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: P641960

Luminaire Tested: GWS-SA6B-830-U-T2R-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:	P641960
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-T2R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17150.2 lumens
Efficiency:	N/A
Efficacy:	123.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

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

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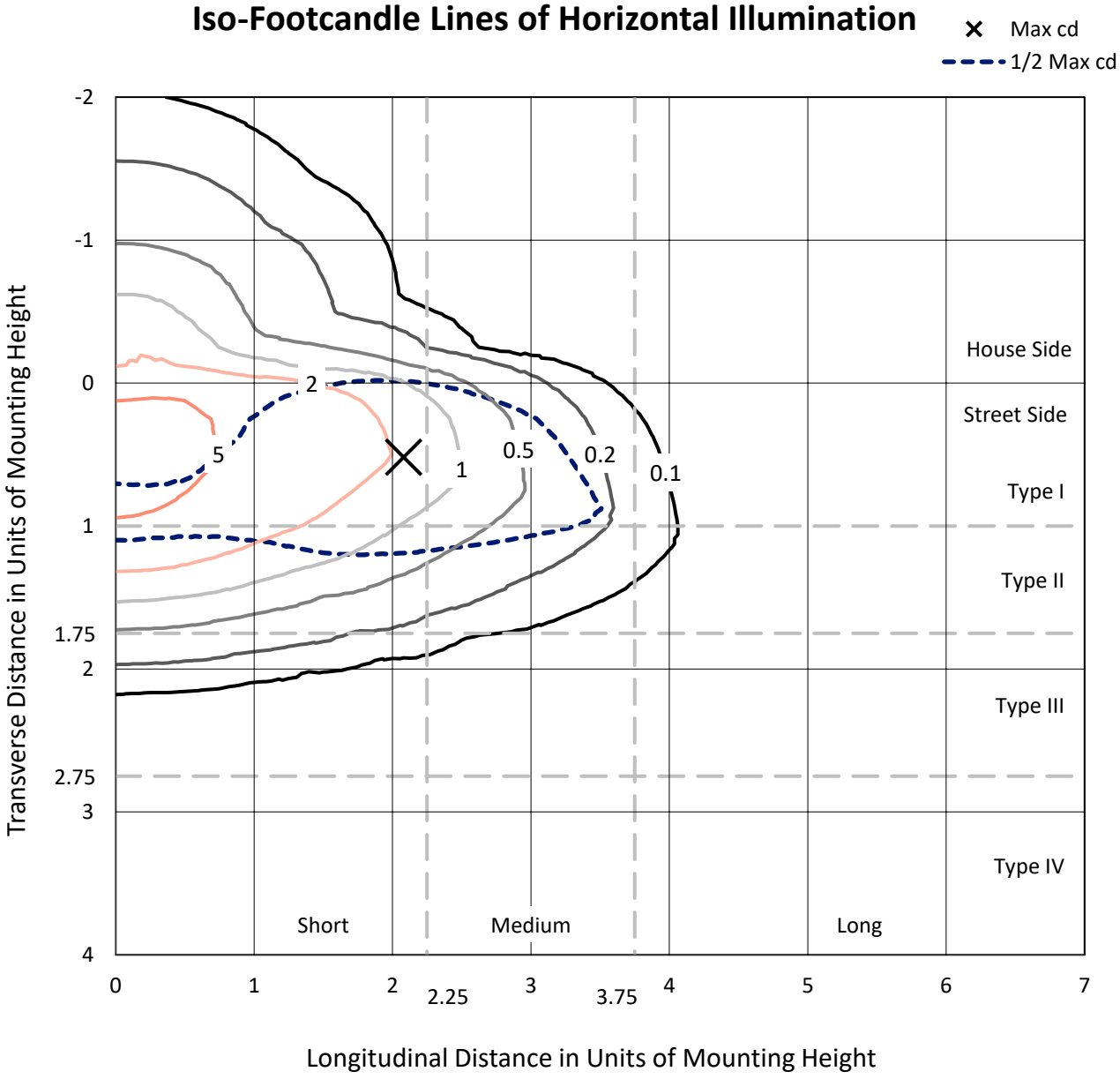
Scaled Data Report

REPORT NUMBER: P641960
CATALOG NUMBER: GWS-SA6B-830-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
Type II - Short - N/A

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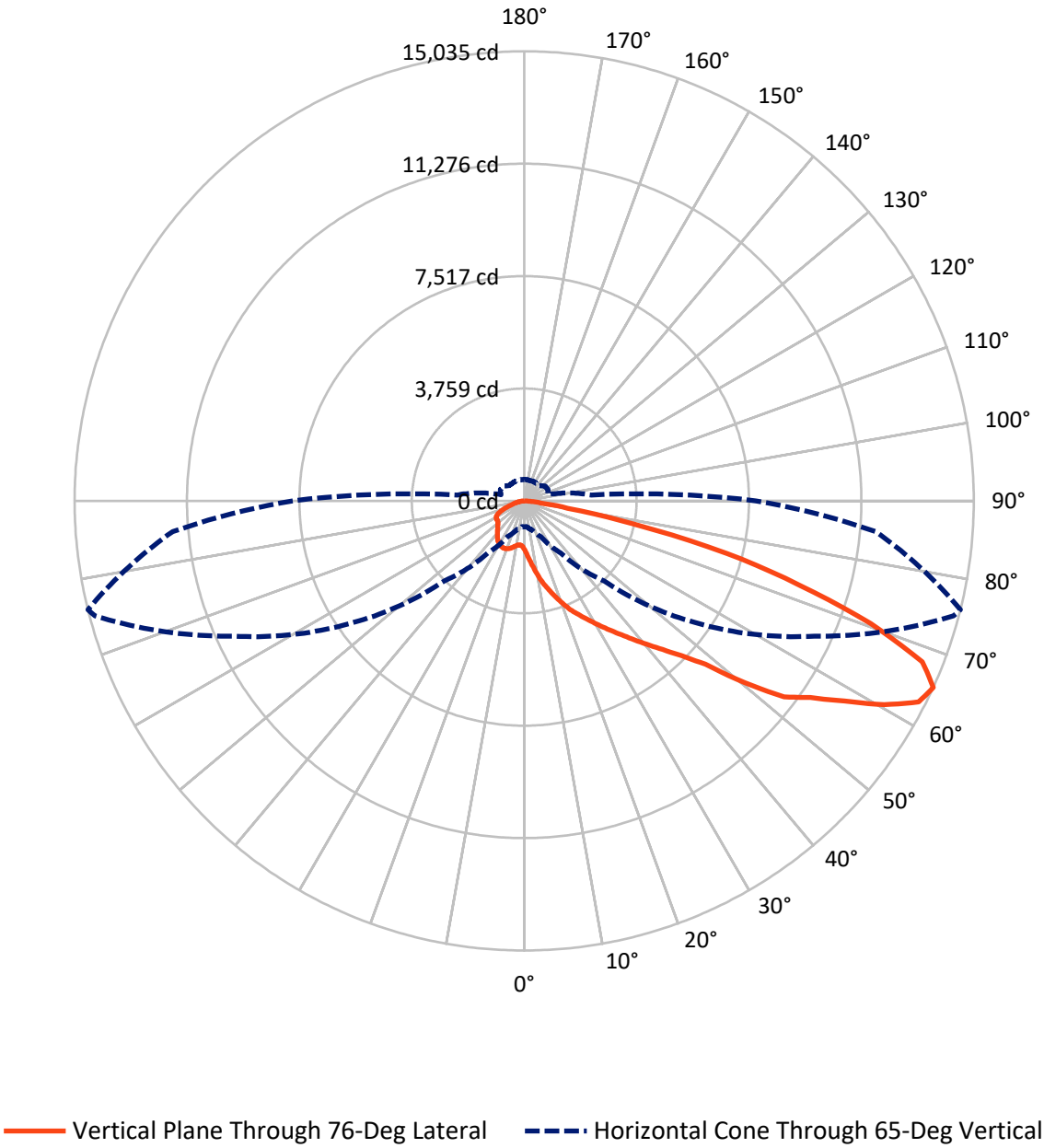
Luminous Intensity Polar Plot



