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: P635026

Luminaire Tested: GWS-SA3C-830-U-T2-W

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:	P635026
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA3C-830-U-T2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	(48) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10994.3 lumens
Efficiency:	N/A
Efficacy:	118.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	93
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

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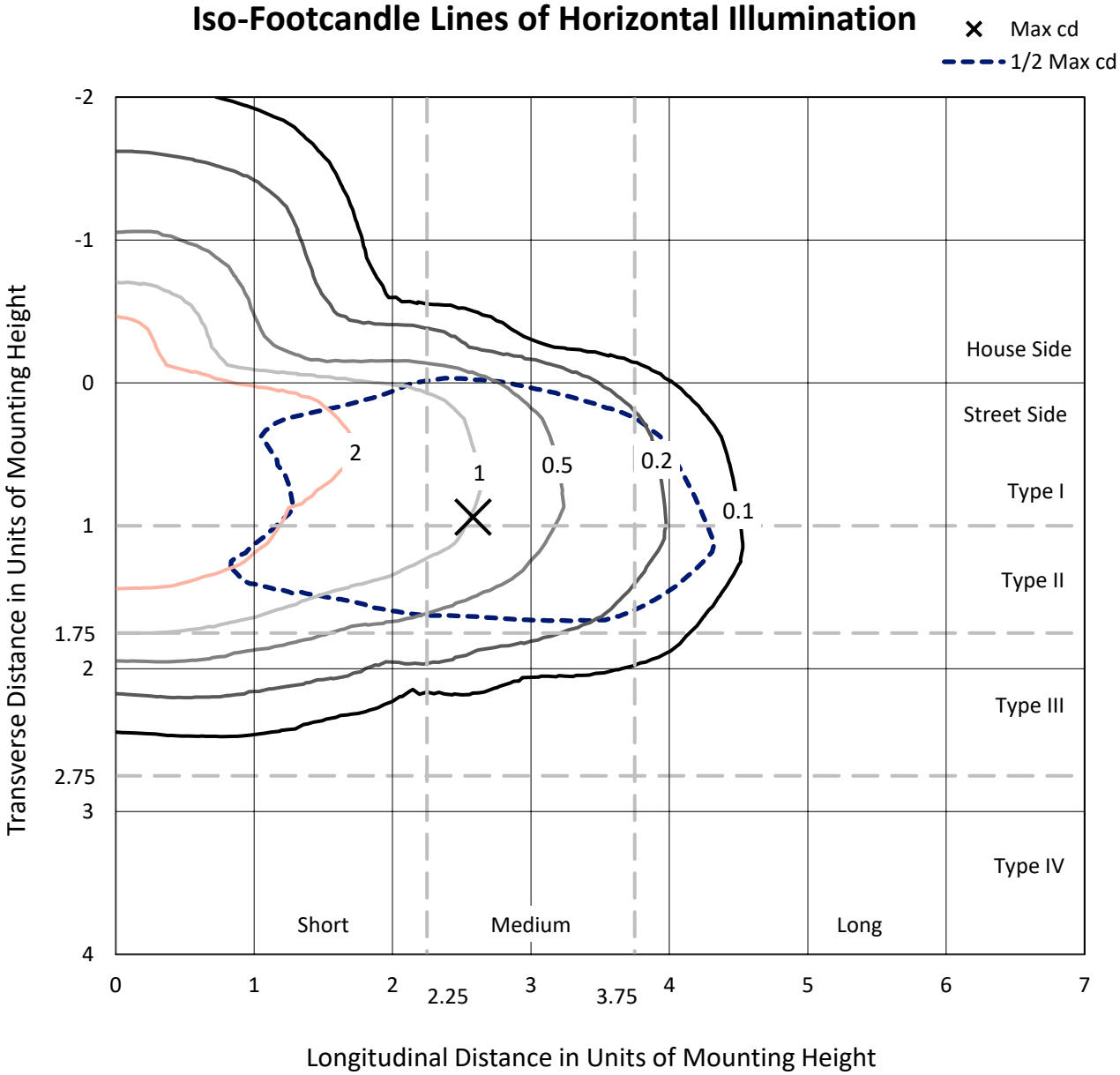
Scaled Data Report

REPORT NUMBER: P635026
CATALOG NUMBER: GWS-SA3C-830-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
Type II - Medium - N/A

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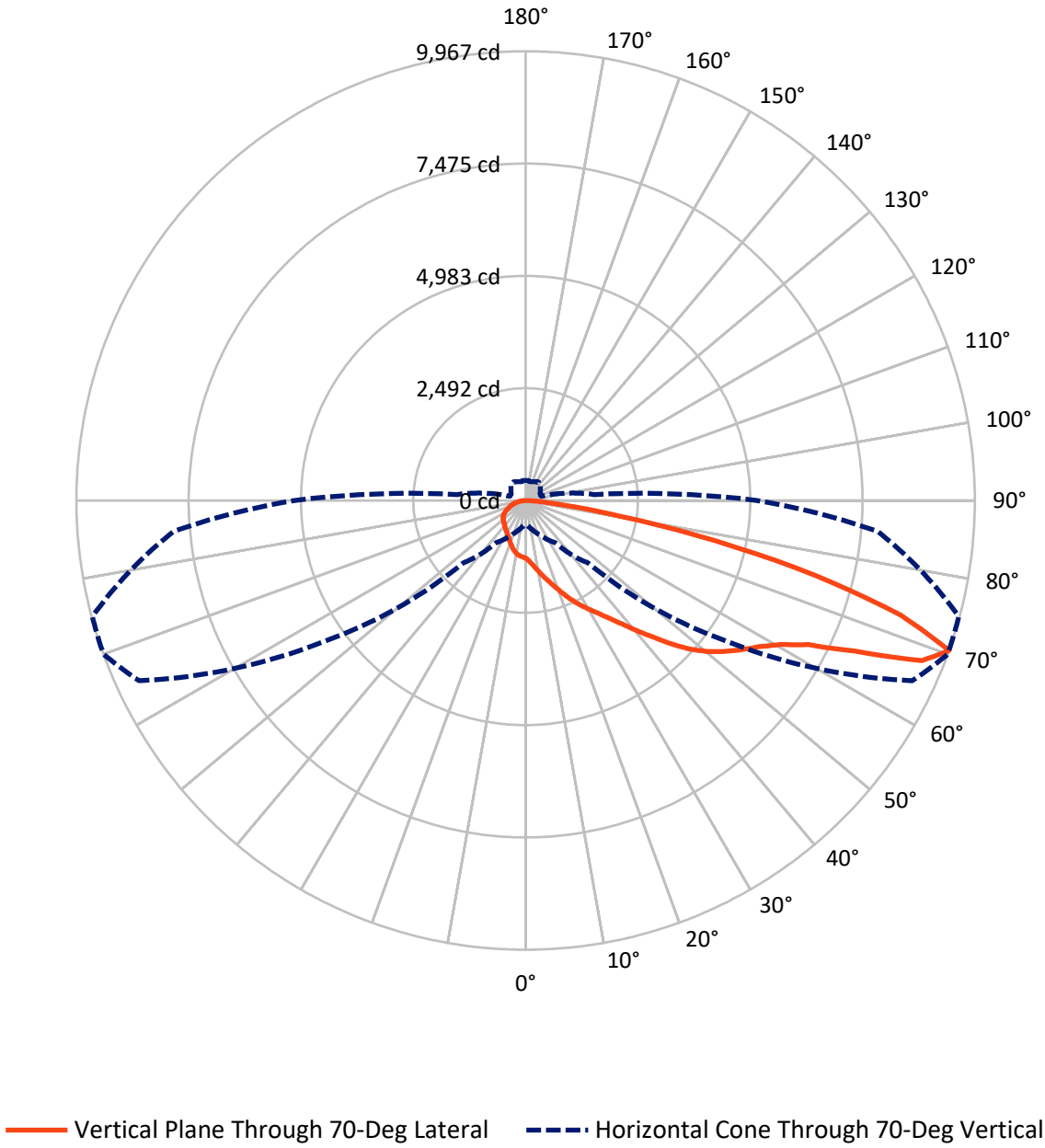
CATALOG NUMBER: GWS-SA3C-830-U-T2-W

