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: P643421

Luminaire Tested: GWS-SA6E-830-U-SL2-W-HSS

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:	P643421
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
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-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28189.3 lumens
Efficiency:	N/A
Efficacy:	87.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - 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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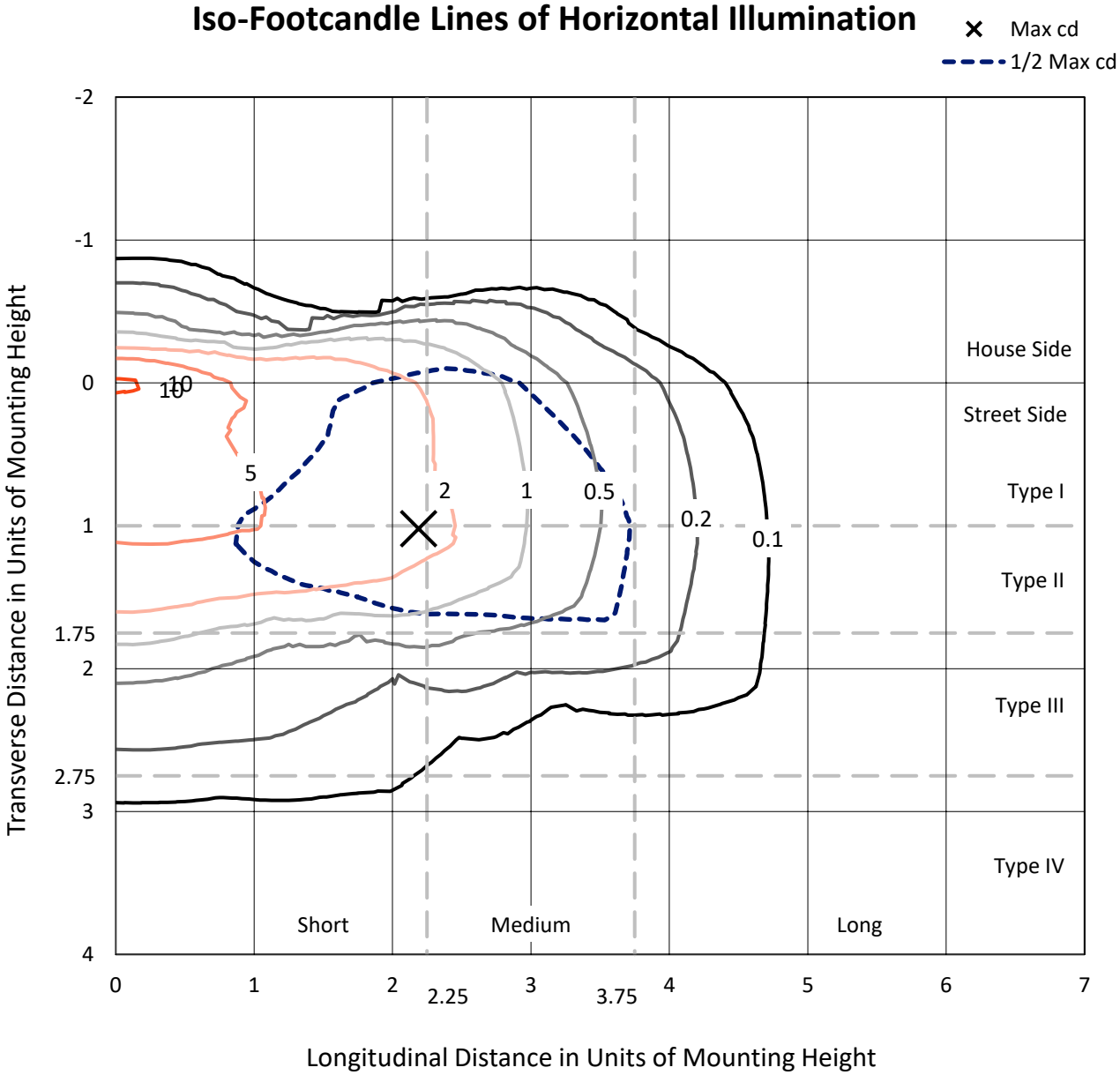
Scaled Data Report

REPORT NUMBER: P643421
CATALOG NUMBER: GWS-SA6E-830-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type II - Short - N/A

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REPORT NUMBER: P643421
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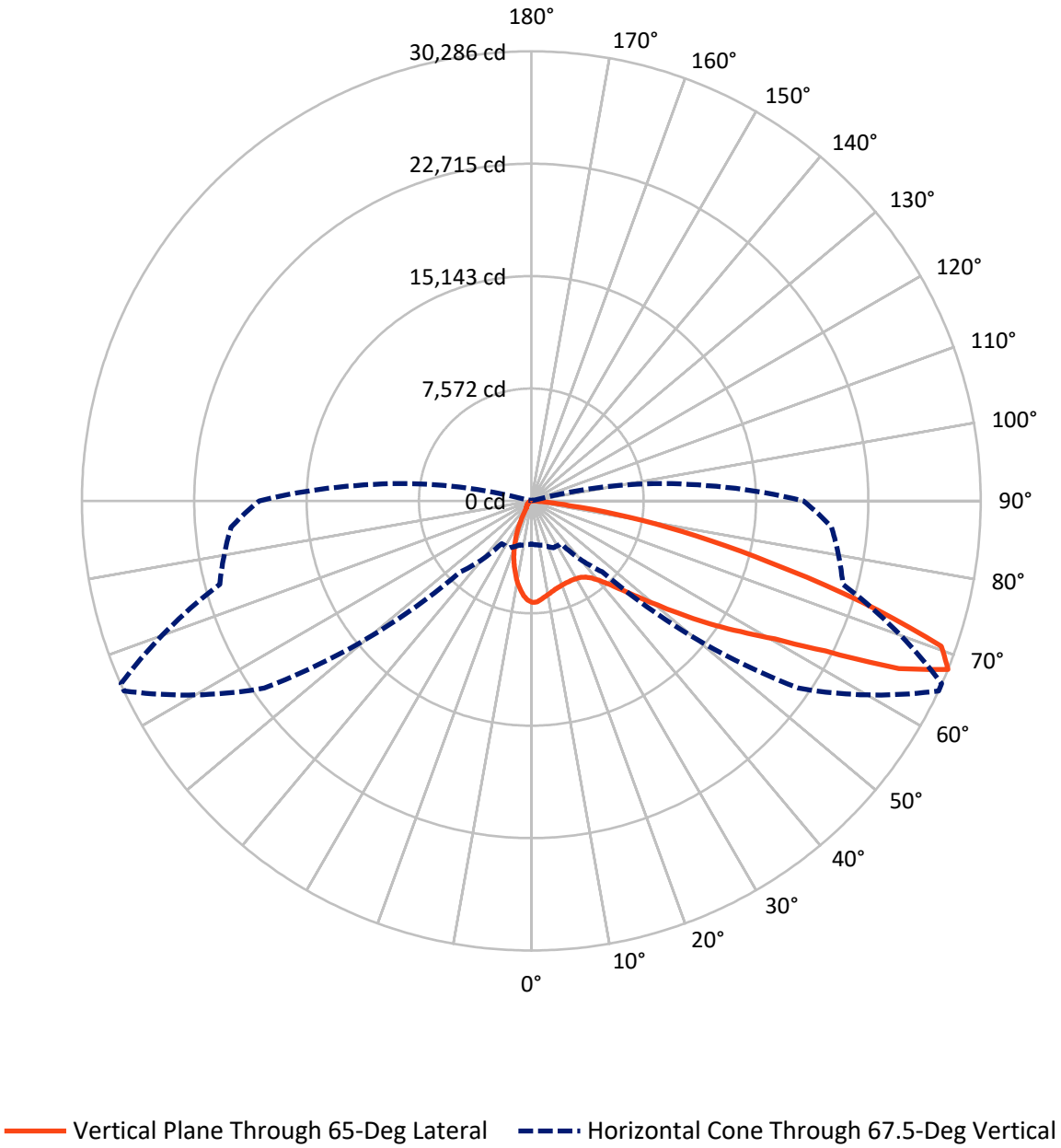
Luminous Intensity Polar Plot