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REPORT NUMBER: P641960
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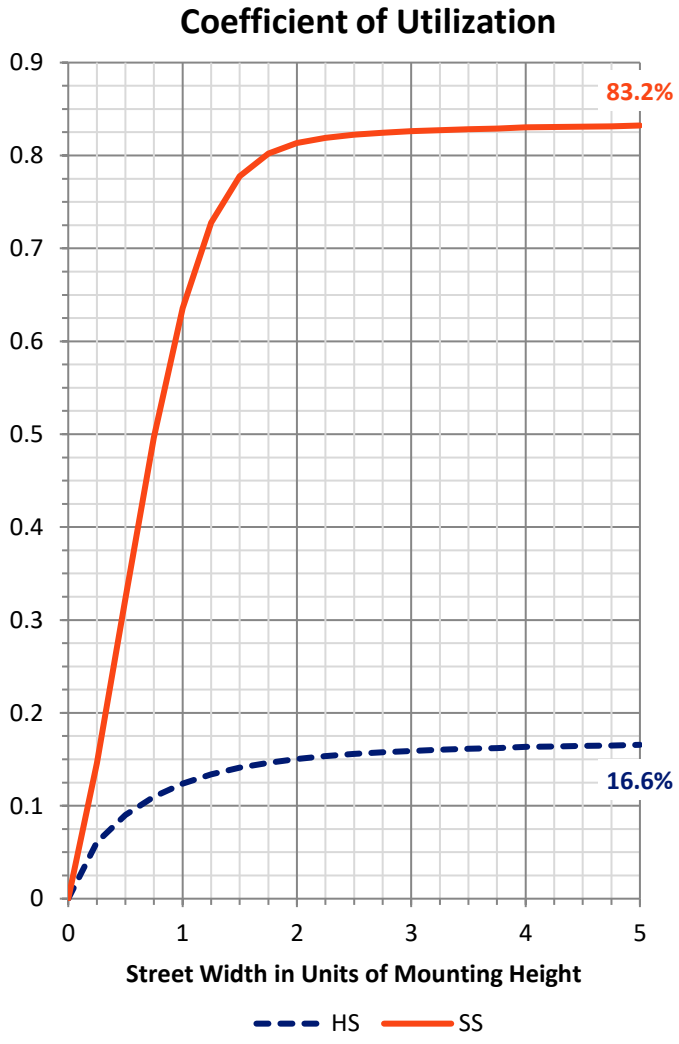
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2866.7	0.0	2866.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	14283.5	0.0	14283.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	17150.2	0.0	17150.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	1.1
10°-20°	734.9	4.3
20°-30°	1432.2	8.4
30°-40°	2395.3	14.0
40°-50°	3429.7	20.0
50°-60°	4060.3	23.7
60°-70°	3376.1	19.7
70°-80°	1381.6	8.1
80°-90°	147.1	0.9
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°	17150.2	100.0
0°-180°	17150.2	100.0



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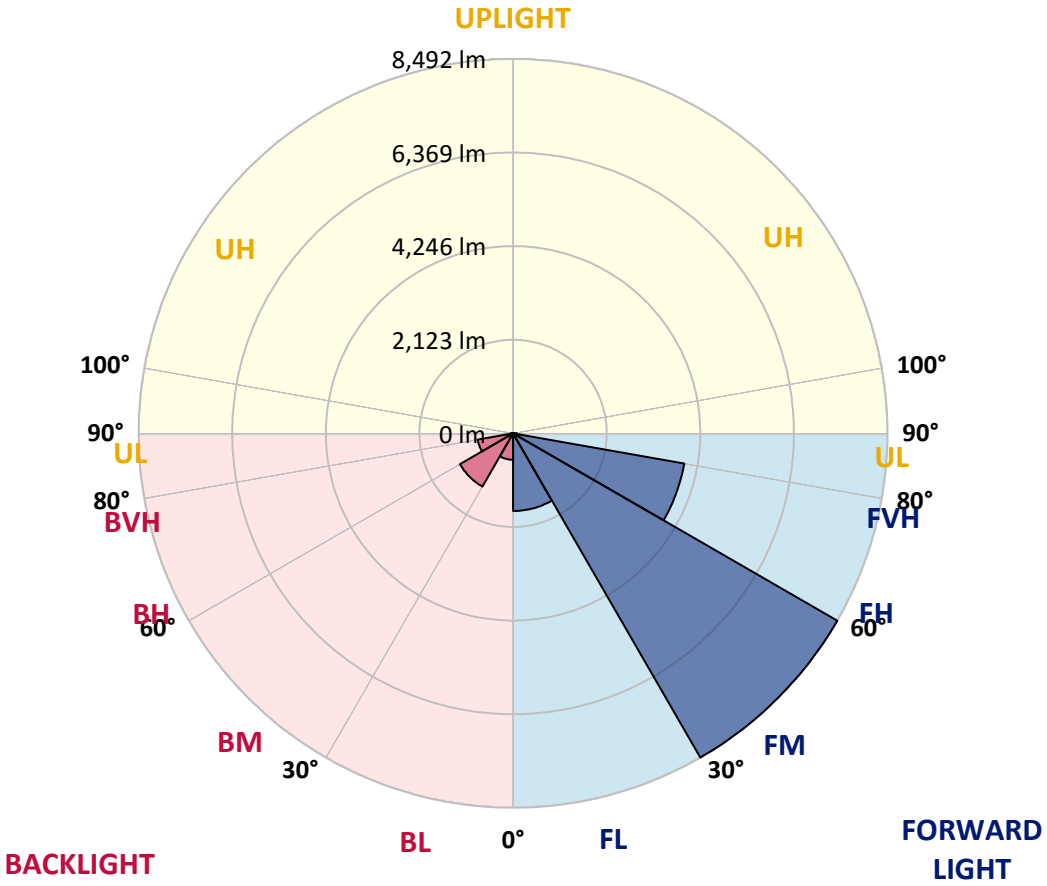
REPORT NUMBER: P641960
CATALOG NUMBER: GWS-SA6B-830-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1760.4	10.3			
FM	(30°-60°)	8492.1	49.5			
FH	(60°-80°)	3943.3	23.0			G2/5000
FVH	(80°-90°)	87.7	0.5			G1/100
BL	(0°-30°)	599.7	3.5	B2/1000		
BM	(30°-60°)	1393.1	8.1	B2/2500		
BH	(60°-80°)	814.5	4.7	B2/1000		G2/1000
BVH	(80°-90°)	59.4	0.3			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 Short