Luminous Intensity Polar Plot



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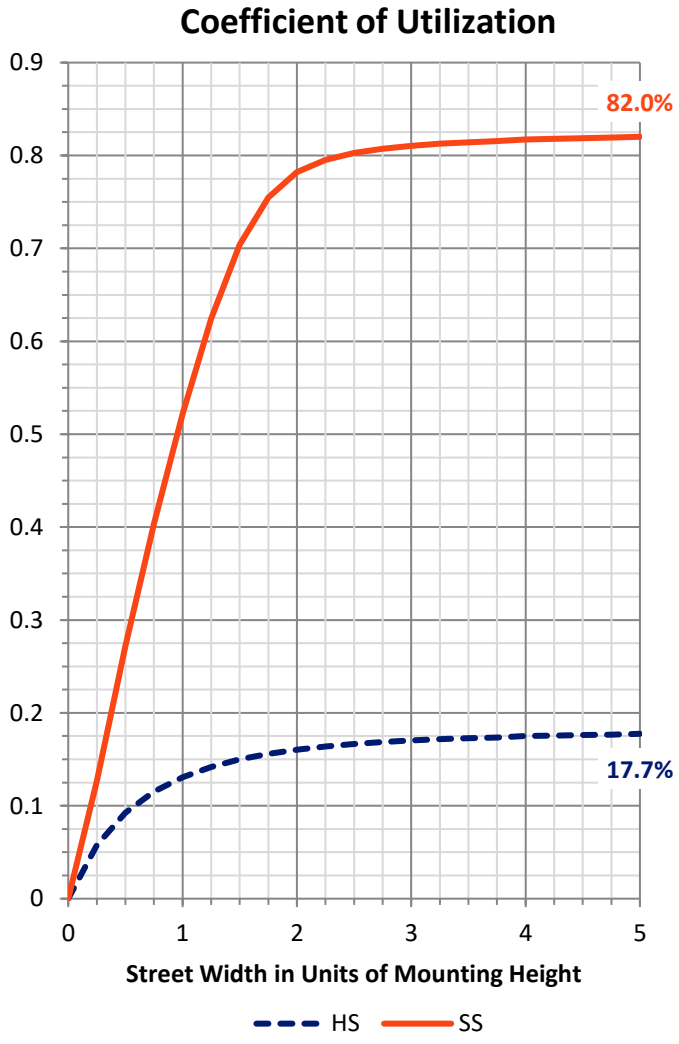
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1970.2	0.0	1970.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	9024.1	0.0	9024.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	10994.3	0.0	10994.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	1.2
10°-20°	423.9	3.9
20°-30°	751.0	6.8
30°-40°	1130.3	10.3
40°-50°	1709.9	15.6
50°-60°	2449.6	22.3
60°-70°	2707.8	24.6
70°-80°	1528.1	13.9
80°-90°	163.4	1.5
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°	10994.3	100.0
0°-180°	10994.3	100.0



