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: P643422

Luminaire Tested: GWS-SA6E-830-U-SL2-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:	P643422
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-SL2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	34944.8 lumens
Efficiency:	N/A
Efficacy:	107.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

Input Watts (W):	323.8
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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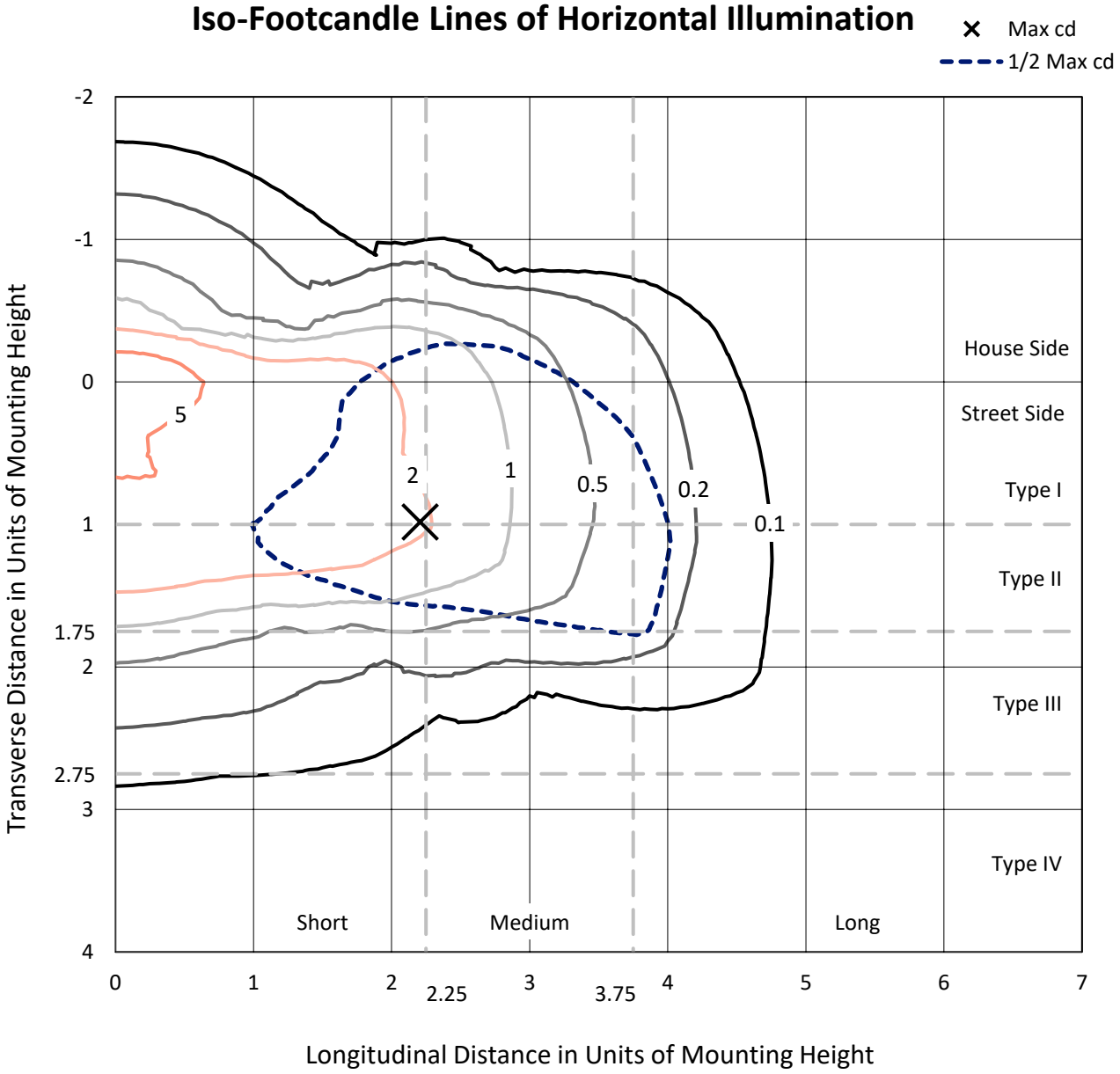
REPORT NUMBER: P643422
CATALOG NUMBER: GWS-SA6E-830-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 8.6 fc
Type II - Short - N/A

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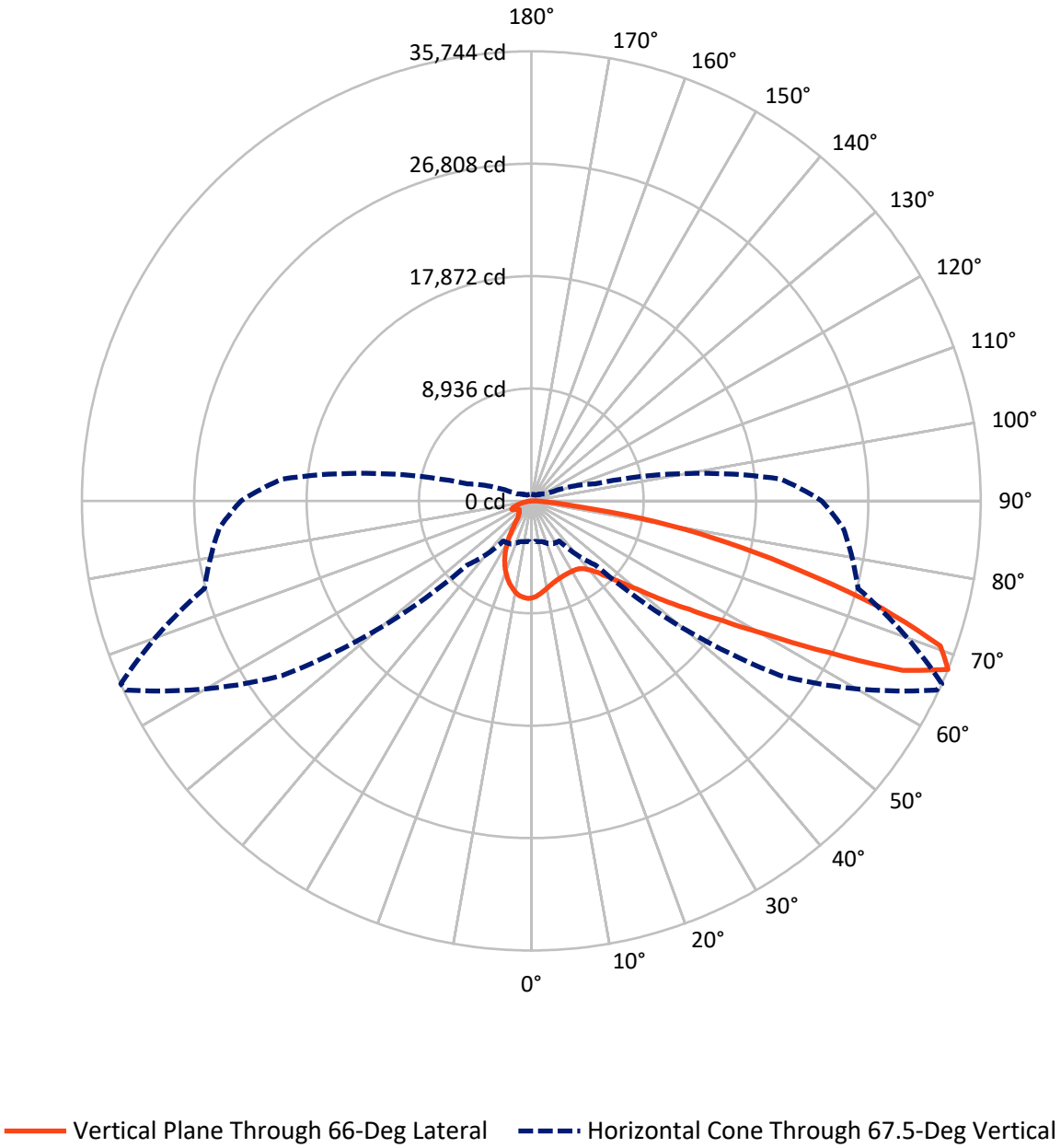
Luminous Intensity Polar Plot



