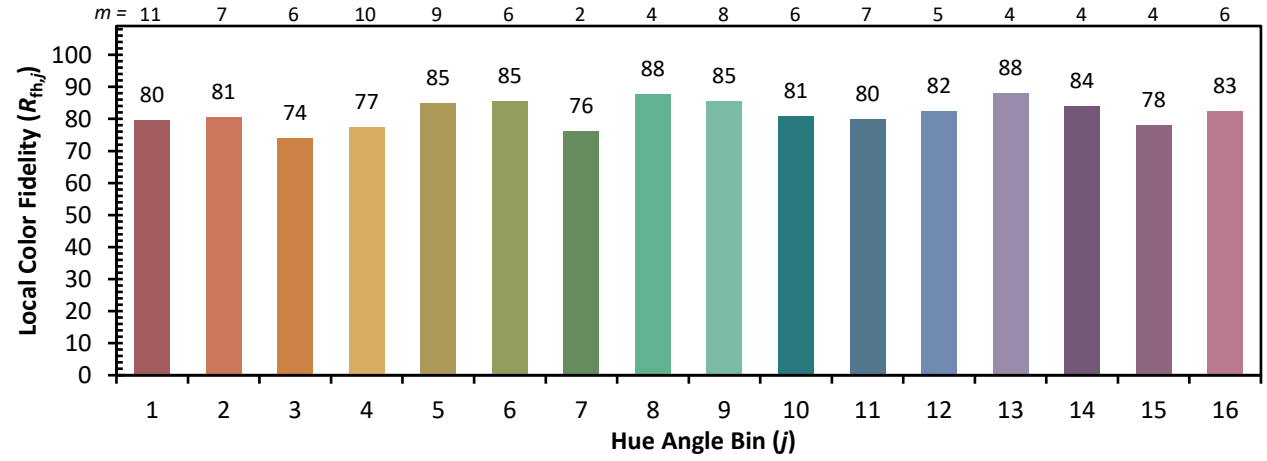
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



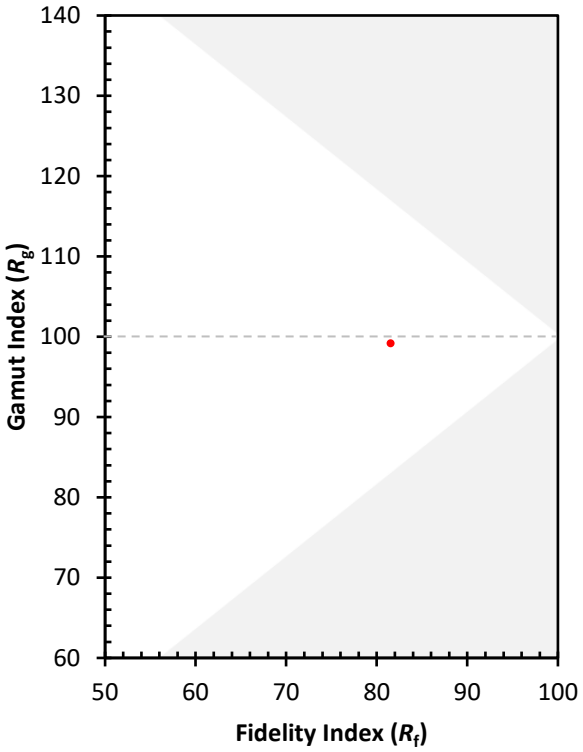


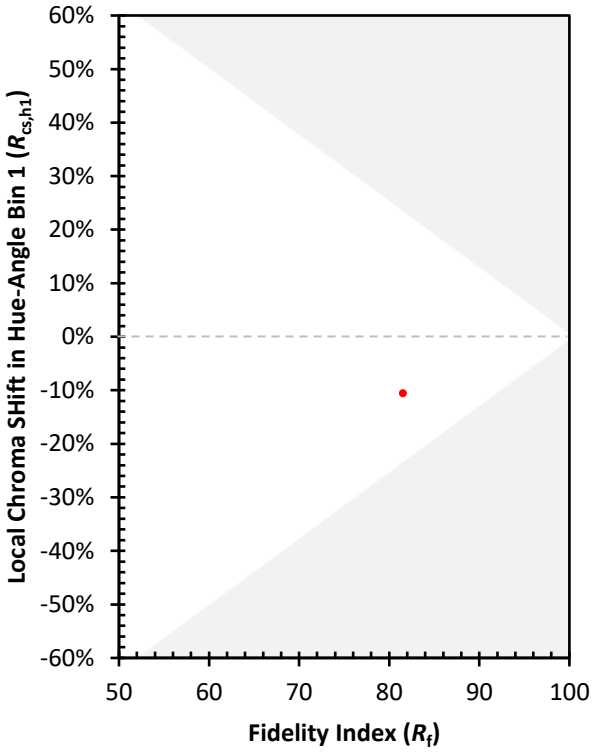


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)