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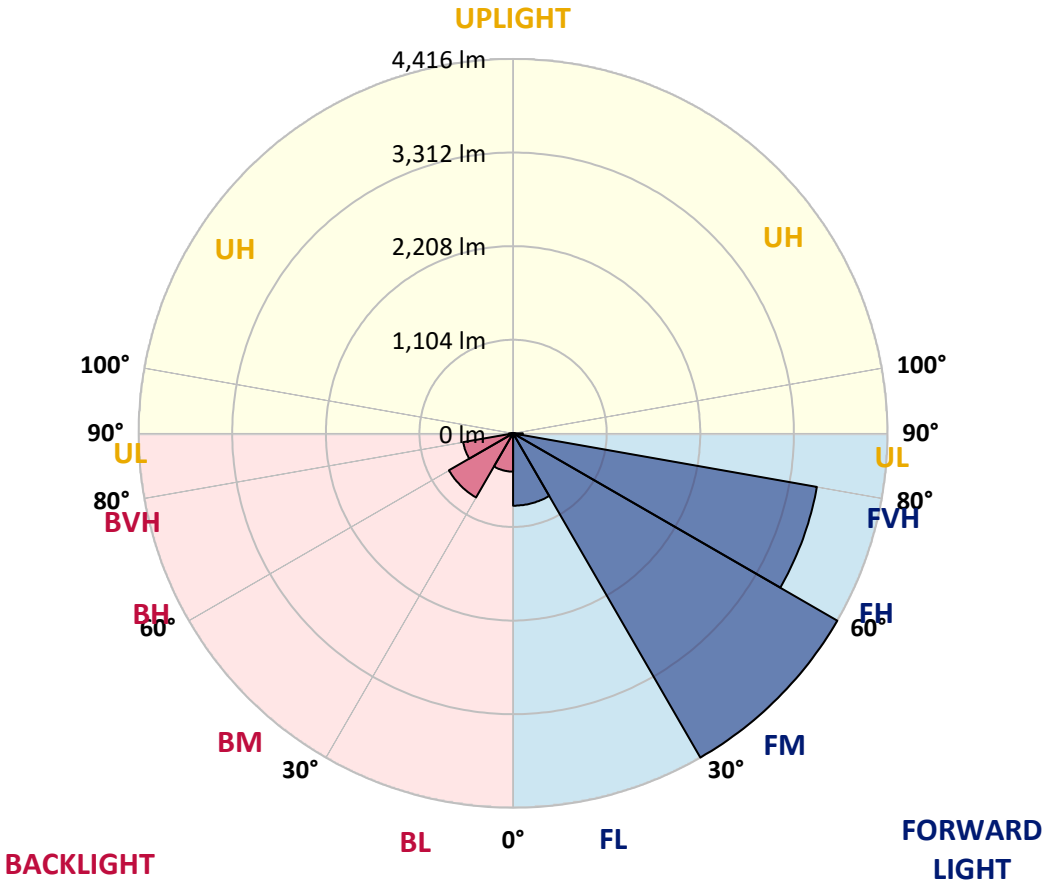
REPORT NUMBER: P635026
CATALOG NUMBER: GWS-SA3C-830-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	853.5	7.8			
FM	(30°-60°)	4416.4	40.2			
FH	(60°-80°)	3638.7	33.1			G2/5000
FVH	(80°-90°)	115.5	1.1			G2/225
BL	(0°-30°)	451.7	4.1	B1/500		
BM	(30°-60°)	873.4	7.9	B1/1000		
BH	(60°-80°)	597.2	5.4	B2/1000		G2/1000
BVH	(80°-90°)	47.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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REPORT NUMBER: P635026
CATALOG NUMBER: GWS-SA3C-830-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	*1282.2*	1282.2	1282.2
2.5°	1420.4	1418.0	1419.6	1418.0	1409.3	1387.8	1370.3	1348.1	*1333.0*	1324.3	1303.6
5°	1587.2	1584.8	1579.3	1571.3	1555.4	1526.0	1482.4	1433.9	*1404.5*	1382.3	1338.6
7.5°	1707.2	1707.2	1706.4	1696.8	1685.7	1654.7	1603.1	1539.5	*1496.7*	1458.5	1387.0
10°	1768.3	1772.3	1777.9	1791.4	1789.0	1772.3	1723.8	1655.5	*1601.5*	1557.0	1450.6
12.5°	1801.7	1804.1	1813.6	1841.4	1870.0	1874.0	1845.4	1773.9	*1715.1*	1655.5	1521.3
15°	1844.6	1845.4	1858.1	1891.5	1933.6	1975.7	1968.5	1897.0	*1836.7*	1770.7	1599.9
17.5°	1878.0	1883.5	1906.6	1945.5	1997.9	2055.9	2090.9	2046.4	*1971.7*	1896.2	1685.7
20°	1889.9	1893.9	1924.0	1983.6	2055.1	2136.9	2214.8	2202.9	*2127.4*	2038.4	1782.6
22.5°	1932.8	1932.8	1955.0	2005.1	2089.3	2208.4	2334.7	2365.7	*2299.0*	2194.9	1886.7
25°	2027.3	2024.1	2034.5	2055.1	2118.7	2265.6	2453.1	2546.1	*2471.4*	2354.6	1990.8
27.5°	2156.8	2155.2	2154.4	2157.6	2179.0	2315.7	2553.2	2714.5	*2639.8*	2507.9	2083.7
30°	2297.4	2292.6	2303.0	2293.4	2288.7	2375.3	2638.2	2865.4	*2807.4*	2659.7	2160.8
32.5°	2488.9	2480.1	2477.7	2446.8	2427.7	2468.2	2706.5	3037.0	*2990.9*	2823.3	2247.4
35°	2741.5	2733.5	2693.0	2643.8	2587.4	2606.4	2791.5	3204.6	*3207.8*	3028.3	2361.0
37.5°	2996.5	2998.1	2966.3	2850.3	2792.3	2781.2	2921.0	3408.8	*3477.1*	3272.9	2507.9
40°	3208.6	3218.1	3218.1	3095.8	3009.2	2998.9	3102.9	3651.1	*3786.9*	3573.2	2693.8
42.5°	3369.8	3378.6	3406.4	3318.2	3226.9	3262.6	3323.8	3894.2	*4138.0*	3944.2	2929.0
45°	3547.0	3554.1	3569.2	3518.4	3465.2	3560.5	3574.0	4184.9	*4540.0*	4360.5	3202.2
47.5°	3782.1	3775.8	3777.4	3740.0	3698.7	3852.8	3849.7	4429.6	*4928.5*	4816.5	3498.5
50°	4074.5	4086.4	4075.3	4001.4	3952.9	4093.5	4111.8	4700.5	*5270.1*	5267.7	3797.2
52.5°	4355.7	4360.5	4419.3	4422.4	4323.1	4293.7	4341.4	4973.7	*5558.4*	5680.8	4084.0
55°	4370.0	4388.3	4564.6	4691.7	4852.2	4616.3	4573.4	5234.3	*5837.3*	6085.1	4381.9
57.5°	4065.7	4095.1	4394.6	4668.7	5115.1	5170.0	4970.6	5571.1	*6116.1*	6483.1	4726.7
60°	3415.9	3477.1	3883.8	4303.3	4996.8	5568.0	5783.2	6028.7	*6482.3*	6889.8	5145.3
62.5°	2181.4	2205.3	2775.6	3477.9	4463.7	5529.0	6668.2	6835.0	*7040.0*	7419.7	5790.4
65°	1092.3	1168.6	1503.0	2075.8	3218.9	4872.1	7115.4	8311.8	*8060.8*	8326.9	6835.8
67.5°	741.2	765.8	935.0	1247.2	1887.5	3451.7	6838.2	9555.8	*9482.0*	9525.7	7950.4
70°	*546.5*	*562.4*	*695.9*	*883.4*	*1141.6*	*1959.8*	*5444.0*	*9462.1*	*9966.6*	*9950.7*	*7833.6*
72.5°	398.8	406.7	507.6	674.4	846.0	1013.7	3324.6	7643.7	*8700.3*	9158.6	6850.9
75°	290.0	299.5	352.7	504.4	657.8	632.3	1641.2	5521.1	*6634.8*	7516.6	5581.5