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REPORT NUMBER: P641960
CATALOG NUMBER: GWS-SA6B-830-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	*1624.1*	1624.1
2.5°	2276.3	2284.8	2257.0	2247.4	2182.3	2094.3	2020.7	1909.8	1807.3	*1791.7*	1700.0
5°	2891.2	2855.1	2823.7	2803.2	2712.8	2612.7	2457.2	2248.6	2030.4	*2003.9*	1806.1
7.5°	3256.6	3250.5	3212.0	3199.9	3130.0	3029.9	2869.5	2610.3	2293.2	*2249.8*	1949.6
10°	3549.5	3545.9	3526.6	3537.5	3473.6	3375.9	3220.4	2952.7	2581.4	*2538.0*	2110.0
12.5°	3805.1	3811.2	3807.6	3847.3	3814.8	3738.8	3577.3	3283.1	2869.5	*2822.5*	2305.3
15°	3992.0	3996.9	4014.9	4101.7	4119.8	4104.2	3940.2	3607.4	3154.1	*3086.6*	2506.6
17.5°	4045.1	4054.7	4098.1	4238.0	4335.7	4400.8	4279.0	3937.8	3433.8	*3360.2*	2711.6
20°	4116.2	4127.1	4170.5	4316.4	4459.8	4608.1	4586.4	4273.0	3715.9	*3655.6*	2919.0
22.5°	4445.4	4436.9	4417.6	4487.6	4590.1	4774.5	4828.8	4594.9	4007.7	*3949.8*	3148.0
25°	5079.6	5063.9	4940.9	4877.0	4843.2	4955.4	5051.8	4887.9	4292.2	*4205.4*	3361.5
27.5°	5778.9	5770.4	5613.7	5461.8	5254.4	5206.2	5262.8	5143.5	4568.3	*4480.3*	3547.1
30°	6440.8	6415.5	6251.5	6061.0	5783.7	5576.3	5493.1	5394.2	4871.0	*4779.3*	3764.2
32.5°	7032.8	7000.2	6807.3	6596.3	6305.7	6061.0	5812.6	5660.7	5213.4	*5107.3*	3986.0
35°	7518.7	7486.1	7288.4	7064.1	6744.6	6563.8	6223.8	5950.1	5561.8	*5454.5*	4247.6
37.5°	7894.8	7864.7	7658.5	7437.9	7159.4	7015.9	6720.5	6275.6	5963.3	*5851.2*	4524.9
40°	8105.8	8084.1	7919.0	7744.1	7510.2	7386.0	7253.4	6686.7	6413.0	*6300.9*	4851.7
42.5°	8169.7	8155.3	8039.5	7949.1	7791.2	7697.1	7773.1	7170.2	6892.9	*6795.3*	5219.4
45°	8009.4	8009.4	7975.6	8021.4	8028.7	8027.5	8293.9	7716.4	7482.5	*7375.2*	5737.9
47.5°	7599.4	7626.0	7675.4	7900.9	8138.4	8337.3	8902.8	8444.6	8240.9	*8152.9*	6472.1
50°	6849.5	6921.8	7090.6	7530.7	8035.9	8542.3	9479.1	9521.3	9715.4	*9559.9*	7552.4
52.5°	5751.1	5740.3	6170.7	6797.7	7568.1	8550.7	9796.2	10471.4	10993.5	*10886.1*	8355.4
55°	4570.8	4552.7	4954.2	5818.6	6850.7	8227.6	9986.7	10906.6	11702.4	*11605.9*	9077.6
57.5°	3500.1	3477.2	3834.1	4614.2	5837.9	7541.6	9950.5	11425.1	12677.8	*12628.4*	10059.0
60°	2409.0	2381.2	2715.2	3397.6	4639.5	6492.6	9550.2	11691.5	13819.6	*13836.5*	11109.2
62.5°	1446.8	1431.2	1673.5	2202.8	3337.3	5192.9	8613.4	11530.0	14728.7	*14804.6*	11784.4
65°	*872.9*	*862.1*	*1004.3*	*1314.2*	*2117.2*	*3789.5*	*7169.0*	*10704.1*	*14860.1*	*15034.9*	*11800.1*
67.5°	635.4	636.6	677.6	800.6	1234.6	2447.5	5379.8	9223.5	14175.3	*14356.1*	11056.2
70°	552.2	554.6	576.3	604.0	746.3	1401.0	3497.7	7281.1	12150.9	*12290.8*	9272.9
72.5°	490.7	490.7	505.2	519.7	583.6	853.6	1873.6	5089.2	9590.0	*9627.4*	7077.4
75°	431.6	428.0	435.3	442.5	506.4	596.8	911.5	3545.9	7083.4	*6996.6*	4574.4
77.5°	343.6	340.0	341.2	348.4	406.3	426.8	461.8	2214.8	3992.0	*3767.8*	2020.7
80°	244.8	242.3	255.6	273.7	300.2	261.6	289.4	1071.9	1583.1	*1473.3*	783.7
82.5°	145.9	150.7	171.2	185.7	207.4	164.0	186.9	358.1	560.6	*546.2*	318.3
