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: P642931

Luminaire Tested: GWS-SA6D-830-U-SL3-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:	P642931
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-SL3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27882.1 lumens
Efficiency:	N/A
Efficacy:	113.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

Input Watts (W):	245.7
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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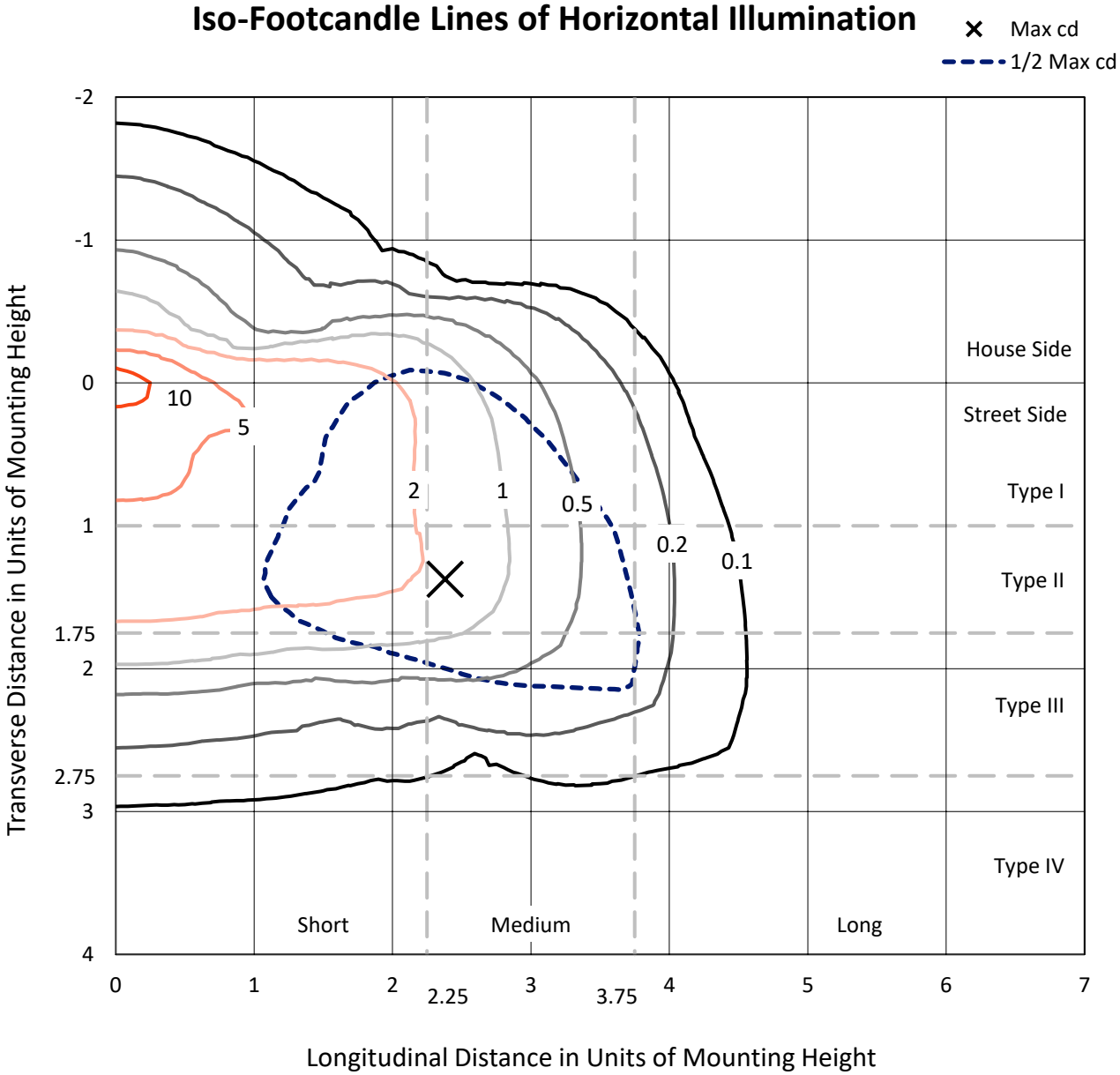
Scaled Data Report

REPORT NUMBER: P642931
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
Type III - Medium - N/A

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REPORT NUMBER: P642931
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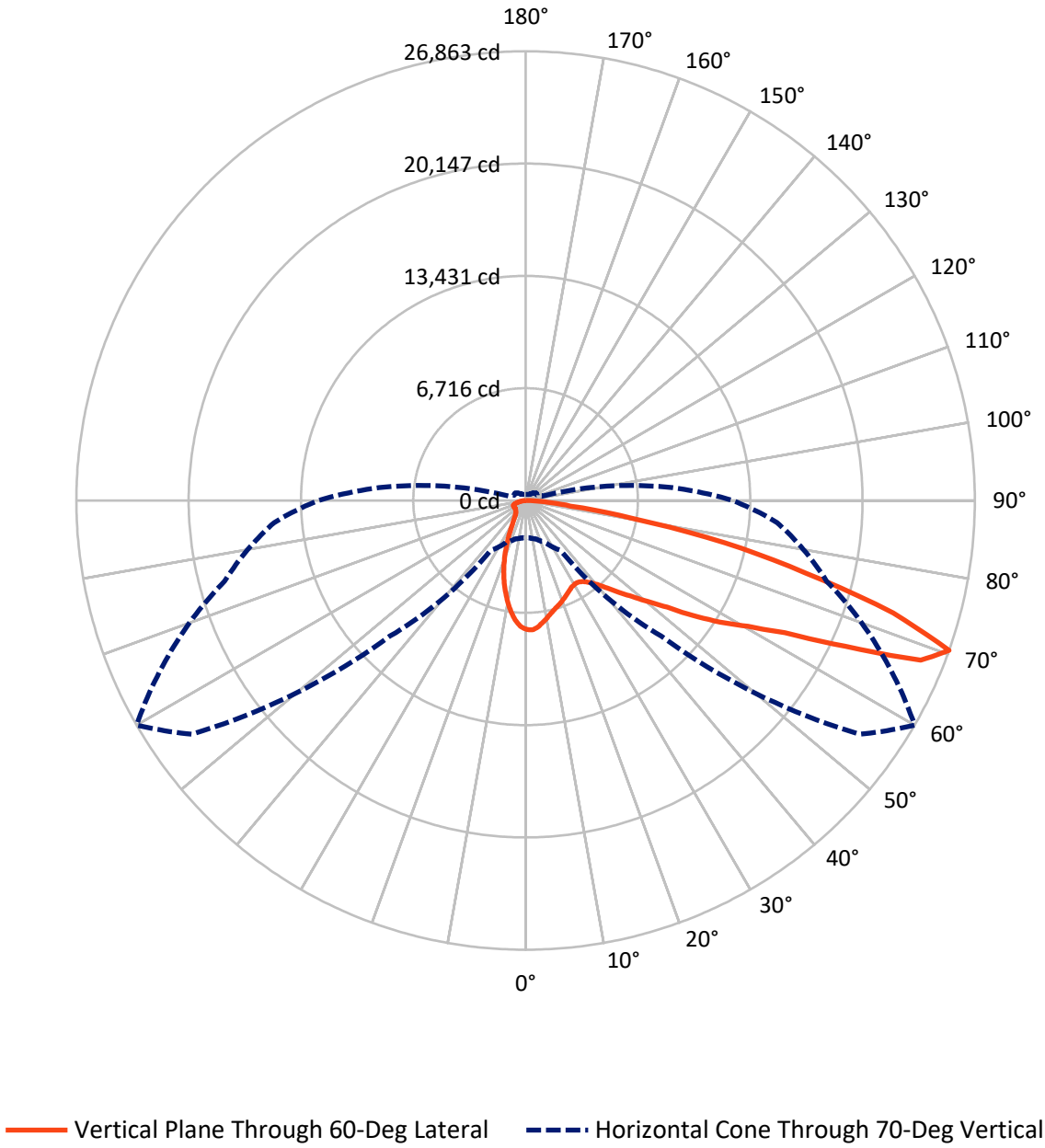
Luminous Intensity Polar Plot



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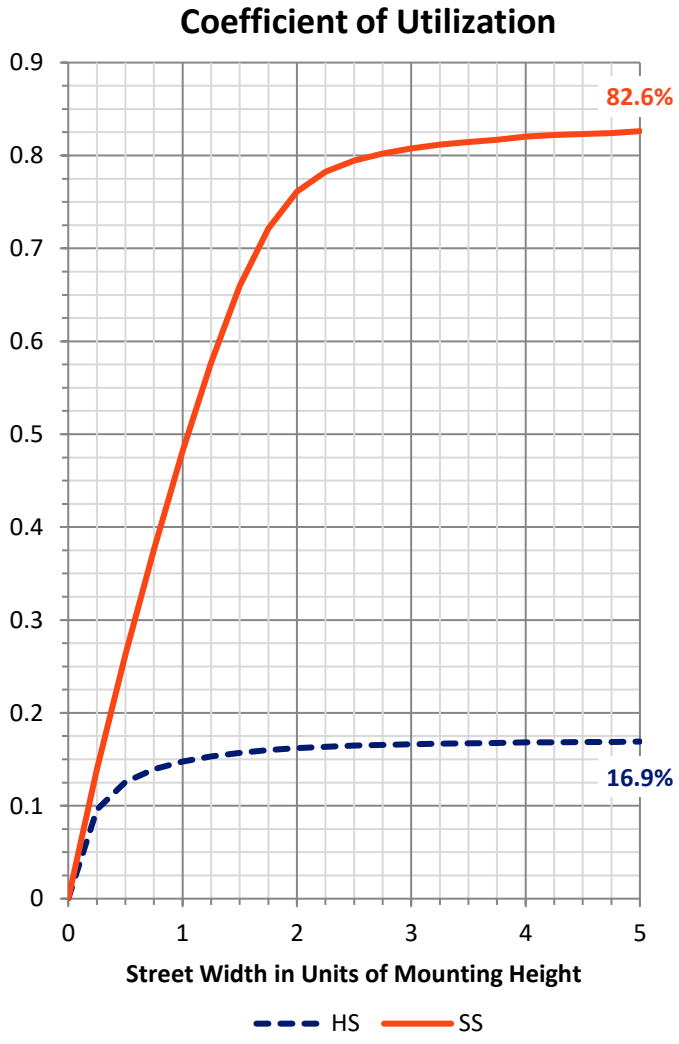
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4768.5	0.0	4768.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	23113.6	0.0	23113.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	27882.1	0.0	27882.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.0	2.4
10°-20°	1489.9	5.3
20°-30°	1908.0	6.8
30°-40°	2507.6	9.0
40°-50°	3638.2	13.0
50°-60°	5676.4	20.4