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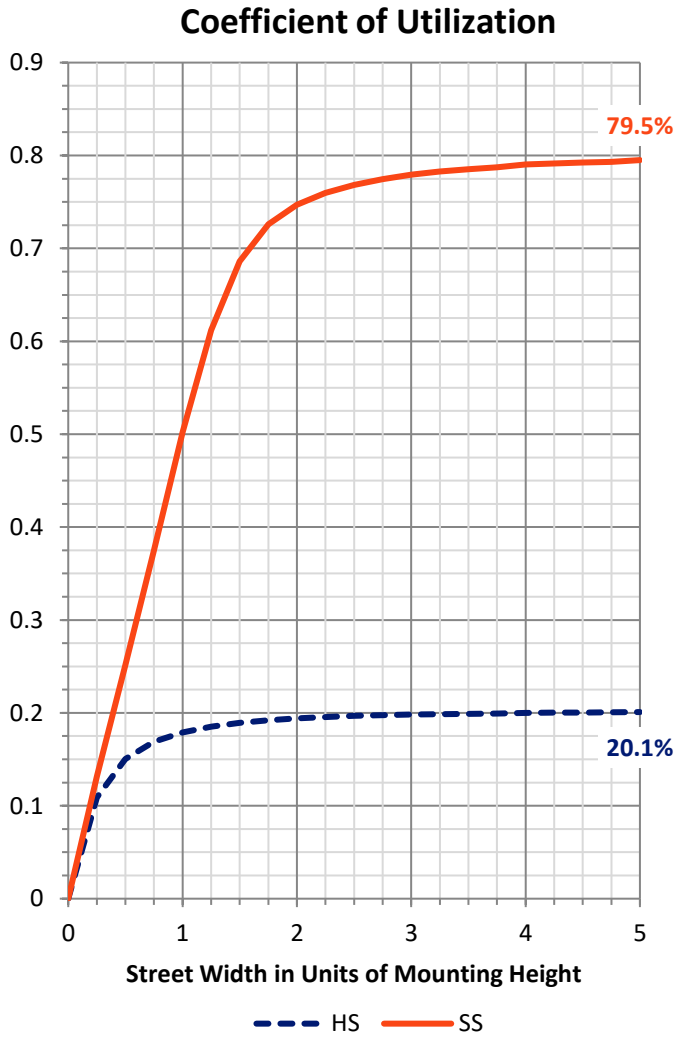
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7091.1	0.0	7091.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	27853.7	0.0	27853.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	34944.8	0.0	34944.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	677.7	1.9
10°-20°	1665.5	4.8
20°-30°	2289.3	6.6
30°-40°	3129.8	9.0
40°-50°	4742.5	13.6
50°-60°	7372.3	21.1
60°-70°	8975.7	25.7
70°-80°	5467.5	15.6
80°-90°	624.5	1.8
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°	34944.8	100.0
0°-180°	34944.8	100.0



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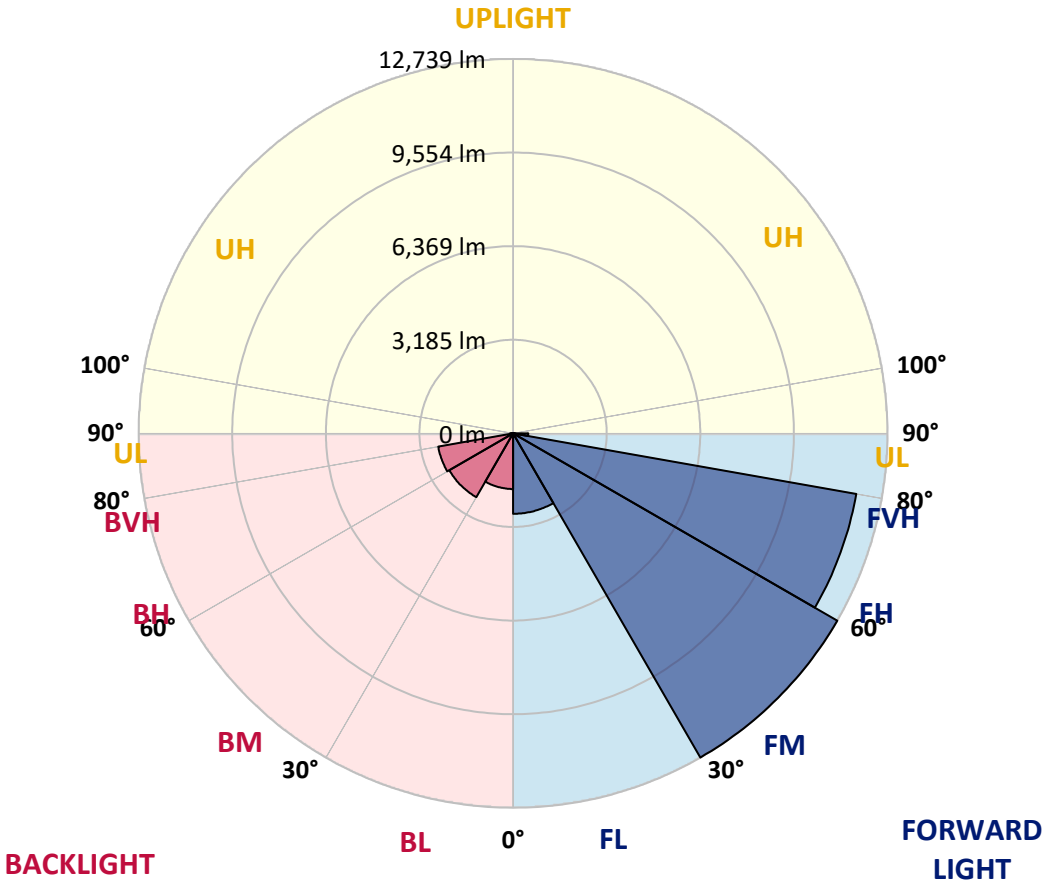
REPORT NUMBER: P643422
CATALOG NUMBER: GWS-SA6E-830-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2738.1	7.8			
FM	(30°-60°)	12738.7	36.5			
FH	(60°-80°)	11857.7	33.9			G4/12000
FVH	(80°-90°)	519.2	1.5			G4/750
BL	(0°-30°)	1894.4	5.4	B3/2500		
BM	(30°-60°)	2505.9	7.2	B3/5000		
BH	(60°-80°)	2585.5	7.4	B4/5000		G4/5000
BVH	(80°-90°)	105.3	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type II Short