77.5°	216.1	228.0	252.6	316.2	460.8	452.8	709.4	3585.1	*4291.4*	4909.4	3390.5
80°	155.7	158.1	172.4	202.6	292.3	265.3	337.6	1869.2	*2143.3*	2348.2	1329.0
82.5°	94.5	96.9	115.2	124.7	181.1	166.8	175.6	605.3	*867.5*	920.7	496.5
85°	27.8	29.4	52.4	57.2	75.5	71.5	70.7	246.3	*293.9*	375.8	195.4
87.5°	0.0	0.0	0.0	0.0	0.8	4.8	8.7	43.7	*65.9*	91.4	47.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P635026
CATALOG NUMBER: GWS-SA3C-830-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2
2.5°	1295.7	1277.4	1267.9	1251.2	1239.3	1227.3	1215.4	1204.3	1199.5	1192.4	1194.0
5°	1318.7	1290.1	1261.5	1228.9	1201.1	1178.1	1157.4	1139.2	1131.2	1124.1	1127.3
7.5°	1353.7	1310.8	1255.9	1196.4	1152.7	1120.9	1099.5	1086.7	1082.8	1077.2	1077.2
10°	1398.1	1333.8	1237.7	1152.7	1100.2	1074.8	1065.3	1064.5	1068.5	1069.3	1067.7
12.5°	1447.4	1356.0	1210.7	1101.0	1056.6	1048.6	1055.8	1069.3	1082.8	1089.9	1088.3
15°	1498.2	1370.3	1164.6	1051.8	1024.8	1035.1	1058.1	1085.2	1111.4	1124.9	1124.1
17.5°	1545.9	1373.5	1105.0	1004.1	997.0	1023.2	1062.9	1105.0	1140.8	1159.8	1160.6
20°	1599.1	1368.0	1043.8	961.2	969.2	1012.1	1064.5	1115.3	1157.4	1176.5	1181.3
22.5°	1647.6	1348.9	984.3	920.7	945.3	998.6	1051.8	1099.5	1136.8	1155.1	1161.4
25°	1691.3	1312.4	919.1	886.6	927.1	979.5	1020.0	1053.4	1079.6	1090.7	1099.5
27.5°	1715.1	1257.5	869.9	859.5	909.6	952.5	974.7	985.1	993.8	990.6	997.0
30°	1719.9	1189.2	827.0	838.1	883.4	915.1	919.9	909.6	894.5	869.9	875.4
32.5°	1715.1	1110.6	791.2	815.1	854.0	873.0	866.7	839.7	803.1	765.0	767.4
35°	1716.7	1031.1	761.8	789.6	819.8	830.1	814.3	776.9	738.0	703.0	701.5
37.5°	1734.2	964.4	737.2	765.0	786.5	788.0	770.6	731.6	711.8	685.6	682.4
40°	1782.6	915.1	715.0	740.4	753.9	753.1	733.2	705.4	718.9	710.2	707.8
42.5°	1862.1	885.0	696.7	714.2	723.7	725.3	709.4	691.9	721.3	710.2	706.2
45°	1990.0	883.4	684.0	688.0	703.0	714.2	703.0	683.2	694.3	640.3	630.0
47.5°	2141.7	910.4	674.4	664.9	691.1	711.0	693.5	661.7	638.7	589.4	582.3
50°	2324.4	965.2	665.7	640.3	673.7	699.1	681.6	637.9	603.0	576.7	572.8
52.5°	2541.3	1037.5	654.6	612.5	647.4	692.7	681.6	635.5	589.4	565.6	561.6
55°	2768.5	1120.9	641.9	579.1	618.0	694.3	687.2	618.8	579.1	566.4	563.2
57.5°	3050.5	1221.0	618.8	540.2	591.8	680.0	664.9	609.3	572.0	561.6	558.5
60°	3416.7	1369.5	575.1	500.5	561.6	654.6	645.1	593.4	552.9	544.2	541.8
62.5°	3996.6	1621.4	521.9	462.3	525.9	601.4	615.7	563.2	529.1	528.3	527.5
65°	4942.0	1924.0	459.2	428.2	488.6	557.7	576.7	532.2	504.4	513.2	512.4
67.5°	5604.5	1950.3	407.5	392.4	444.9	510.0	537.8	500.5	470.3	487.0	486.2
70°	*5133.4*	*1521.3*	*363.0*	*355.1*	*398.0*	*458.4*	*495.7*	*460.8*	*430.6*	*446.5*	*443.3*
72.5°	4329.5	1166.2	320.9	316.2	350.3	404.4	441.7	421.0	389.3	389.3	382.1
75°	3479.5	962.0	276.5	274.1	297.1	349.5	391.6	356.7	327.3	325.7	320.9
77.5°	1995.5	630.8	232.0	230.4	237.5	292.3	304.3	297.1	274.9	264.5	261.4
80°	795.2	328.1	182.7	172.4	179.5	214.5	239.9	228.0	208.9	196.2	189.1
82.5°	308.2	164.4	128.7	112.8	123.1	154.9	174.0	170.0	157.3	128.7	120.7
85°	125.5	80.2	77.1	65.1	71.5	83.4	100.1	86.6	71.5	50.8	48.5
87.5°	33.4	29.4	28.6	17.5	13.5	4.0	0.8	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