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REPORT NUMBER: P643421
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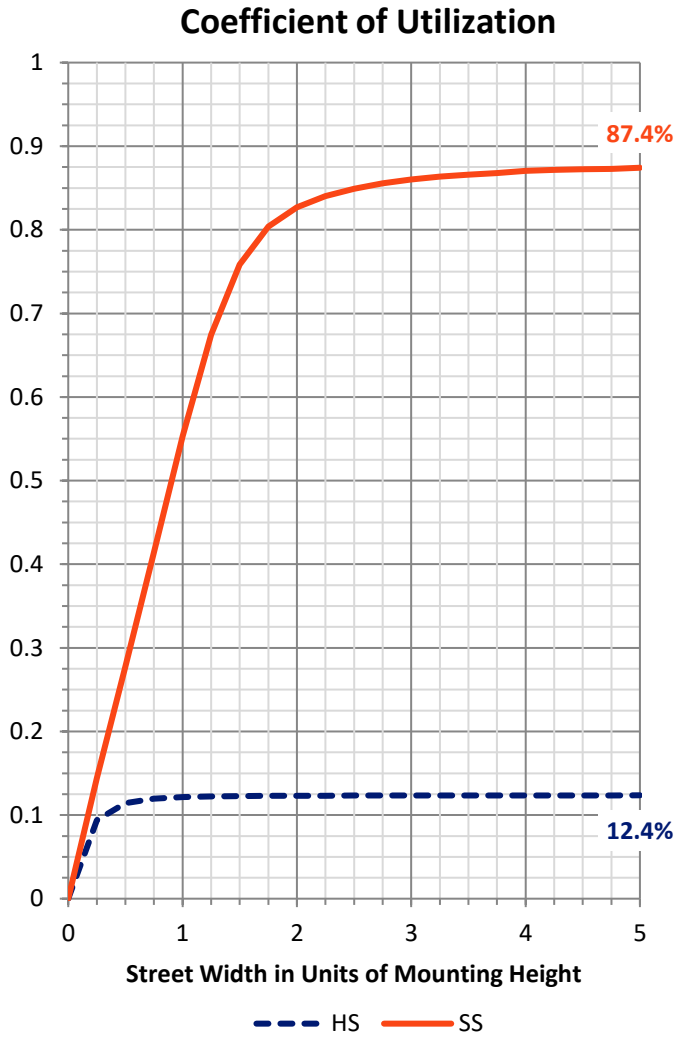
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3520.0	0.0	3520.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	24669.3	0.0	24669.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	28189.3	0.0	28189.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.8	2.0
10°-20°	1276.5	4.5
20°-30°	1824.0	6.5
30°-40°	2653.7	9.4
40°-50°	4156.1	14.7
50°-60°	6483.6	23.0
60°-70°	7121.9	25.3
70°-80°	3790.2	13.4
80°-90°	315.5	1.1
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°	28189.3	100.0
0°-180°	28189.3	100.0