85°	20.5	21.7	61.5	71.1	89.2	63.9	98.9	161.6	224.3	*239.9*	112.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.4	28.9	63.9	*65.1*	27.7
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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REPORT NUMBER: P641960
CATALOG NUMBER: GWS-SA6B-830-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1
2.5°	1653.0	1596.3	1515.5	1448.0	1391.4	1345.5	1307.0	1278.0	1269.6	1257.5	1257.5
5°	1713.3	1610.8	1466.1	1363.6	1304.6	1269.6	1245.5	1233.4	1227.4	1220.2	1216.5
7.5°	1796.5	1653.0	1457.7	1354.0	1308.2	1286.5	1270.8	1263.6	1258.7	1251.5	1251.5
10°	1911.0	1715.7	1484.2	1387.7	1351.6	1329.9	1311.8	1299.7	1288.9	1278.0	1275.6
12.5°	2035.2	1797.7	1532.4	1433.6	1395.0	1368.5	1343.1	1325.1	1311.8	1298.5	1294.9
15°	2172.6	1882.1	1584.3	1478.2	1429.9	1393.8	1363.6	1335.9	1317.8	1298.5	1296.1
17.5°	2307.7	1967.7	1627.7	1508.3	1446.8	1402.2	1358.8	1322.6	1299.7	1278.0	1272.0
20°	2469.2	2053.3	1657.8	1516.8	1443.2	1384.1	1332.3	1286.5	1261.1	1235.8	1232.2
22.5°	2617.5	2132.9	1672.3	1504.7	1415.5	1345.5	1285.3	1235.8	1208.1	1182.8	1178.0
25°	2761.0	2202.8	1666.3	1475.8	1373.3	1292.5	1229.8	1180.4	1153.8	1127.3	1120.1
27.5°	2899.7	2249.8	1642.1	1431.2	1320.2	1233.4	1173.1	1128.5	1105.6	1082.7	1073.1
30°	3035.9	2293.2	1604.8	1373.3	1252.7	1171.9	1122.5	1091.1	1068.2	1044.1	1036.9
32.5°	3173.4	2324.6	1548.1	1305.8	1184.0	1117.7	1087.5	1064.6	1040.5	1016.4	1009.2
35°	3312.0	2337.8	1479.4	1228.6	1126.1	1082.7	1071.9	1045.3	1012.8	983.8	974.2
37.5°	3477.2	2349.9	1393.8	1152.6	1075.5	1065.8	1063.4	1023.6	985.0	945.3	934.4
40°	3676.1	2365.6	1305.8	1083.9	1034.5	1059.8	1050.2	995.9	918.7	880.2	868.1
42.5°	3919.7	2394.5	1214.1	1021.2	1004.3	1036.9	1026.0	928.4	876.5	854.8	848.8
45°	4277.8	2500.6	1122.5	971.8	981.4	1004.3	987.5	888.6	868.1	853.6	846.4
47.5°	4915.6	2663.4	1042.9	934.4	963.3	975.4	910.3	877.7	862.1	842.8	834.3
50°	5578.7	2734.5	979.0	911.5	942.8	948.9	868.1	863.3	852.4	831.9	823.5
52.5°	6027.2	2724.9	940.4	903.1	926.0	903.1	848.8	847.6	840.4	816.3	806.6
55°	6533.6	2741.7	923.6	905.5	918.7	825.9	824.7	828.3	824.7	798.2	793.3
57.5°	7217.2	2793.6	915.1	913.9	913.9	788.5	801.8	806.6	799.4	787.3	783.7
60°	7874.3	2797.2	899.4	923.6	910.3	765.6	775.3	780.1	771.6	769.2	768.0
62.5°	8121.5	2623.6	864.5	916.3	895.8	740.3	747.5	749.9	741.5	747.5	746.3
65°	*7753.8*	*2254.6*	*806.6*	*881.4*	*851.2*	*717.4*	*712.6*	*718.6*	*704.1*	*719.8*	*721.0*
67.5°	6884.5	1791.7	718.6	815.0	788.5	692.1	682.4	682.4	658.3	682.4	681.2
70°	5551.0	1266.0	589.6	708.9	719.8	661.9	657.1	629.4	590.8	627.0	623.3
72.5°	4207.8	909.1	464.2	560.6	619.7	619.7	620.9	573.9	529.3	546.2	531.7
75°	2665.8	640.2	371.4	429.2	485.9	543.8	571.5	484.7	444.9	437.7	430.4
77.5°	1200.9	420.8	289.4	329.2	344.8	429.2	522.1	417.2	362.9	347.2	342.4
80°	502.8	261.6	206.2	232.7	212.2	360.5	460.6	324.3	266.5	244.8	229.1
82.5°	220.6	155.5	131.4	125.4	132.6	267.7	343.6	215.8	166.4	225.5	227.9
85°	92.8	82.0	67.5	61.5	54.3	102.5	161.6	84.4	103.7	59.1	48.2
87.5°	21.7	24.1	18.1	12.1	7.2	1.2	0.0	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