60°-70°	7431.5	26.7
70°-80°	4109.4	14.7
80°-90°	456.0	1.6
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°	27882.1	100.0
0°-180°	27882.1	100.0



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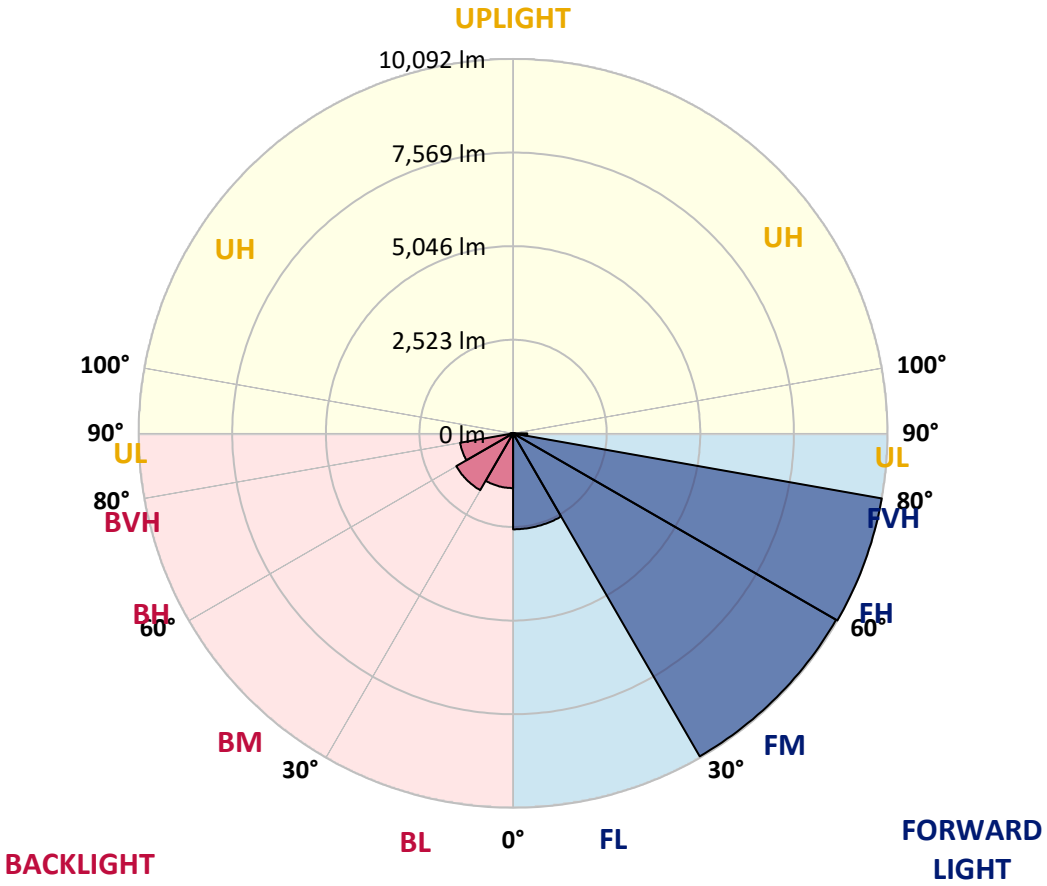
REPORT NUMBER: P642931
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2587.6	9.3			
FM	(30°-60°)	10054.2	36.1			
FH	(60°-80°)	10091.8	36.2			G4/12000
FVH	(80°-90°)	380.0	1.4			G3/500
BL	(0°-30°)	1475.3	5.3	B3/2500		
BM	(30°-60°)	1768.0	6.3	B2/2500		
BH	(60°-80°)	1449.1	5.2	B3/2500		G3/2500
BVH	(80°-90°)	76.0	0.3			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 III Medium



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REPORT NUMBER: P642931
CATALOG NUMBER: GWS-SA6D-830-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3
2.5°	7607.2	7615.4	7637.8	7670.5	7703.1	7719.4	7760.2	7748.0	7739.8	7723.5	7703.1
5°	7270.6	7286.9	7307.3	7370.6	7442.0	7499.1	7590.9	7601.1	7605.2	7613.3	7580.7
7.5°	6842.2	6846.3	6895.3	6978.9	7072.7	7170.7	7323.7	7366.5	7403.2	7444.0	7417.5
10°	6368.9	6379.1	6415.8	6536.2	6697.4	6842.2	7048.3	7119.7	7197.2	7286.9	7250.2
12.5°	5981.3	5983.4	6042.5	6171.0	6346.5	6542.3	6799.4	6885.1	6987.1	7127.8	7095.2
15°	5673.3	5673.3	5728.4	5838.5	6040.5	6271.0	6577.0	6687.2	6825.9	7015.6	6958.5