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REPORT NUMBER: P643422
CATALOG NUMBER: GWS-SA6E-830-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8	*7721.8*	7721.8	7721.8
2.5°	7232.3	7257.8	7242.5	7339.4	7344.5	7466.9	7535.7	7594.3	*7599.4*	7675.9	7726.9
5°	6737.8	6753.1	6753.1	6844.9	6906.0	7069.2	7227.2	7395.5	*7408.2*	7591.8	7732.0
7.5°	6337.5	6352.8	6342.6	6465.0	6544.0	6725.0	6926.4	7183.9	*7209.4*	7505.1	7749.9
10°	6024.0	6018.9	6044.4	6156.5	6258.5	6475.2	6699.5	6992.7	*7031.0*	7405.7	7770.2
12.5°	5809.8	5814.9	5830.2	5947.5	6057.1	6271.3	6503.2	6821.9	*6862.7*	7291.0	7760.0
15°	5707.9	5697.7	5710.4	5817.5	5922.0	6110.7	6350.3	6679.1	*6719.9*	7189.0	7762.6
17.5°	5684.9	5677.3	5674.7	5751.2	5830.2	6006.1	6235.6	6569.5	*6612.9*	7122.7	7777.9
20°	5756.3	5746.1	5718.1	5751.2	5784.3	5932.2	6154.0	6490.5	*6538.9*	7079.4	7808.5
22.5°	5952.6	5934.8	5891.4	5850.6	5807.3	5896.5	6103.0	6431.9	*6480.3*	7051.3	7839.1
25°	6250.9	6235.6	6189.7	6097.9	5939.9	5924.6	6092.8	6406.4	*6454.8*	7031.0	7851.8
27.5°	6661.3	6638.4	6592.5	6459.9	6202.4	6029.1	6131.0	6403.8	*6449.7*	7008.0	7839.1
30°	7148.2	7132.9	7107.4	6946.8	6602.7	6250.9	6217.7	6424.2	*6459.9*	6995.3	7813.6
32.5°	7642.8	7627.5	7647.9	7571.4	7148.2	6618.0	6406.4	6480.3	*6505.8*	6992.7	7790.6
35°	8078.7	8096.6	8244.4	8257.2	7841.6	7115.1	6704.6	6610.3	*6615.4*	7043.7	7800.8
37.5°	8535.0	8603.9	8797.6	8963.3	8616.6	7772.8	7148.2	6855.0	*6850.0*	7173.7	7864.6
40°	9139.2	9169.8	9417.1	9728.1	9511.4	8675.2	7777.9	7255.3	*7219.6*	7438.8	8035.4
42.5°	9728.1	9802.0	10197.2	10554.1	10482.7	9692.4	8570.7	7854.4	*7790.6*	7907.9	8387.2
45°	10477.6	10549.0	10992.6	11451.4	11581.4	10842.1	9585.3	8705.8	*8642.1*	8614.1	9032.1
47.5°	11227.1	11301.0	11698.7	12361.5	12817.8	12279.9	10905.9	9830.1	*9725.6*	9615.9	10006.0
50°	11731.8	11818.5	12198.4	12993.7	14064.4	14074.6	12471.1	11303.6	*11171.0*	10997.7	11377.5
52.5°	11714.0	11770.1	12132.1	13049.8	14961.8	16137.0	14566.7	13179.8	*13072.8*	12695.5	13026.9
55°	10793.7	10877.8	11242.4	12389.6	15058.7	18092.3	17646.2	15392.6	*15201.4*	14525.9	14890.4
57.5°	8945.5	9016.8	9383.9	10798.8	14199.6	19094.2	21556.8	18212.1	*17949.6*	16519.4	16940.1
60°	6753.1	6666.4	6839.8	8078.7	12144.8	19119.7	25008.6	22036.1	*21597.6*	18650.6	19002.4
62.5°	5068.0	4981.3	5019.6	5368.8	8234.2	17574.8	26976.6	27267.2	*26543.2*	21057.2	20988.3
65°	4004.9	3956.5	4066.1	4305.8	4800.3	13383.8	26991.9	32924.1	*32467.8*	23846.1	23025.2
67.5°	*3263.1*	*3232.5*	*3344.7*	*3788.2*	*3892.8*	*7191.6*	*24203.0*	*35565.2*	*35743.6*	*26900.1*	*24914.2*
70°	2628.3	2582.4	2758.3	3342.1	3620.0	4351.6	17337.7	34219.2	*34507.2*	28720.3	24381.4
72.5°	1815.1	1817.6	1906.9	2707.3	3495.1	3757.7	9807.1	28493.4	*29118.0*	27070.9	21434.5
75°	1223.7	1233.9	1259.4	1787.1	3219.8	3645.5	5226.1	21572.1	*22013.1*	22375.1	17717.6
77.5°	739.3	744.4	803.0	1080.9	2220.4	3403.3	3541.0	15637.4	*15984.1*	14750.2	10982.4
80°	428.3	446.1	499.7	724.0	1499.0	2556.9	2740.5	9587.9	*9980.5*	6556.8	3490.0
82.5°	188.6	201.4	272.8	420.6	874.4	2174.5	2138.9	3788.2	*3732.2*	1827.8	1210.9