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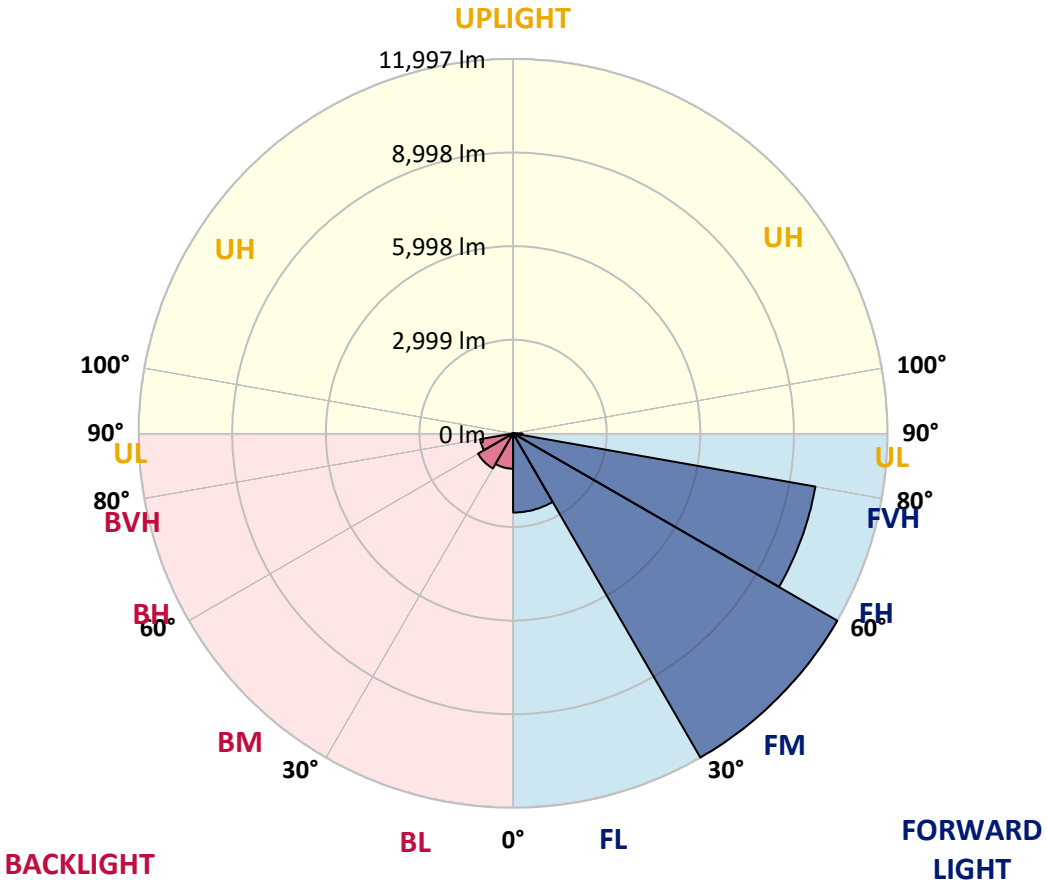
REPORT NUMBER: P643421
CATALOG NUMBER: GWS-SA6E-830-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2536.9	9.0			
FM	(30°-60°)	11996.8	42.6			
FH	(60°-80°)	9837.0	34.9			G4/12000
FVH	(80°-90°)	298.7	1.1			G3/500
BL	(0°-30°)	1131.4	4.0	B3/2500		
BM	(30°-60°)	1296.6	4.6	B2/2500		
BH	(60°-80°)	1075.1	3.8	B3/2500		G3/2500
BVH	(80°-90°)	16.9	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type II Short