17.5°	5428.5	5430.5	5465.2	5581.5	5761.0	6016.0	6379.1	6528.0	6681.1	6932.0	6846.3
20°	5300.0	5289.8	5295.9	5367.3	5520.3	5767.1	6181.2	6354.6	6560.7	6874.9	6744.3
22.5°	5293.8	5275.5	5249.0	5255.1	5344.8	5548.8	5969.1	6179.2	6438.3	6827.9	6640.2
25°	5397.9	5377.5	5330.6	5277.5	5269.4	5391.8	5769.2	6007.8	6311.8	6807.5	6540.3
27.5°	5573.3	5559.0	5497.8	5418.3	5334.6	5330.6	5618.2	5867.1	6220.0	6827.9	6468.9
30°	5805.9	5781.4	5742.6	5640.6	5514.2	5383.6	5559.0	5791.6	6158.8	6893.2	6438.3
32.5°	6069.0	6054.8	6018.0	5916.0	5781.4	5573.3	5606.0	5807.9	6158.8	7007.5	6444.4
35°	6348.5	6346.5	6346.5	6279.2	6130.2	5871.2	5791.6	5946.6	6252.6	7191.1	6509.7
37.5°	6619.8	6617.8	6683.1	6707.6	6538.2	6258.8	6107.8	6224.1	6458.7	7462.4	6670.9
40°	6840.2	6848.3	6991.1	7113.5	7019.7	6760.6	6548.4	6607.6	6793.3	7847.9	6952.4
42.5°	7062.5	7085.0	7299.2	7515.4	7552.1	7327.7	7113.5	7148.2	7272.7	8357.9	7372.6
45°	7305.3	7315.5	7615.4	7917.3	8094.8	7962.2	7786.7	7833.7	7862.2	8988.3	7998.9
47.5°	7539.9	7566.4	7954.0	8368.1	8704.7	8692.5	8594.6	8580.3	8586.4	9755.4	8739.4
50°	7860.2	7898.9	8353.9	8853.7	9347.4	9573.8	9602.4	9494.2	9449.4	10608.1	9661.5
52.5°	8468.1	8468.1	8876.1	9367.8	10030.8	10591.8	10783.5	10606.0	10463.2	11509.8	10640.7
55°	9229.0	9261.7	9586.0	9983.8	10824.3	11662.8	12311.5	12115.7	11711.7	12491.0	11666.8