85°	33.1	40.8	58.6	132.6	321.2	1147.2	1659.6	1672.3	*1572.9*	693.4	502.2
87.5°	0.0	0.0	0.0	0.0	0.0	7.6	249.8	448.7	*446.1*	196.3	173.4
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: P643422
CATALOG NUMBER: GWS-SA6E-830-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8	7721.8
2.5°	7760.0	7691.2	7752.4	7760.0	7747.3	7737.1	7660.6	7594.3	7586.7	7515.3	7515.3
5°	7788.1	7724.4	7754.9	7696.3	7604.5	7510.2	7347.1	7234.9	7183.9	7092.1	7092.1
7.5°	7826.3	7760.0	7724.4	7579.0	7364.9	7158.4	6895.8	6676.6	6587.4	6457.4	6452.3
10°	7862.0	7777.9	7655.5	7372.6	7031.0	6702.1	6319.7	6008.7	5797.1	5641.6	5641.6
12.5°	7859.5	7749.9	7507.7	7089.6	6618.0	6141.2	5631.4	5162.3	4881.9	4639.7	4624.4
15°	7854.4	7704.0	7319.0	6760.7	6136.1	5475.9	4782.5	4170.6	3755.1	3518.0	3497.6
17.5°	7849.3	7645.3	7107.4	6386.0	5549.8	4649.9	3734.7	3071.9	2725.2	2579.9	2585.0
20°	7849.3	7579.0	6880.5	5955.1	4874.2	3660.8	2740.5	2258.7	2172.0	2179.6	2187.3
22.5°	7826.3	7497.5	6628.2	5486.1	4122.2	2692.1	2021.6	1858.4	1904.3	1975.7	1985.9
25°	7772.8	7362.4	6335.0	4966.0	3227.4	1960.4	1649.4	1618.8	1702.9	1792.2	1817.6
27.5°	7688.7	7206.9	6006.1	4356.7	2375.9	1575.5	1450.5	1448.0	1514.3	1580.6	1603.5
30°	7599.4	7033.5	5659.4	3678.6	1720.8	1371.5	1323.1	1323.1	1356.2	1397.0	1391.9
32.5°	7494.9	6857.6	5287.2	2972.5	1402.1	1256.8	1241.5	1233.9	1239.0	1254.3	1254.3
35°	7405.7	6702.1	4904.8	2225.5	1256.8	1193.1	1177.8	1159.9	1152.3	1142.1	1147.2
37.5°	7372.6	6579.7	4509.7	1677.4	1185.4	1147.2	1121.7	1096.2	1078.4	1073.3	1070.7
40°	7426.1	6528.7	4114.6	1381.7	1134.4	1098.7	1070.7	1037.6	1022.3	1022.3	1022.3
42.5°	7635.1	6567.0	3711.8	1249.2	1098.7	1058.0	1017.2	986.6	981.5	986.6	989.1
45°	8017.5	6714.8	3293.7	1182.9	1068.2	1017.2	968.7	945.8	945.8	950.9	950.9
47.5°	8700.7	7102.3	2880.7	1142.1	1037.6	984.0	933.0	910.1	907.5	912.6	912.6
50°	9883.6	7800.8	2508.5	1114.0	1014.6	958.5	907.5	877.0	869.3	866.8	866.8
52.5°	11374.9	9011.8	2271.4	1093.6	986.6	930.5	879.5	838.7	823.4	815.8	815.8
55°	13177.3	10625.5	2271.4	1078.4	950.9	897.4	838.7	797.9	775.0	764.8	764.8
57.5°	15219.3	12504.3	2664.0	1065.6	922.8	859.1	795.4	754.6	729.1	713.8	713.8
60°	17297.0	14490.2	3635.3	1047.8	897.4	810.7	746.9	708.7	675.6	657.7	655.2
62.5°	19451.1	16677.5	4915.0	1058.0	879.5	764.8	696.0	652.6	624.6	606.7	604.2
65°	21424.3	18760.2	6034.2	1137.0	882.1	724.0	637.3	599.1	576.1	553.2	550.6
67.5°	*23099.1*	*19910.0*	*5249.0*	*1297.6*	*935.6*	*675.6*	*578.7*	*540.5*	*520.1*	*504.8*	*502.2*
70°	21926.5	18156.1	2977.6	1397.0	1009.5	624.6	512.4	486.9	466.5	456.3	453.8
72.5°	18750.1	15372.2	1991.0	1233.9	920.3	558.3	451.2	430.8	415.5	402.8	400.2
75°	15188.7	12190.7	1521.9	1012.1	716.4	453.8	387.5	372.2	356.9	344.2	341.6
77.5°	8986.3	7043.7	1121.7	800.5	504.8	354.4	321.2	308.5	293.2	283.0	280.4
80°	2868.0	2447.3	711.3	550.6	334.0	272.8	247.3	237.1	221.8	209.0	206.5
82.5°	1093.6	945.8	377.3	280.4	221.8	186.1	165.7	155.5	145.3	132.6	130.0
85°	484.4	453.8	209.0	150.4	119.8	91.8	81.6	76.5	63.7	53.5	51.0
87.5°	170.8	170.8	89.2	43.3	25.5	12.7	7.6	2.5	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