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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

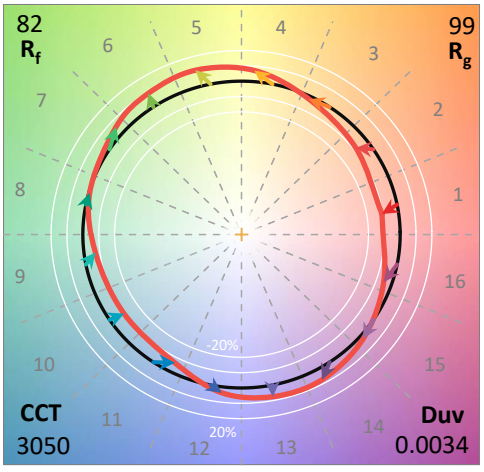
Test Information

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

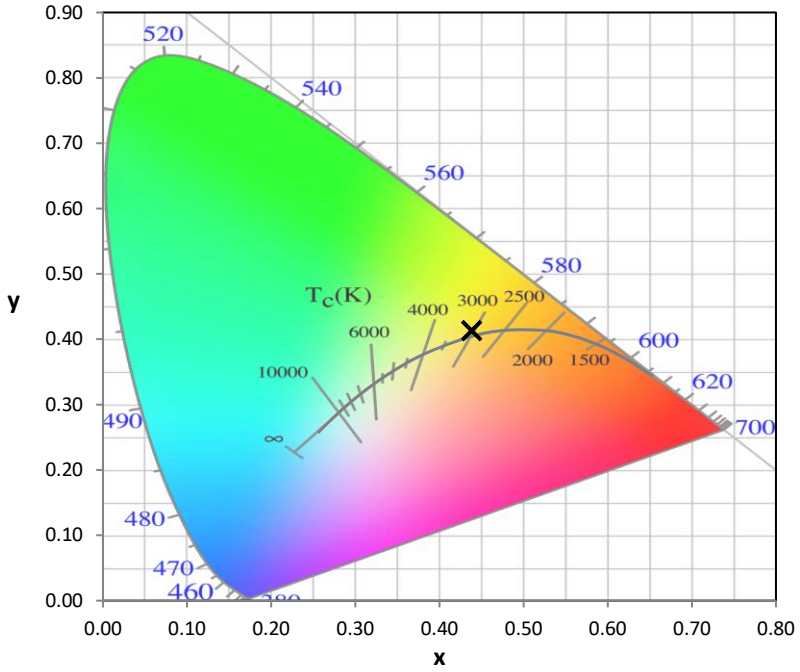
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

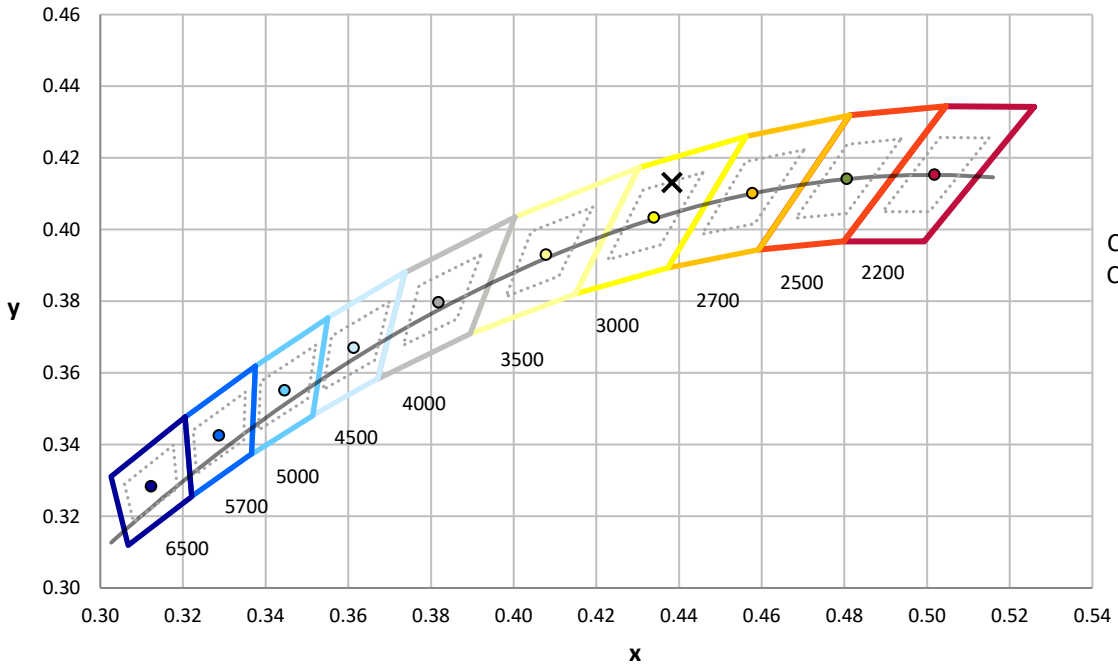
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

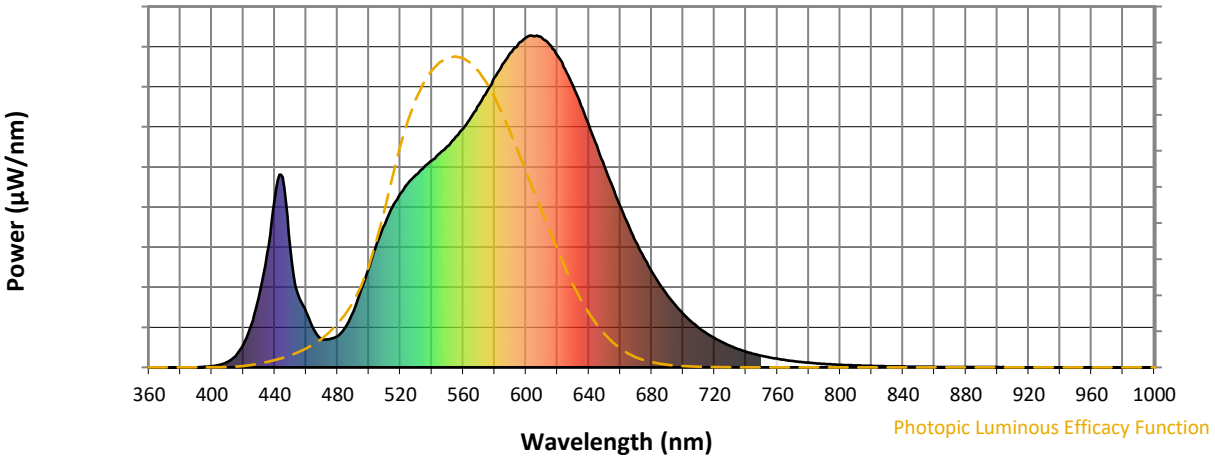


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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			