57.5°	9567.7	9608.5	10122.6	10740.7	11862.7	12880.7	13780.3	13710.9	13121.4	13511.0	12731.7
60°	8955.7	9041.3	9749.2	10785.6	12803.1	14845.2	15479.6	15277.7	14435.1	14582.0	13886.4
62.5°	7470.5	7564.4	8349.8	9796.2	12672.6	16968.8	18158.2	17413.6	16075.3	15934.6	15424.6
65°	4457.4	4453.4	5397.9	7315.5	11063.0	17558.4	22397.3	21008.1	18609.0	17791.0	17007.6
67.5°	2833.6	2827.5	3025.3	3876.0	7362.4	16114.1	25122.8	25483.9	22050.5	19155.7	17138.2
70°	2235.9	2233.8	2376.6	2764.2	3641.4	11466.9	24363.9	26862.9	24129.3	18635.5	15090.0
72.5°	1630.0	1634.1	1854.4	2315.4	2809.1	5756.9	19729.0	22984.9	22193.3	16450.7	12250.3
75°	1171.0	1177.1	1309.7	1772.8	2590.8	3147.7	13119.3	17283.0	16885.2	13186.7	8427.3
77.5°	744.6	752.8	869.0	1242.4	2093.1	2541.9	7954.0	12201.3	11234.4	7429.7	2996.8
80°	454.9	481.4	579.4	926.2	1672.8	1907.4	3976.0	6428.1	5626.4	2038.0	1007.8
82.5°	234.6	255.0	348.8	573.2	1152.6	1674.9	2250.1	2701.0	1742.2	852.7	536.5
85°	73.4	85.7	122.4	232.6	548.8	1038.4	1489.2	1342.3	799.7	401.9	248.9
87.5°	18.4	18.4	20.4	20.4	22.4	46.9	287.6	304.0	212.2	126.5	102.0
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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CATALOG NUMBER: GWS-SA6D-830-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3	7715.3
2.5°	7662.3	7613.3	7592.9	7590.9	7539.9	7466.5	7417.5	7382.8	7362.4	7358.3	7358.3