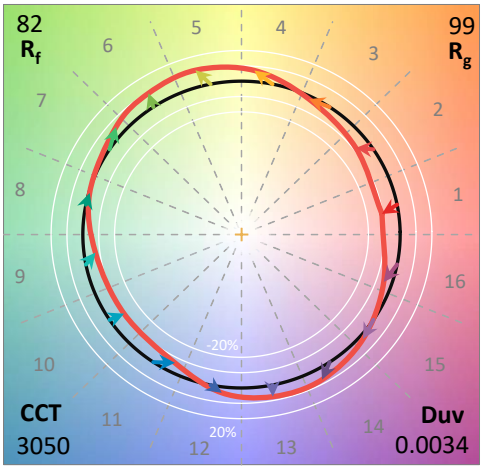
Test Information

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

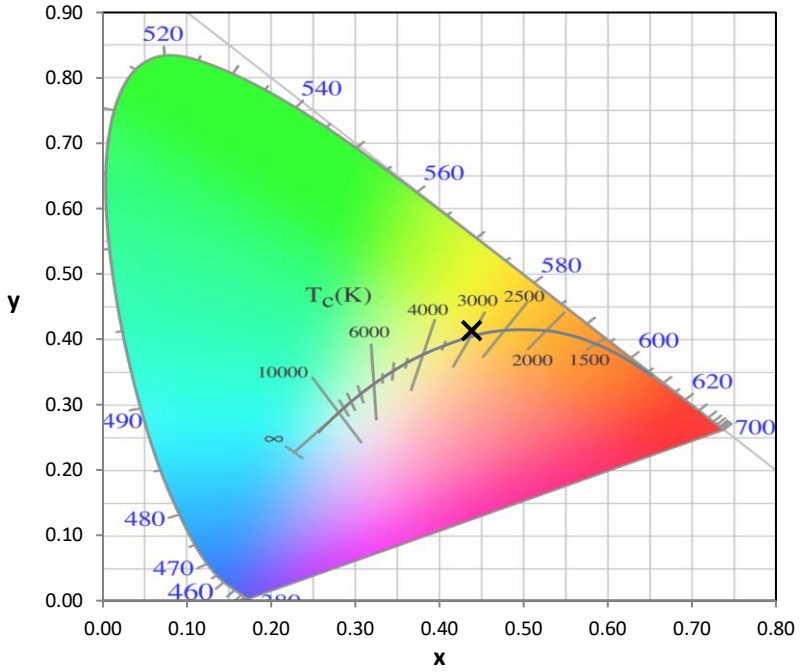
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

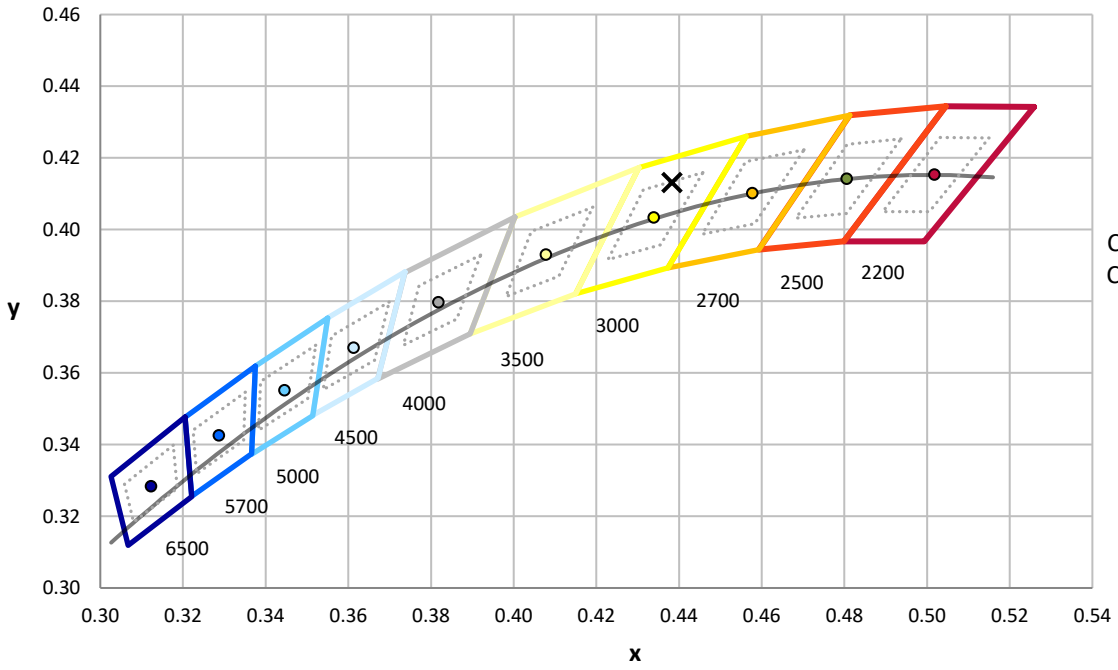
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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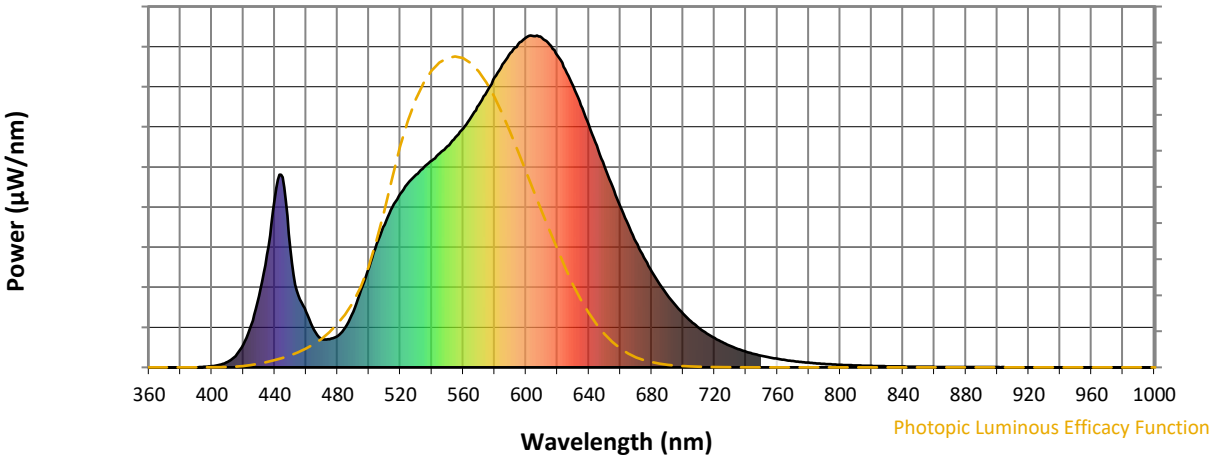
Photopic Flux vs. Wavelength