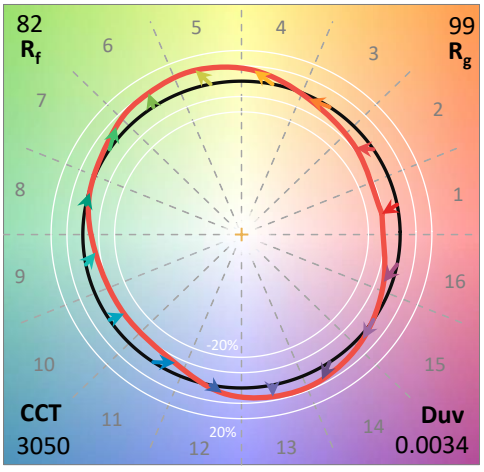
Test Information

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

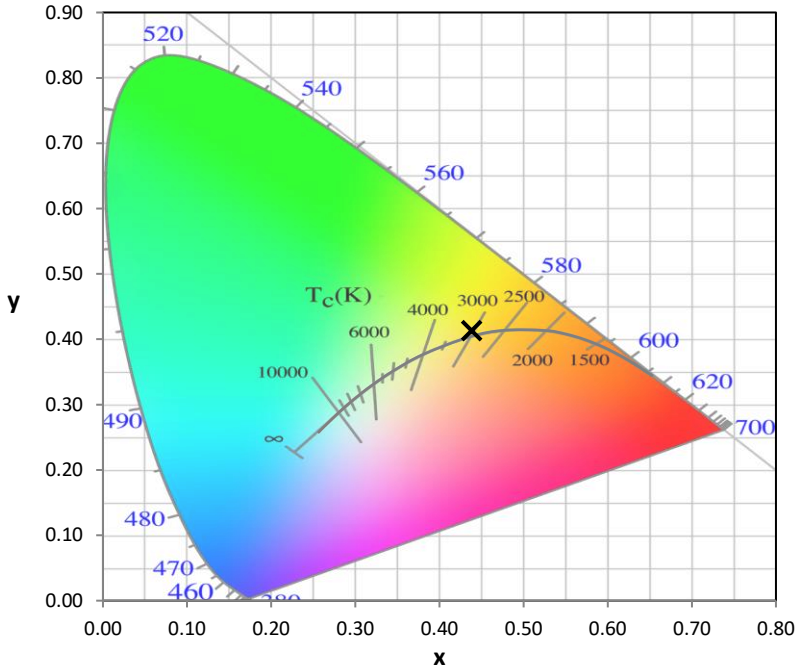
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

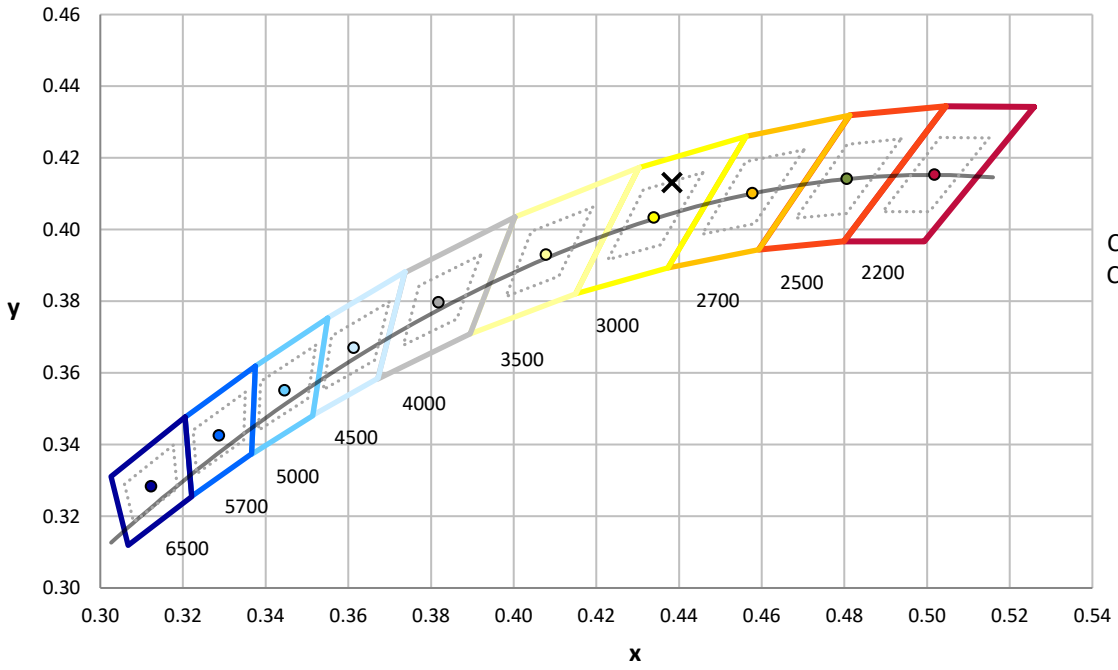
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