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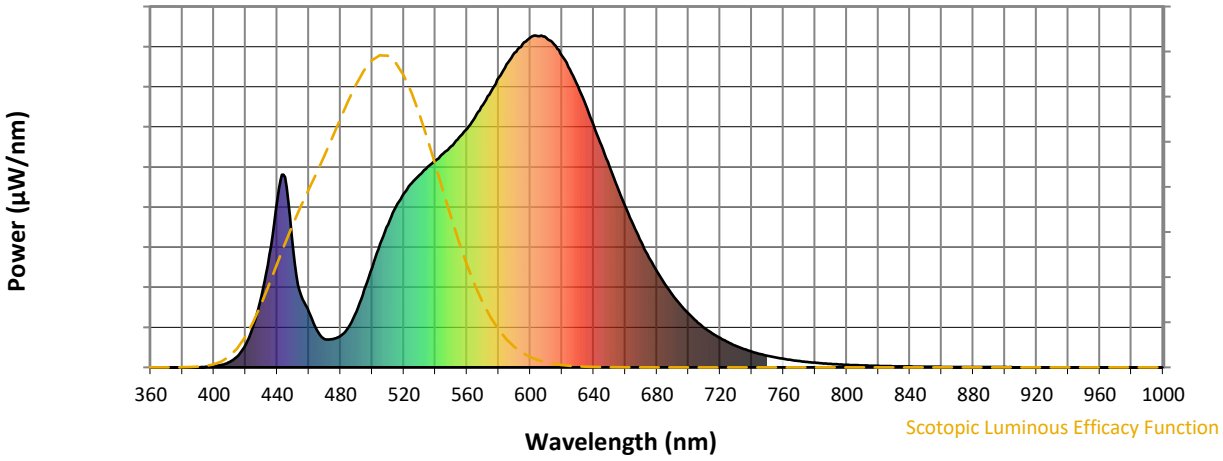
Scotopic Flux vs. Wavelength



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			

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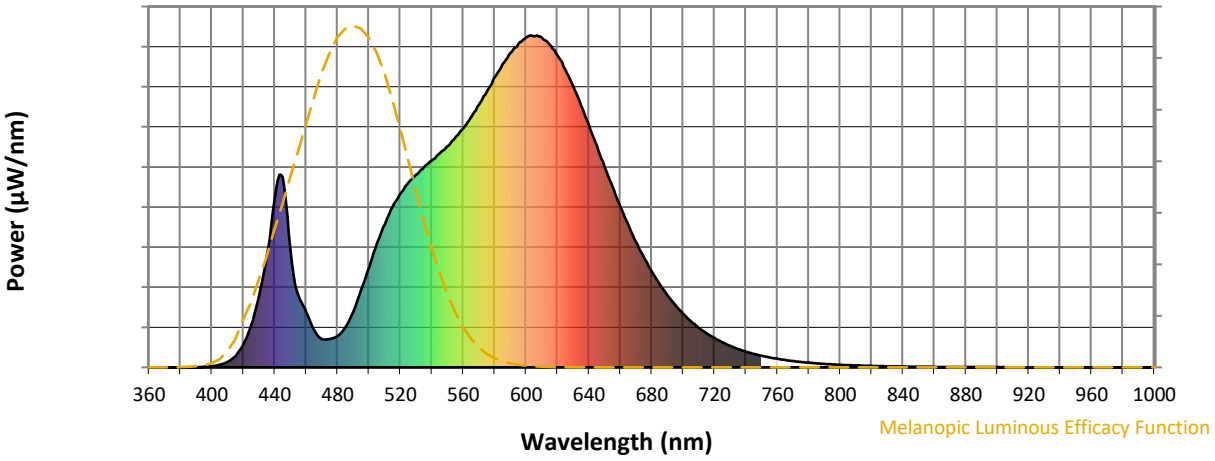
Melanopic Flux vs. Wavelength



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			

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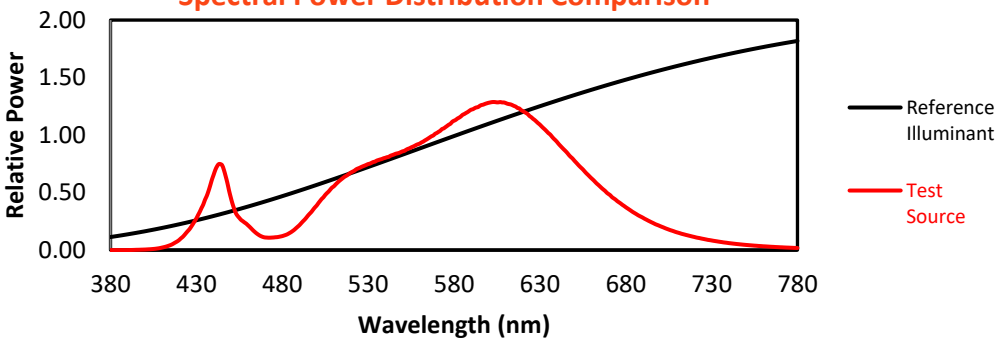
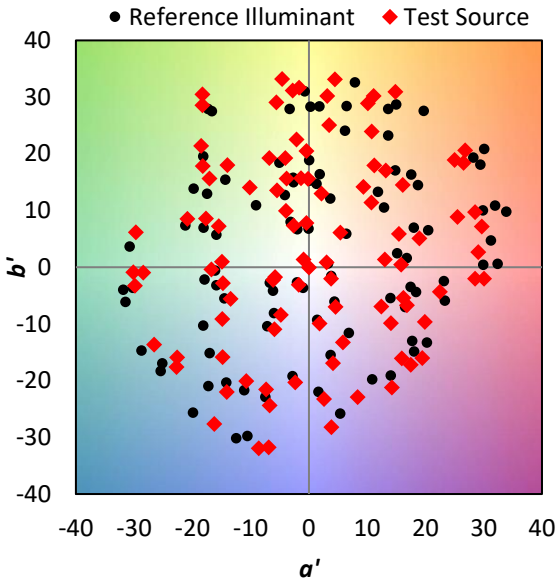
Summary

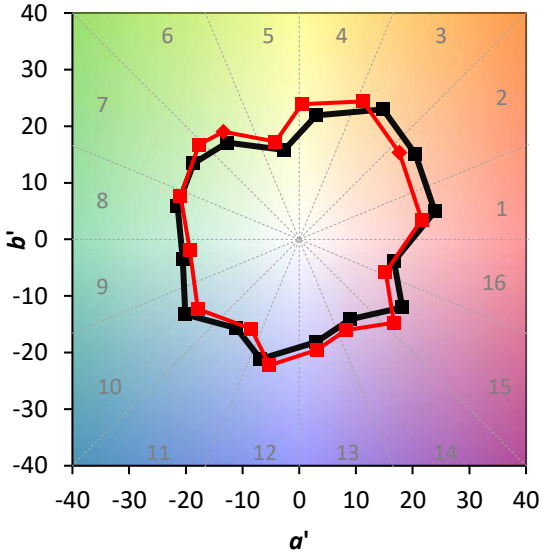
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