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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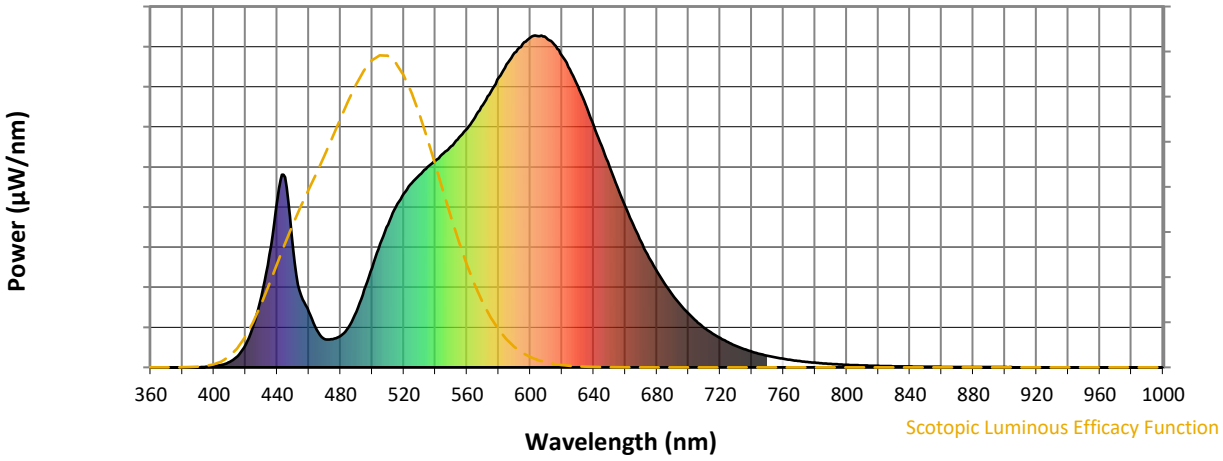
Scotopic Flux vs. Wavelength



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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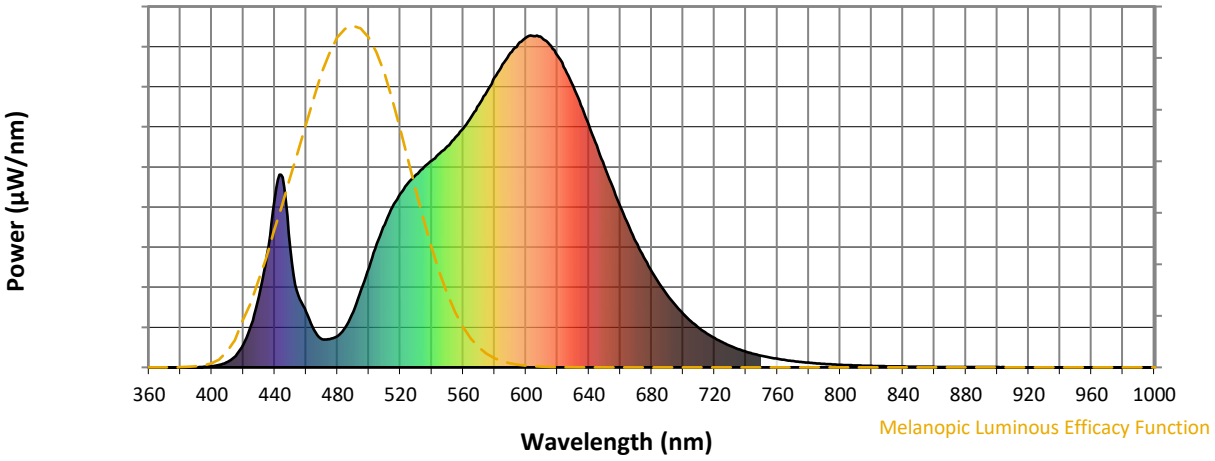
Melanopic Flux vs. Wavelength



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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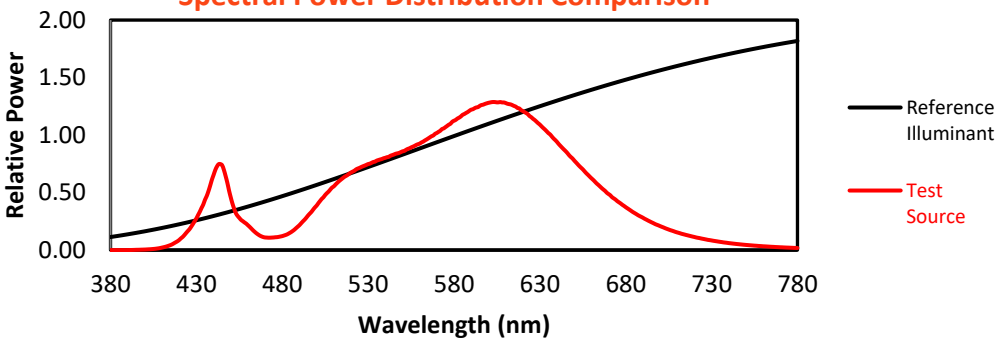
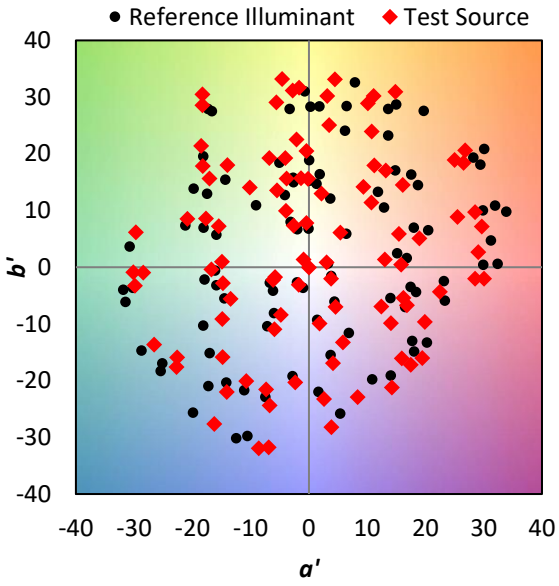
Summary

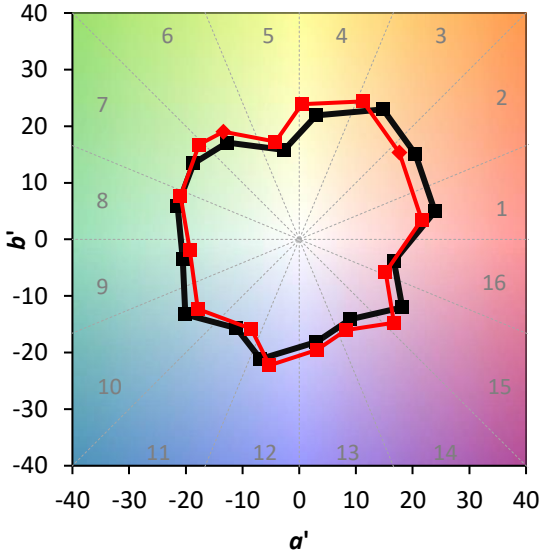
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