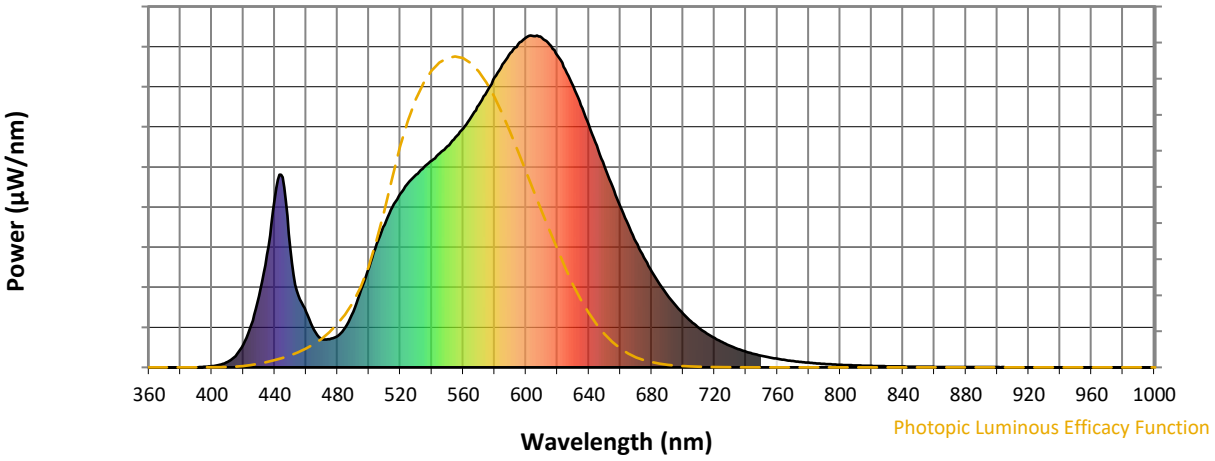


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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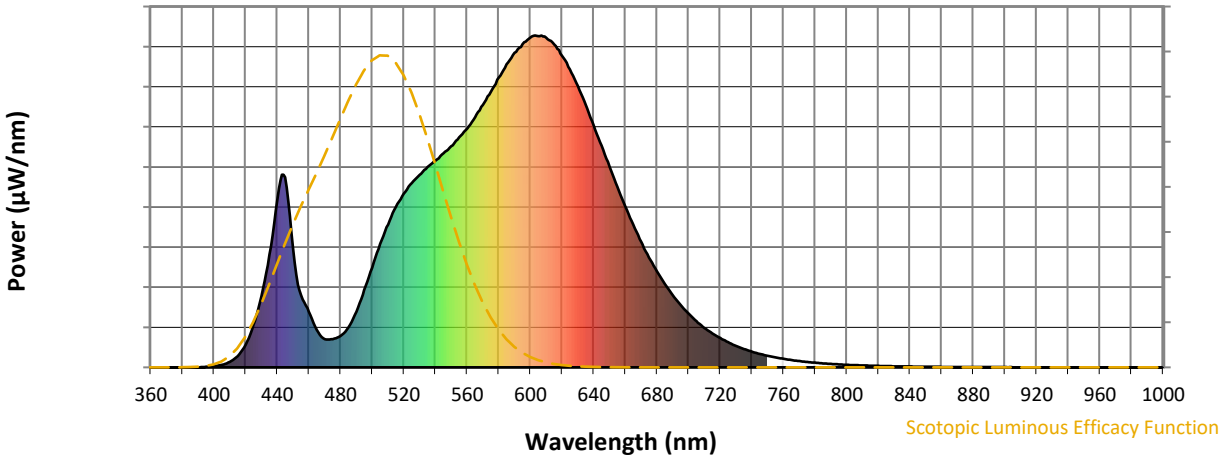
Scotopic Flux vs. Wavelength



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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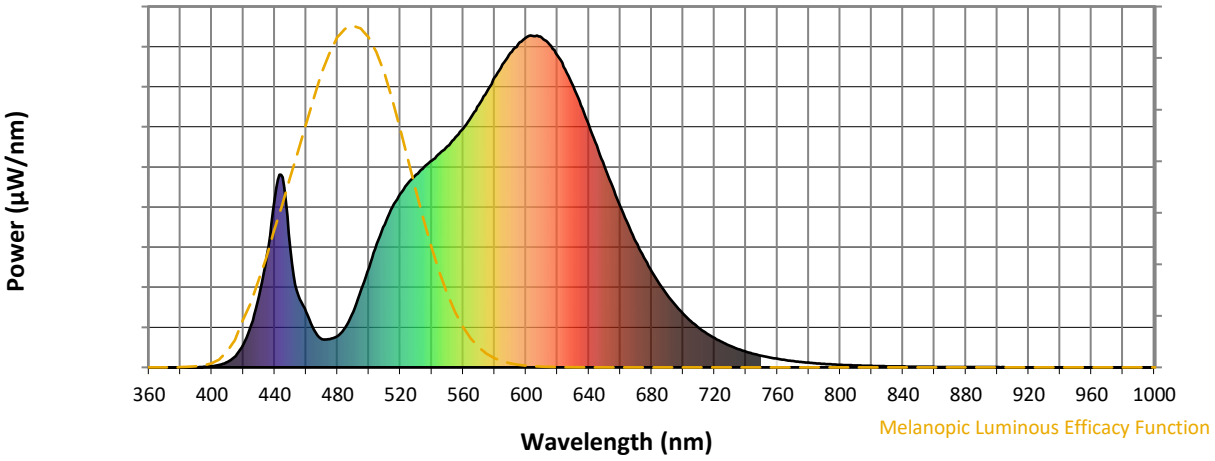
Melanopic Flux vs. Wavelength



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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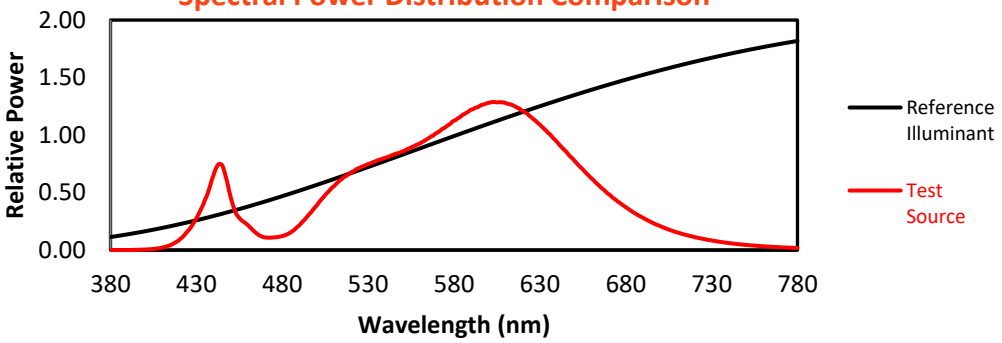
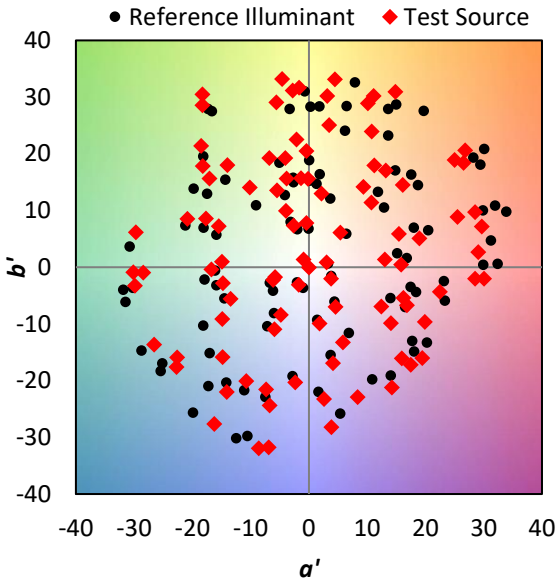
Summary

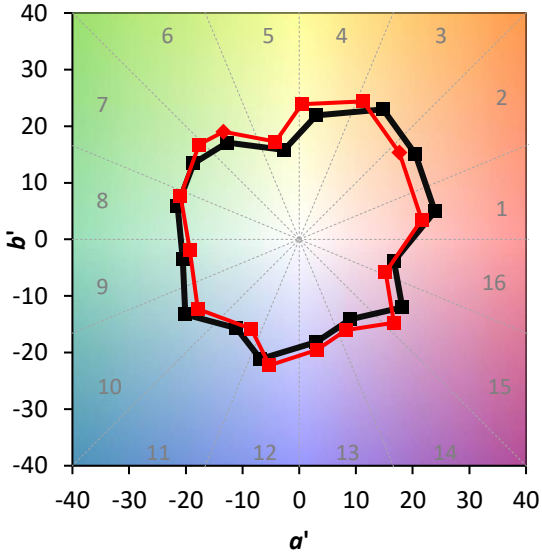
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