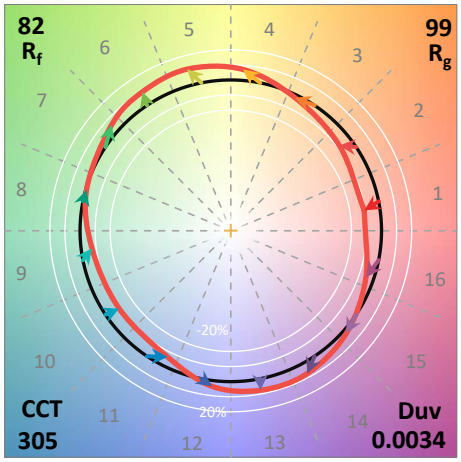
Spectral Power Distribution Comparison

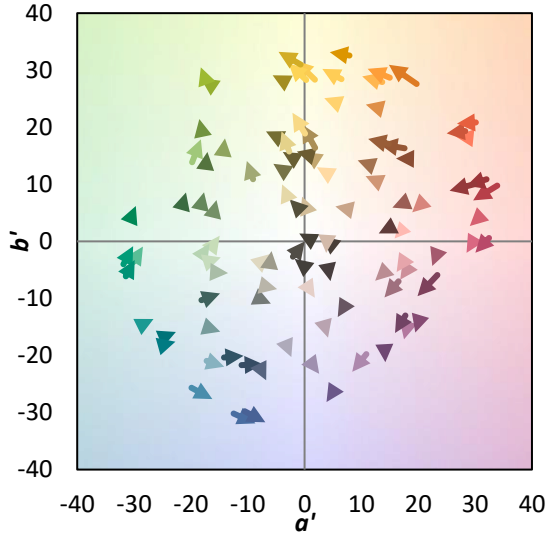


Color Vector Graphics









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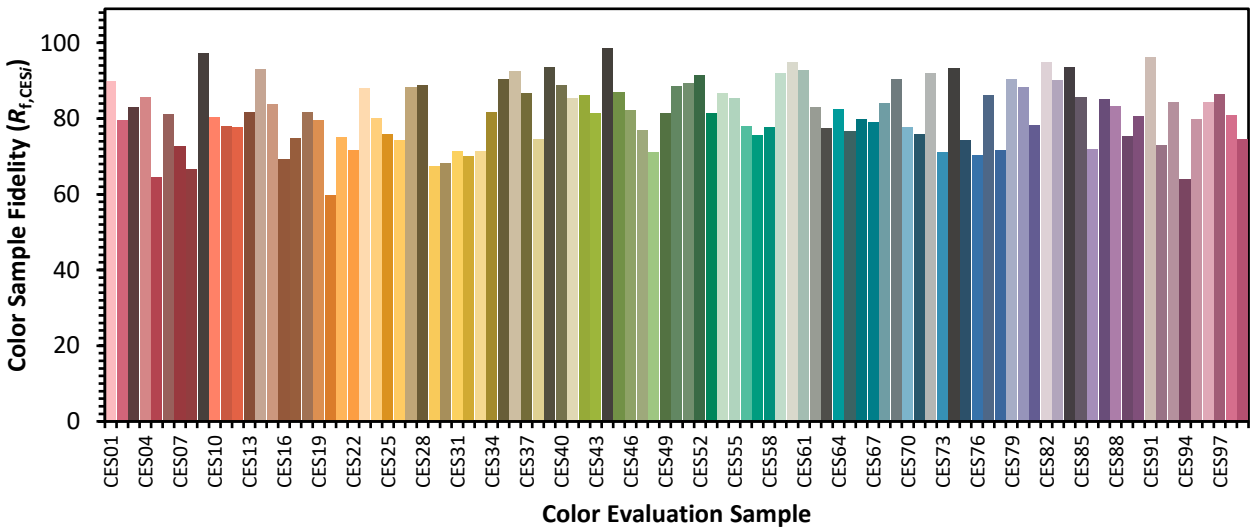
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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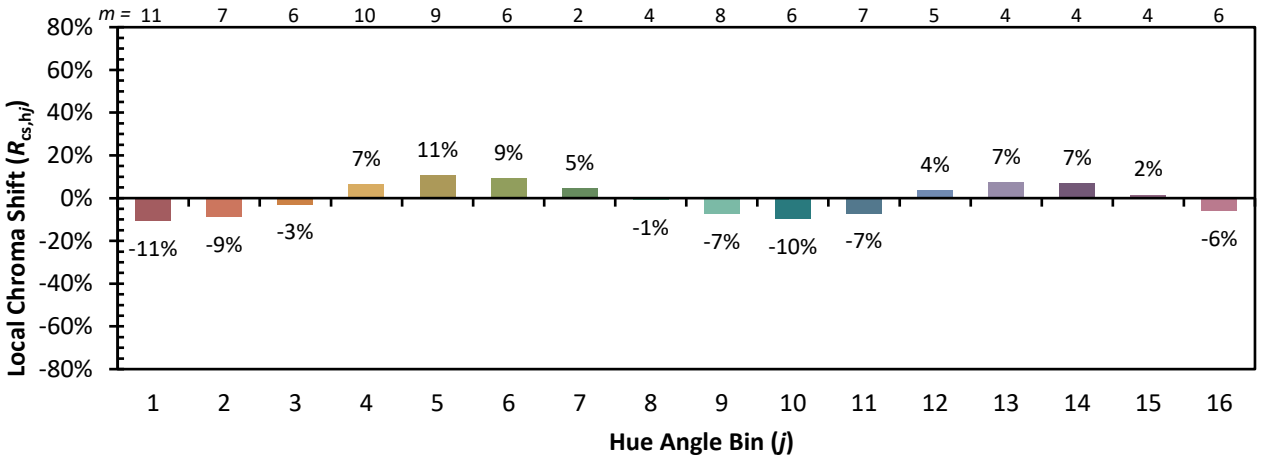
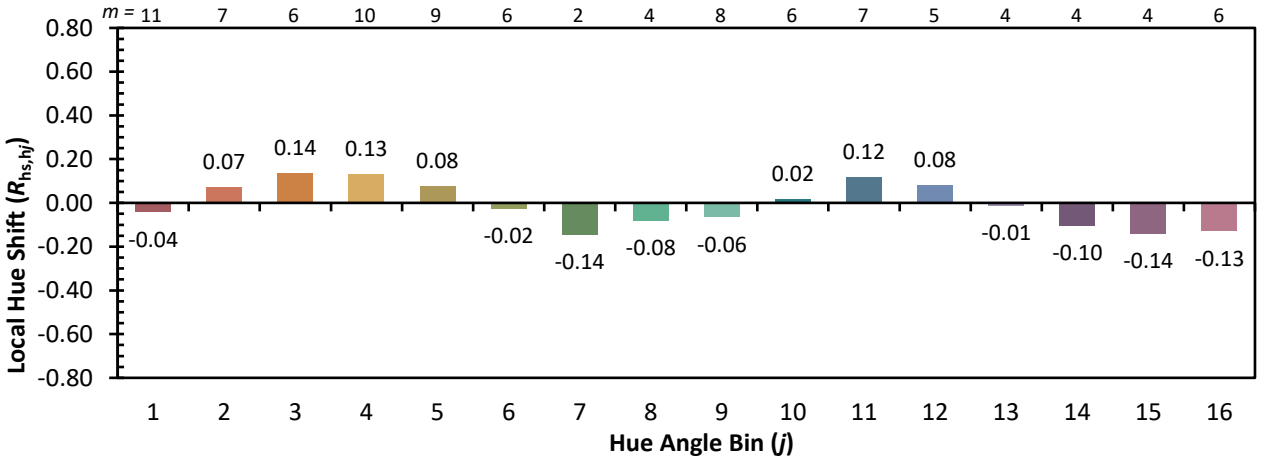
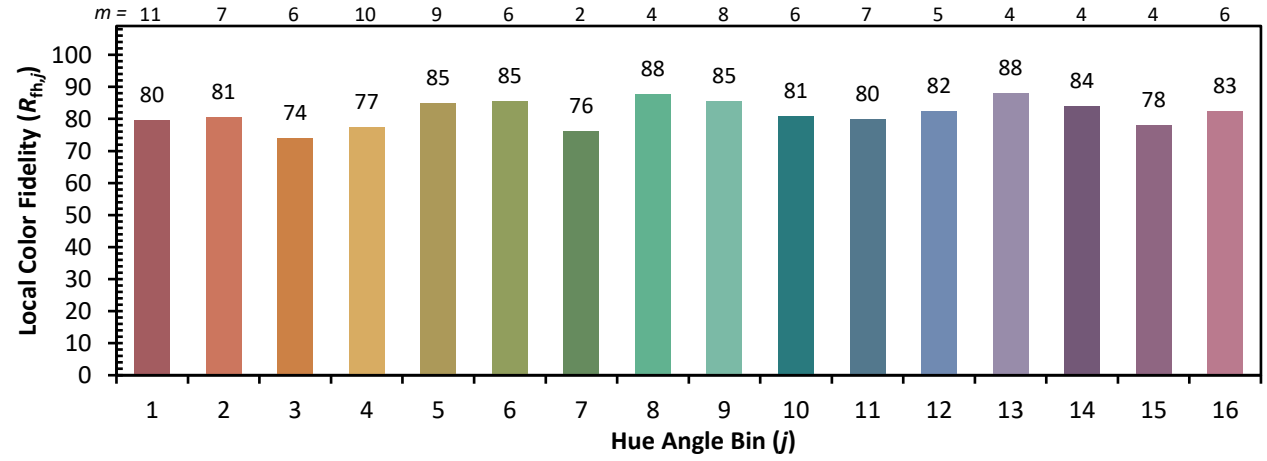
Color Rendition by Hue-Angle Bin