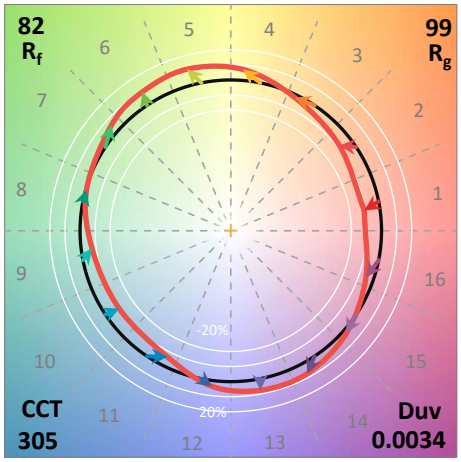
Spectral Power Distribution Comparison

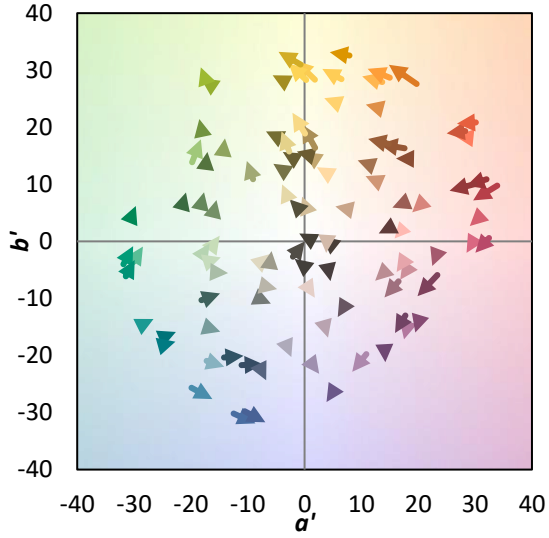


Color Vector Graphics









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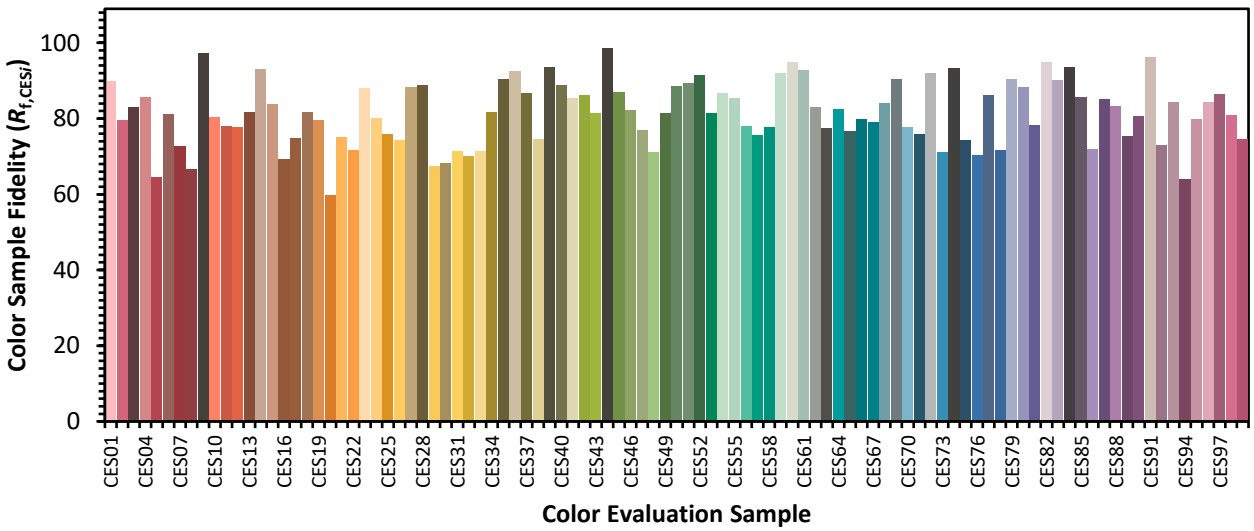
Individual Sample Fidelity Index ($R_{f,i}$)