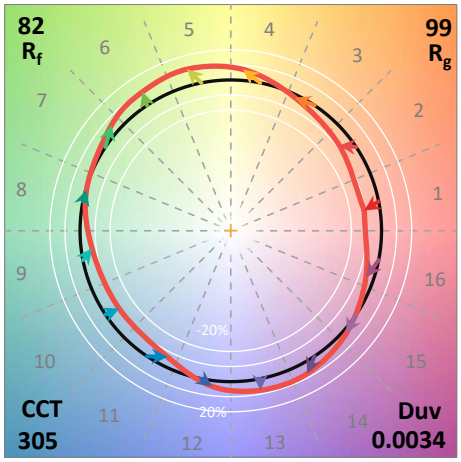
Spectral Power Distribution Comparison

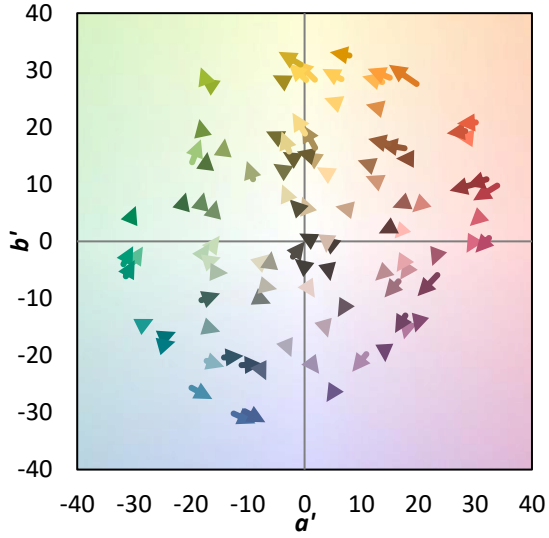


Color Vector Graphics









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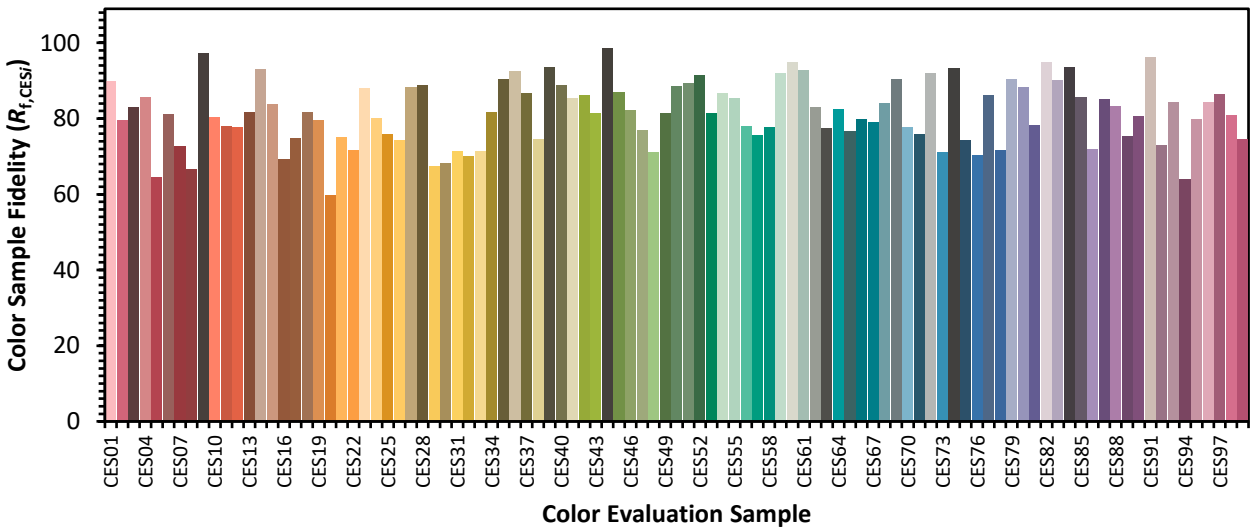
Individual Sample Fidelity Index ($R_{f,i}$)