5°	7525.6	7462.4	7378.7	7315.5	7178.8	7040.1	6923.8	6858.5	6783.1	6772.9	6770.8
7.5°	7344.1	7252.3	7093.1	6915.7	6677.0	6446.4	6250.6	6118.0	5985.4	5960.9	5952.8
10°	7148.2	7023.8	6752.5	6440.3	6083.3	5738.6	5438.7	5204.1	5049.0	4938.9	4918.5
12.5°	6954.4	6789.2	6391.4	5926.2	5436.6	4965.4	4514.6	4131.0	3853.6	3692.4	3663.9
15°	6772.9	6542.3	5997.6	5404.0	4767.5	4122.9	3484.3	2986.6	2596.9	2458.2	2425.6
17.5°	6607.6	6320.0	5616.2	4863.4	4069.8	3227.3	2501.1	2058.4	1829.9	1760.5	1744.2
20°	6442.4	6091.5	5228.6	4294.2	3329.3	2384.8	1827.9	1619.8	1534.1	1507.6	1499.4
22.5°	6264.9	5840.6	4806.3	3733.2	2580.6	1785.0	1495.3	1403.5	1377.0	1379.1	1377.0
25°	6087.4	5585.6	4363.6	3123.3	1921.7	1448.4	1305.6	1270.9	1277.0	1295.4	1299.5
27.5°	5940.5	5359.1	3929.1	2454.1	1501.5	1246.4	1179.1	1177.1	1199.5	1224.0	1228.1
30°	5834.4	5157.2	3500.7	1887.0	1236.2	1107.7	1081.2	1093.4	1120.0	1138.3	1144.4
32.5°	5759.0	4983.8	3043.7	1483.1	1083.2	1009.8	997.6	1009.8	1026.1	1044.5	1048.6
35°	5732.4	4857.3	2594.9	1209.7	979.2	938.4	930.2	936.4	944.5	954.7	958.8
37.5°	5791.6	4794.0	2125.7	1052.6	916.0	891.5	879.2	875.2	877.2	881.3	883.3
40°	5967.0	4822.6	1742.2	960.8	875.2	852.7	832.3	824.2	822.1	826.2	824.2
42.5°	6269.0	4943.0	1464.7	907.8	842.5	809.9	787.4	779.3	779.3	789.5	789.5
45°	6711.7	5179.6	1264.8	869.0	814.0	773.2	748.7	744.6	752.8	769.1	771.1