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Scaled Data Report

REPORT NUMBER: P643421
CATALOG NUMBER: GWS-SA6E-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8
2.5°	6599.7	6620.1	6592.1	6660.9	6673.6	6750.1	6793.5	6824.0	6821.5	6859.7	6859.7
5°	6212.3	6232.6	6217.4	6291.3	6349.9	6469.7	6569.1	6683.8	6688.9	6806.2	6849.5
7.5°	5883.4	5886.0	5886.0	5977.7	6054.2	6202.1	6349.9	6525.8	6546.2	6727.2	6841.9
10°	5613.2	5620.9	5623.4	5727.9	5812.0	5990.5	6179.1	6390.7	6413.6	6658.4	6836.8
12.5°	5427.1	5429.7	5439.9	5549.5	5641.2	5827.3	6018.5	6260.7	6291.3	6579.3	6813.9
15°	5337.9	5332.8	5337.9	5429.7	5521.4	5699.9	5896.2	6156.2	6189.3	6513.1	6816.4
17.5°	5332.8	5325.2	5320.1	5388.9	5447.5	5605.6	5804.4	6087.3	6123.0	6482.5	6844.4
20°	5406.7	5401.6	5376.1	5406.7	5419.5	5549.5	5745.8	6033.8	6069.5	6477.4	6905.6
22.5°	5600.5	5587.7	5549.5	5521.4	5452.6	5529.1	5705.0	5995.6	6036.4	6490.1	6984.6
25°	5888.5	5883.4	5835.0	5766.2	5590.3	5559.7	5707.5	5995.6	6033.8	6505.4	7068.8
27.5°	6321.9	6291.3	6230.1	6110.3	5857.9	5679.5	5758.5	6010.9	6049.1	6525.8	7137.6
30°	6762.9	6760.3	6739.9	6617.6	6242.8	5908.9	5865.6	6051.7	6087.3	6543.6	7201.3
32.5°	7219.2	7226.8	7277.8	7183.5	6773.1	6250.5	6059.3	6135.8	6161.3	6579.3	7257.4
35°	7652.5	7667.8	7802.9	7836.1	7418.0	6768.0	6375.4	6304.0	6306.6	6658.4	7331.3
37.5°	8068.0	8119.0	8335.7	8496.3	8221.0	7395.1	6831.7	6589.5	6569.1	6816.4	7443.5
40°	8539.6	8636.5	8909.2	9182.0	9095.3	8223.5	7453.7	7028.0	6984.6	7107.0	7644.9
42.5°	9062.2	9166.7	9528.7	9911.1	9951.8	9225.3	8231.2	7667.8	7593.9	7596.4	8022.1
45°	9623.0	9763.2	10183.8	10734.4	10981.7	10341.9	9189.6	8532.0	8458.0	8348.4	8628.8
47.5°	10359.7	10482.1	10887.4	11522.1	11996.3	11540.0	10446.4	9643.4	9508.3	9347.7	9572.0
50°	10994.4	11101.5	11450.7	12246.1	13232.6	13084.7	11871.3	11032.7	10902.7	10629.9	10816.0
52.5°	11134.6	11218.8	11540.0	12434.7	14178.3	15034.8	13617.5	12712.6	12620.8	12116.1	12187.4
55°	10505.0	10632.5	10920.5	11914.7	14425.6	16941.6	15883.7	14606.6	14415.4	13609.9	13737.3
57.5°	8914.3	9141.2	9411.4	10703.8	13755.2	17956.1	19049.7	16612.7	16439.4	15047.6	15050.1
60°	6533.4	6717.0	6898.0	8080.8	12164.5	17887.3	21922.6	18866.2	18550.1	16222.7	16179.4
62.5°	4751.6	4845.9	4843.4	5264.0	8353.5	16709.6	23431.7	22261.6	21524.9	17479.5	17232.2
65°	3737.0	3734.5	3844.1	3981.8	4664.9	12898.6	23617.8	27219.7	26424.4	19164.4	18649.5
67.5°	2908.6	2964.6	3074.3	3479.6	3505.1	6750.1	21981.2	30286.3	30271.0	21736.5	20309.0
70°	2243.2	2319.7	2475.2	3066.6	3237.4	3777.8	16447.1	29315.1	29562.4	22886.2	19133.8
72.5°	1440.3	1435.2	1664.6	2477.8	3110.0	3148.2	9095.3	23286.4	23566.8	20729.6	15470.7
75°	805.5	810.6	940.6	1516.7	2898.4	2962.1	4504.3	16605.1	16826.9	16161.5	11886.6
77.5°	316.1	326.3	441.0	797.9	1911.9	2646.0	2676.6	11323.3	11356.4	10015.6	7290.5
80°	127.5	135.1	224.3	494.5	1165.0	1781.8	1911.9	6671.1	6536.0	3877.2	2120.9
82.5°	38.2	40.8	89.2	280.4	609.2	1266.9	1289.9	2559.3	2416.6	833.6	540.4
85°	2.5	2.5	20.4	86.7	216.7	318.6	859.1	833.6	739.3	209.0	239.6
87.5°	0.0	0.0	2.5	2.5	5.1	10.2	91.8	152.9	155.5	38.2	107.1
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: P643421
CATALOG NUMBER: GWS-SA6E-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8	6836.8
2.5°	6859.7	6768.0	6760.3	6688.9	6617.6	6528.3	6423.8	6347.4	6293.8	6199.5	6181.7
5°	6849.5	6727.2	6612.5	6408.5	6181.7	5936.9	5722.8	5524.0	5399.1	5315.0	5279.3
7.5°	6829.1	6673.6	6408.5	6023.6	5643.8	5215.5	4881.6	4575.7	4366.7	4244.3	4190.8
10°	6813.9	6604.8	6174.0	5590.3	5001.4	4410.0	3902.7	3449.0	3196.6	2997.8	2964.6
12.5°	6783.3	6505.4	5873.2	5083.0	4323.3	3538.2	2890.7	2335.0	1950.1	1776.8	1715.6
15°	6752.7	6400.9	5572.4	4547.7	3584.1	2615.4	1830.3	1295.0	1029.9	948.3	943.2
17.5°	6747.6	6306.6	5246.1	4040.4	2809.2	1713.0	1042.6	838.7	782.6	762.2	762.2
20°	6762.9	6227.5	4924.9	3456.6	2047.0	1042.6	777.5	726.5	693.4	675.5	675.5
22.5°	6778.2	6146.0	4616.5	2867.8	1358.7	762.2	685.7	642.4	604.1	583.8	573.6
25°	6788.4	6056.8	4274.9	2276.4	887.1	662.8	601.6	545.5	499.6	474.1	474.1
27.5°	6785.8	5949.7	3930.8	1697.7	688.3	588.9	514.9	456.3	410.4	382.4	384.9
30°	6765.4	5832.4	3573.9	1185.4	601.6	514.9	441.0	379.8	333.9	311.0	308.4
32.5°	6750.1	5707.5	3160.9	833.6	540.4	451.2	374.7	316.1	277.9	260.0	257.5
35°	6732.3	5585.2	2768.4	634.7	486.9	390.0	316.1	267.7	237.1	221.8	221.8
37.5°	6737.4	5457.7	2342.7	545.5	433.4	339.0	270.2	229.4	203.9	188.6	186.1
40°	6816.4	5381.2	1924.6	494.5	384.9	293.2	234.5	198.8	173.3	158.0	155.5
42.5°	7012.7	5383.8	1524.4	456.3	341.6	249.8	203.9	170.8	147.9	130.0	127.5
45°	7405.3	5490.8	1170.1	415.5	295.7	216.7	175.9	145.3	122.4	107.1	104.5
47.5°	8047.6	5809.5	887.1	379.8	257.5	188.6	150.4	122.4	102.0	89.2	86.7
50°	9069.8	6385.6	698.5	336.5	216.7	163.1	127.5	102.0	84.1	71.4	68.8
52.5°	10298.5	7249.8	599.0	298.2	186.1	142.8	109.6	84.1	68.8	58.6	56.1
55°	11710.7	8282.2	553.2	260.0	158.0	122.4	89.2	68.8	56.1	48.4	43.3
57.5°	13005.7	9212.6	550.6	221.8	135.1	104.5	73.9	58.6	48.4	38.2	35.7
60°	14267.5	9990.1	517.5	183.5	117.3	86.7	63.7	48.4	40.8	33.1	30.6
62.5°	15412.1	10622.3	433.4	147.9	99.4	71.4	53.5	43.3	35.7	28.0	28.0
65°	16849.8	11427.8	331.4	119.8	81.6	58.6	45.9	38.2	33.1	25.5	25.5
67.5°	*18336.0*	*11853.5*	*237.1*	*99.4*	*66.3*	*51.0*	*40.8*	*35.7*	*28.0*	*22.9*	*22.9*
70°	16607.6	10015.6	170.8	81.6	56.1	43.3	35.7	33.1	28.0	22.9	20.4
72.5°	12970.0	7221.7	127.5	63.7	48.4	40.8	33.1	30.6	25.5	20.4	20.4
75°	9617.9	4211.2	96.9	51.0	38.2	33.1	33.1	30.6	25.5	20.4	17.8
77.5°	5228.3	1468.3	73.9	40.8	30.6	25.5	28.0	28.0	22.9	17.8	15.3
80°	1384.2	402.8	51.0	30.6	25.5	20.4	20.4	25.5	20.4	15.3	15.3
82.5°	402.8	117.3	35.7	25.5	20.4	17.8	17.8	17.8	15.3	12.7	10.2
85°	196.3	43.3	25.5	20.4	17.8	15.3	12.7	12.7	10.2	7.6	7.6
87.5°	86.7	17.8	20.4	17.8	17.8	12.7	10.2	7.6	7.6	5.1	2.5
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