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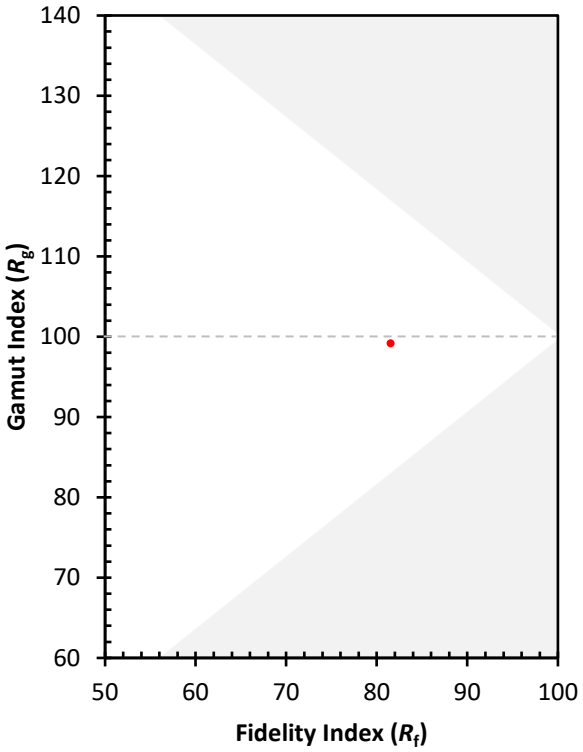
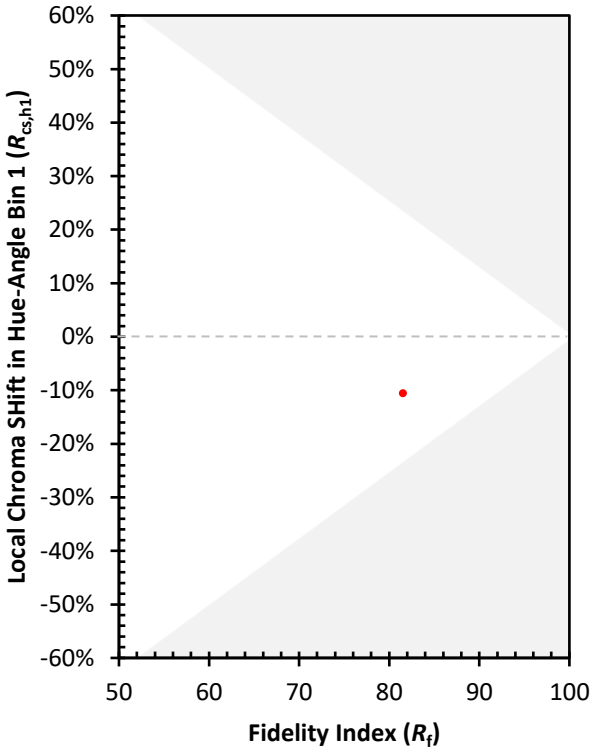
Measure Comparisons





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