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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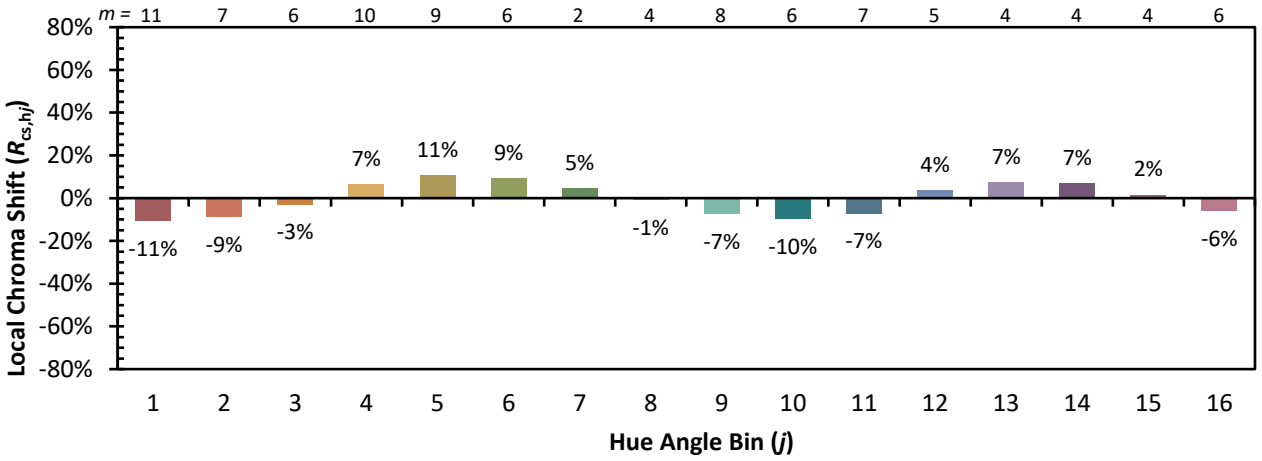
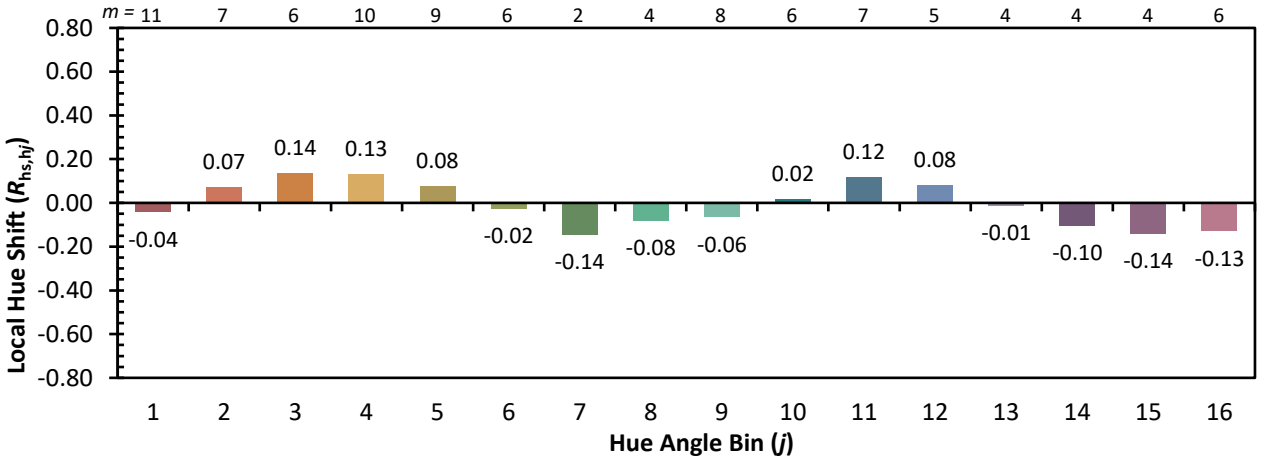
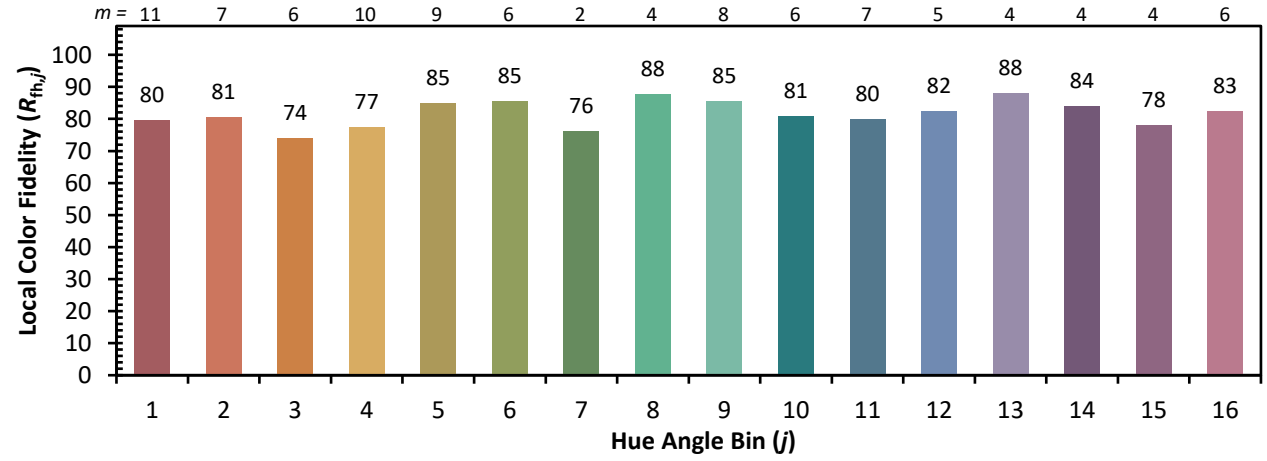
Color Rendition by Hue-Angle Bin







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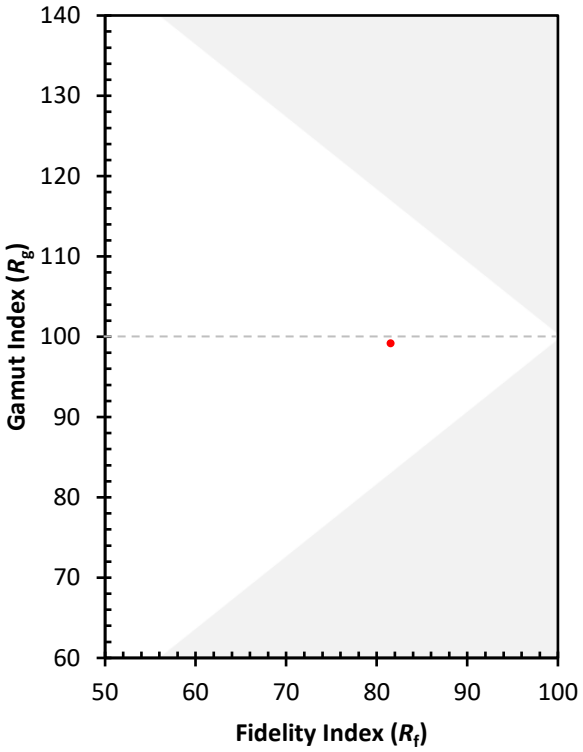
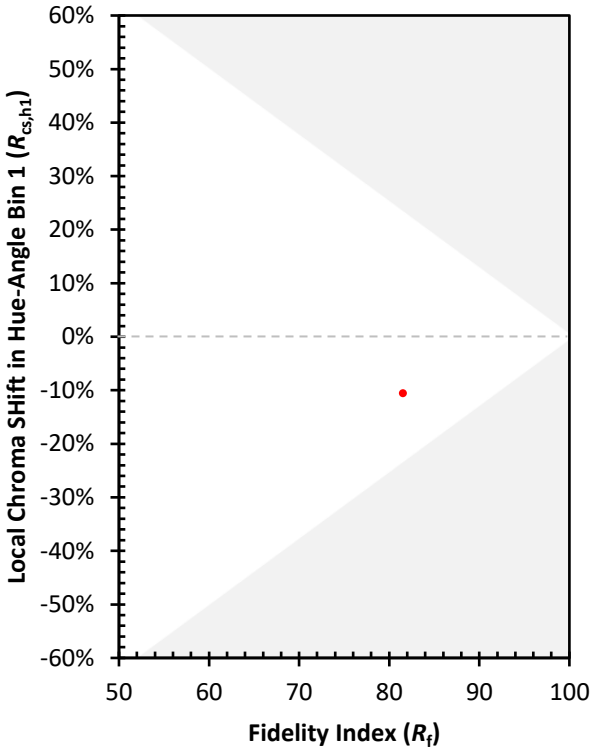
Measure Comparisons





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