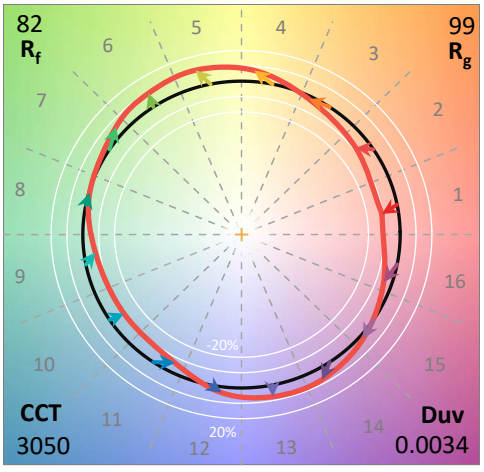
Test Information

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

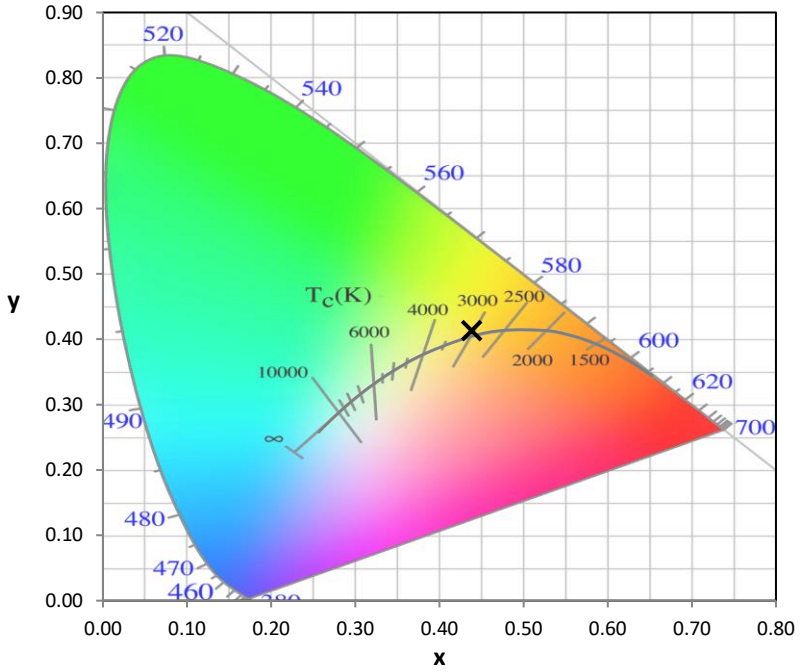
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

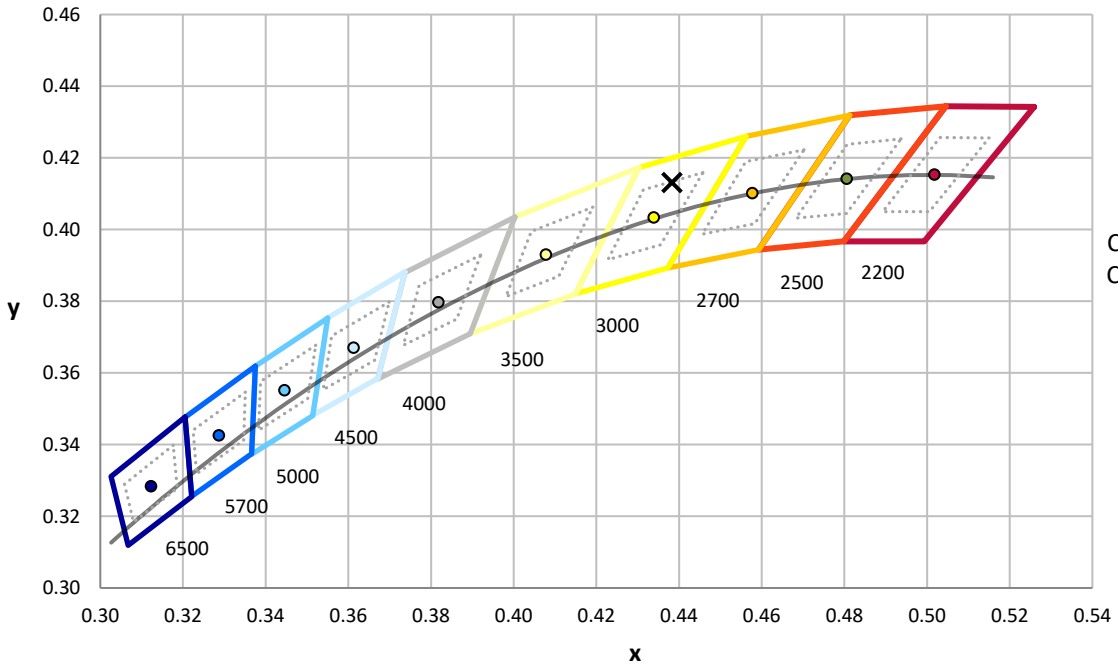
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