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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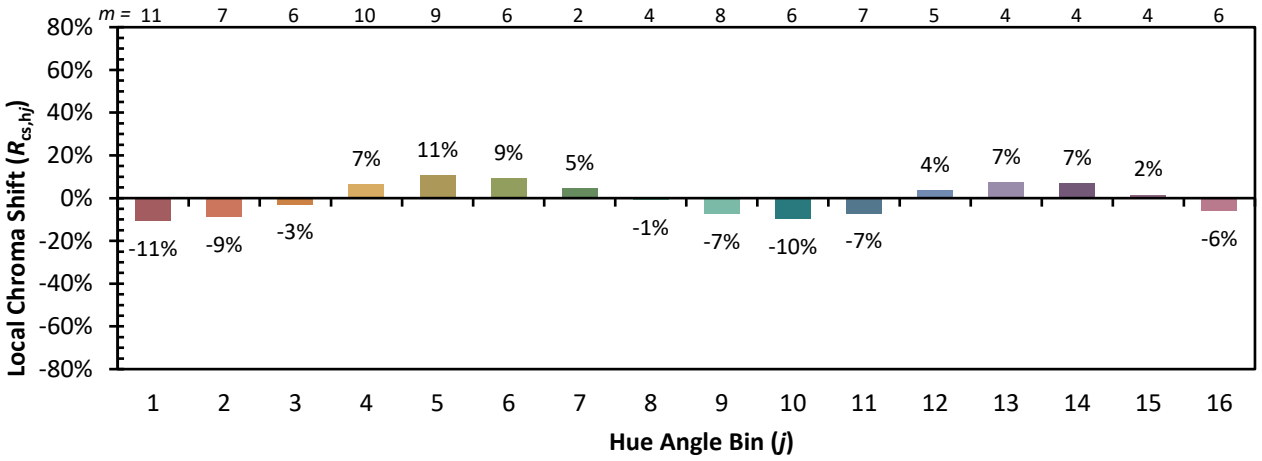
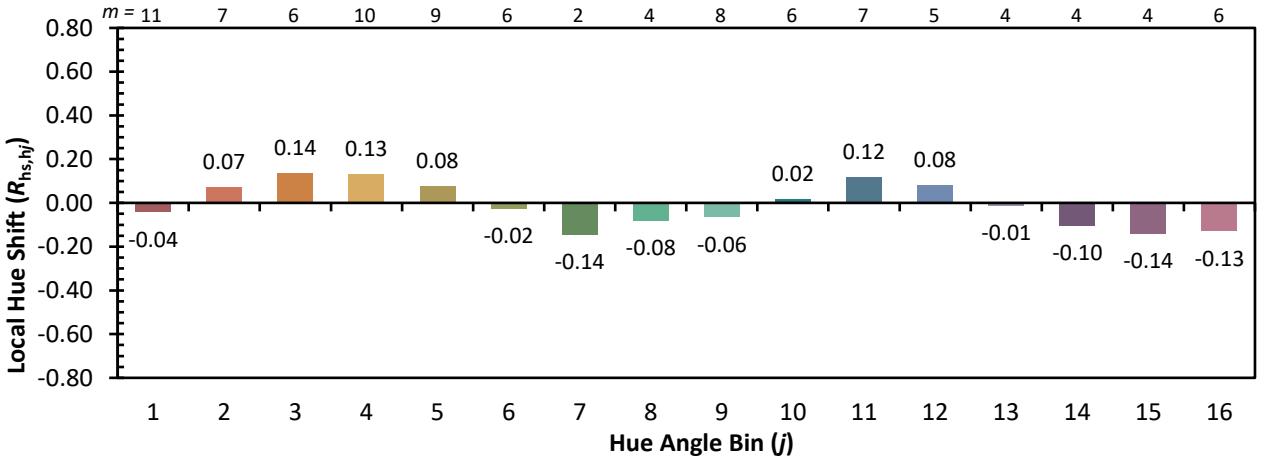
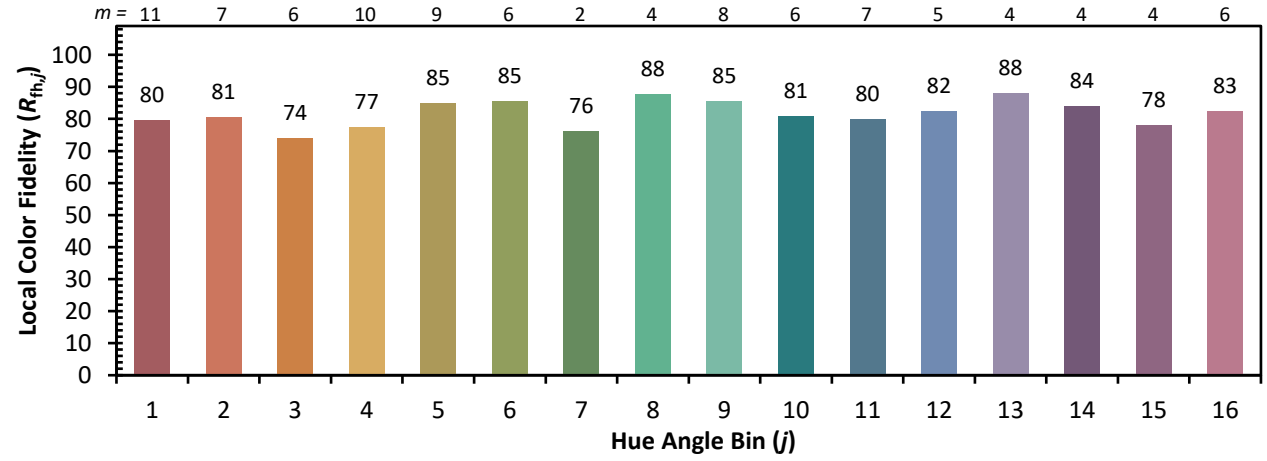
Color Rendition by Hue-Angle Bin







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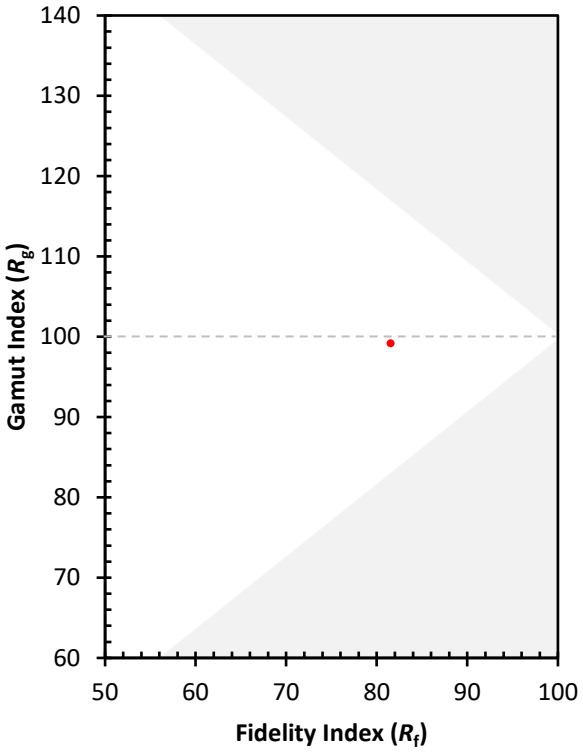
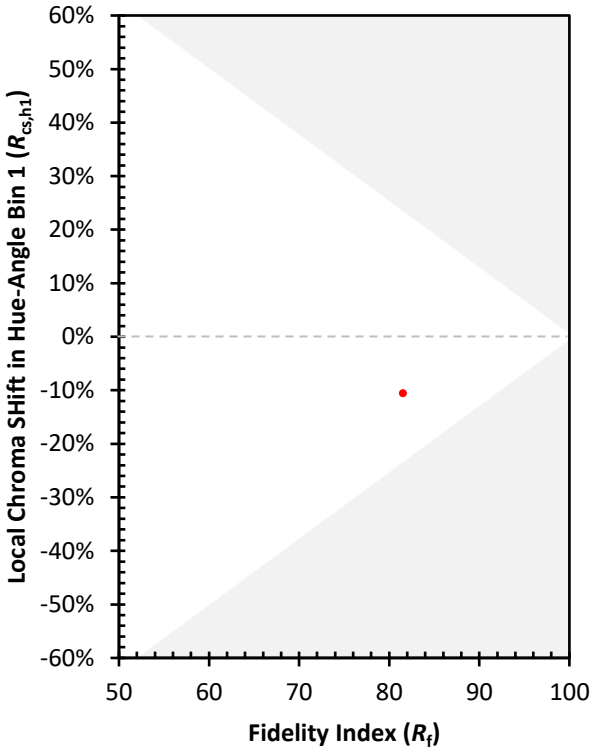
Measure Comparisons





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