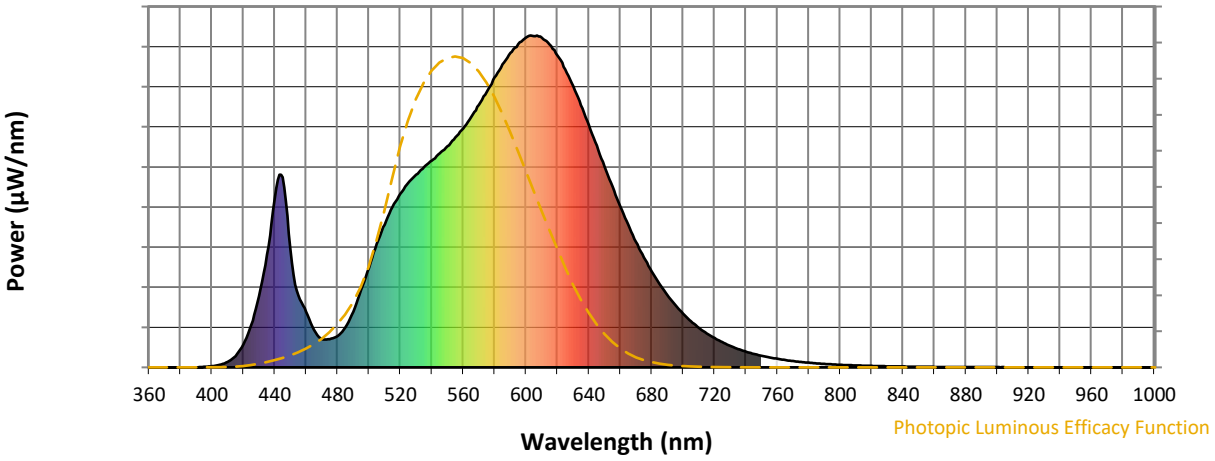


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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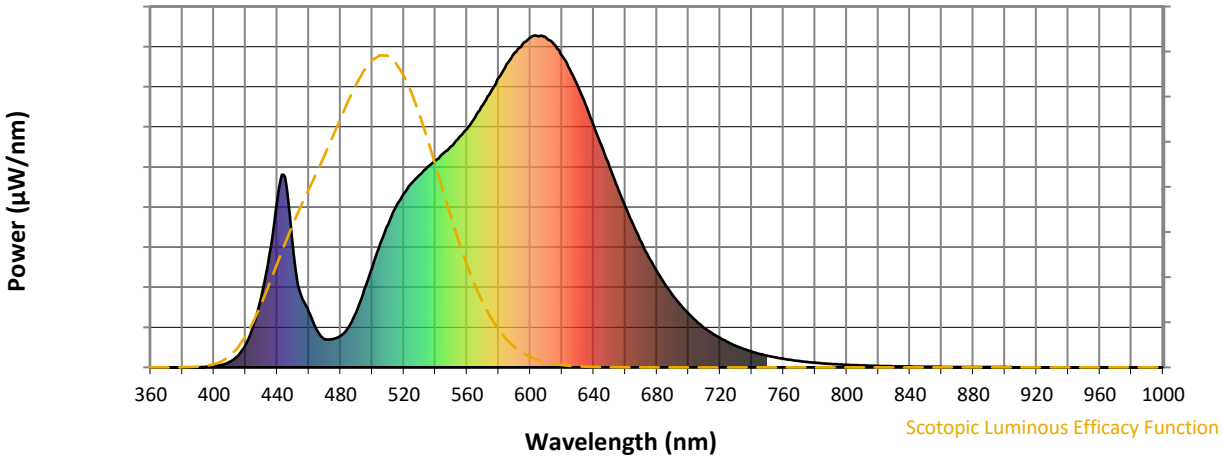
Scotopic Flux vs. Wavelength



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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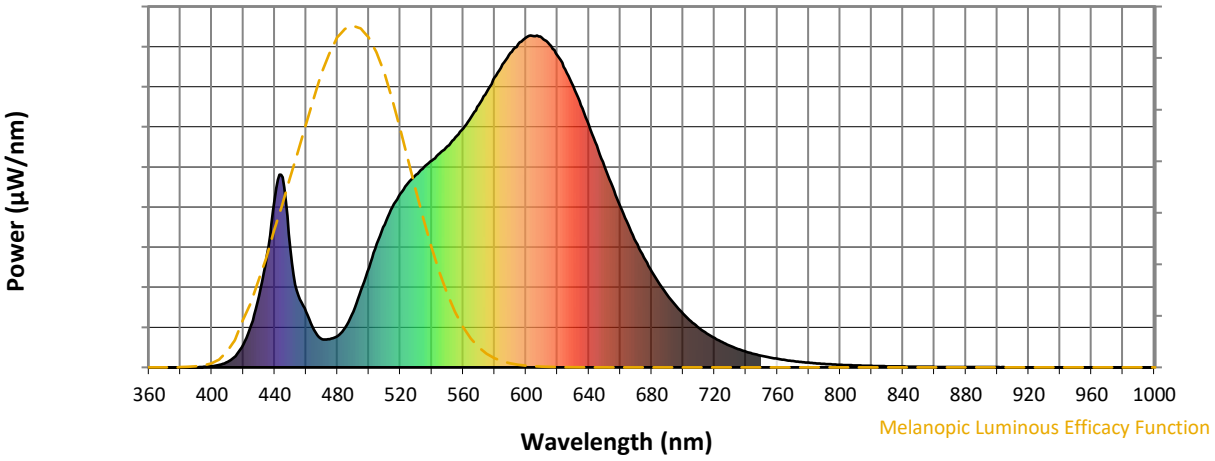
Melanopic Flux vs. Wavelength



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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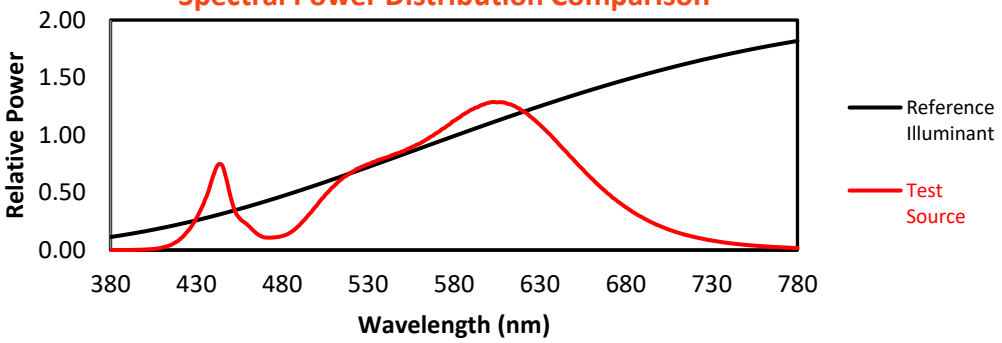
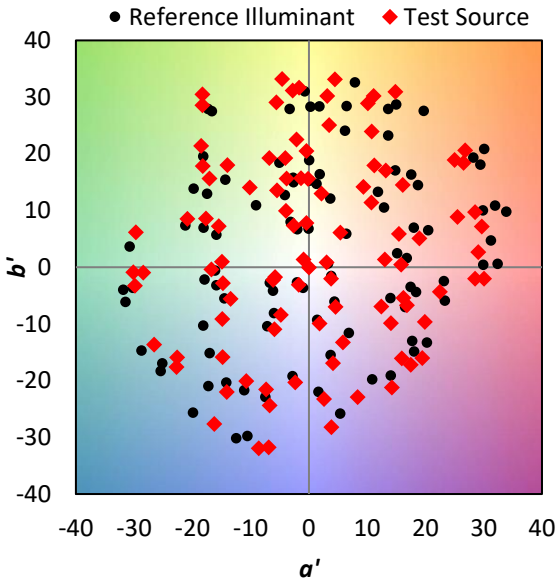
Summary

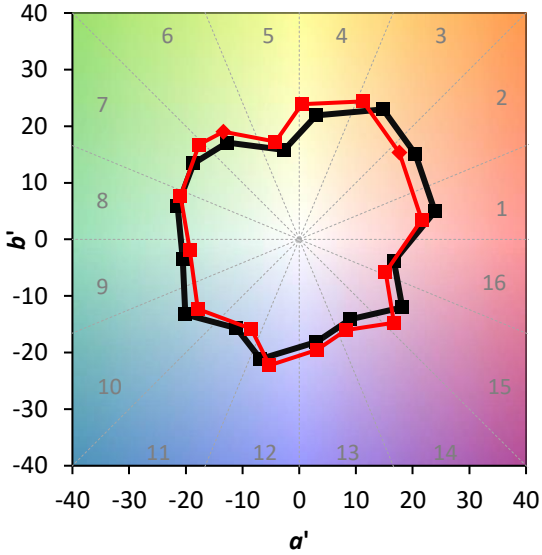
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

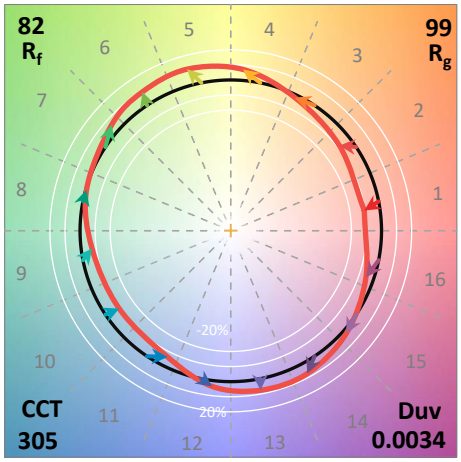
Spectral Power Distribution Comparison

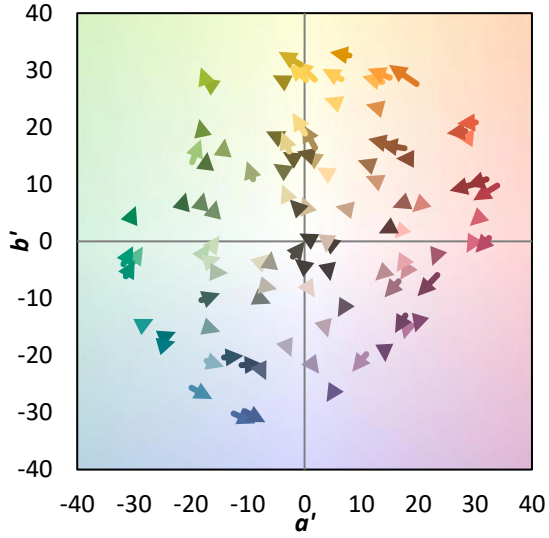


Color Vector Graphics









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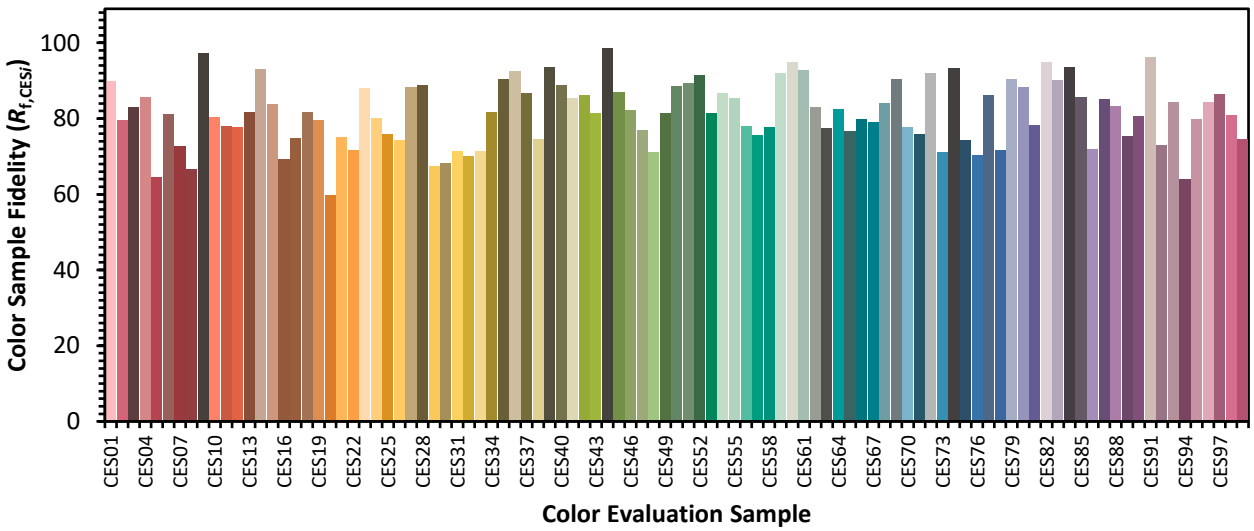
Individual Sample Fidelity Index ($R_{f,i}$)

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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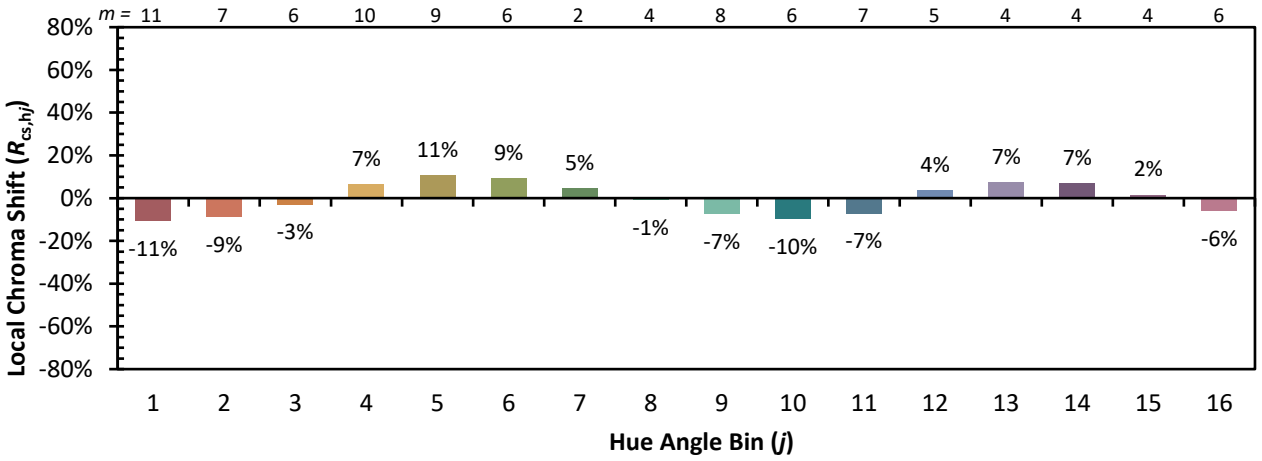
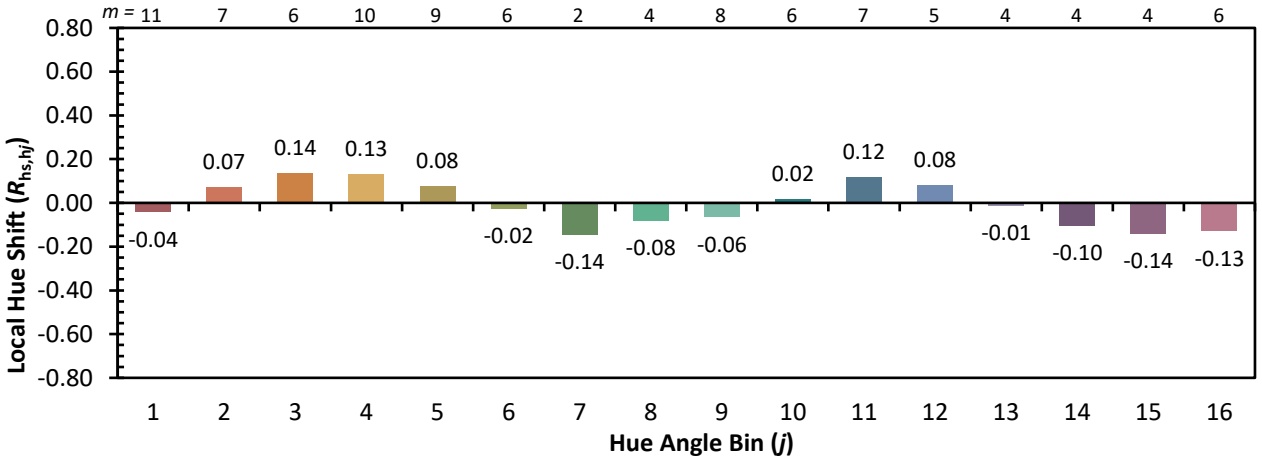
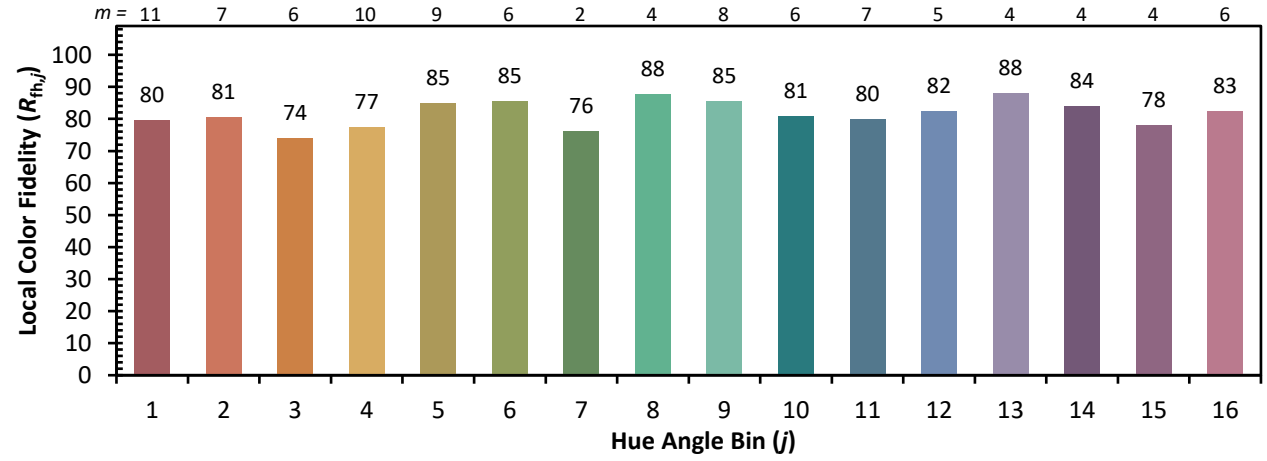
Color Rendition by Hue-Angle Bin







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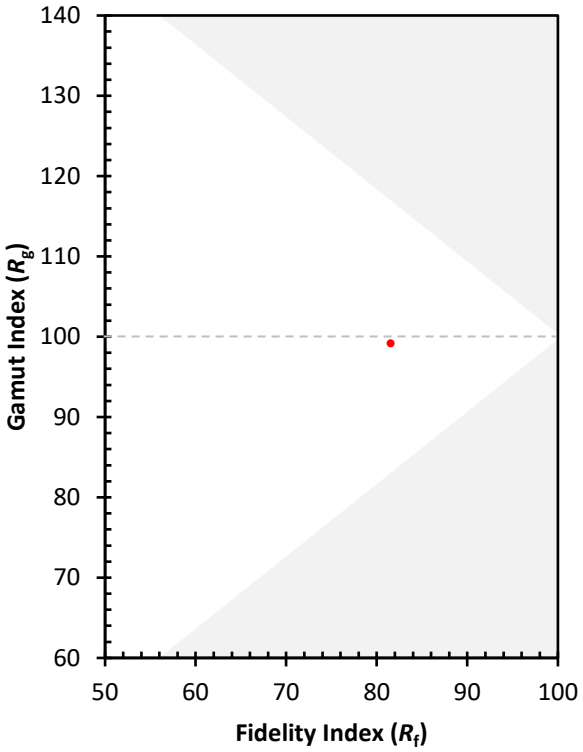
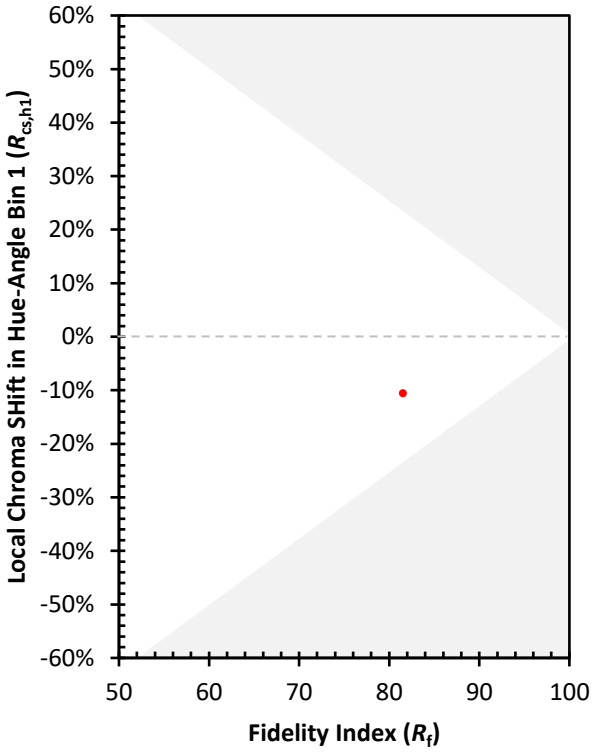
Measure Comparisons





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