47.5°	7360.4	5526.4	1144.4	840.5	787.4	740.5	716.0	714.0	730.3	756.8	758.9
50°	8129.5	6026.2	1079.2	820.1	769.1	714.0	689.5	691.6	709.9	738.5	744.6
52.5°	9055.6	6707.6	1083.2	811.9	758.9	697.7	673.2	669.1	687.5	716.0	722.2
55°	10012.4	7535.8	1162.8	814.0	744.6	689.5	656.9	642.6	658.9	679.3	681.4
57.5°	11065.0	8470.1	1360.7	809.9	726.2	681.4	642.6	610.0	620.2	632.4	638.5
60°	12252.3	9569.7	1787.1	818.0	718.1	663.0	614.0	571.2	569.2	577.3	579.4
62.5°	13839.5	11065.0	2266.5	832.3	736.4	640.6	571.2	526.3	518.2	522.2	524.3
65°	15053.3	11779.0	2115.5	820.1	775.2	624.2	530.4	483.5	467.2	463.1	463.1
67.5°	14559.6	10834.5	1472.9	787.4	793.6	626.3	497.8	438.6	418.2	408.0	406.0
70°	*12389.0*	*8800.6*	*1024.1*	*754.8*	*773.2*	*622.2*	*463.1*	*401.9*	*375.4*	*361.1*	*359.0*
72.5°	9788.0	6719.8	828.2	689.5	701.8	561.0	412.1	361.1	338.6	320.3	320.3
75°	6299.6	4100.4	691.6	614.0	573.2	436.6	357.0	322.3	299.9	281.5	281.5
77.5°	2119.6	1521.9	536.5	520.2	428.4	328.4	299.9	277.4	259.1	242.8	240.7
80°	860.9	722.2	393.7	393.7	299.9	250.9	234.6	224.4	212.2	191.8	191.8
82.5°	499.8	438.6	275.4	238.7	199.9	173.4	163.2	153.0	153.0	138.7	138.7
85°	240.7	242.8	165.2	146.9	114.2	100.0	95.9	89.8	87.7	79.6	77.5
87.5°	130.6	132.6	83.6	65.3	44.9	38.8	32.6	30.6	28.6	26.5	26.5
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

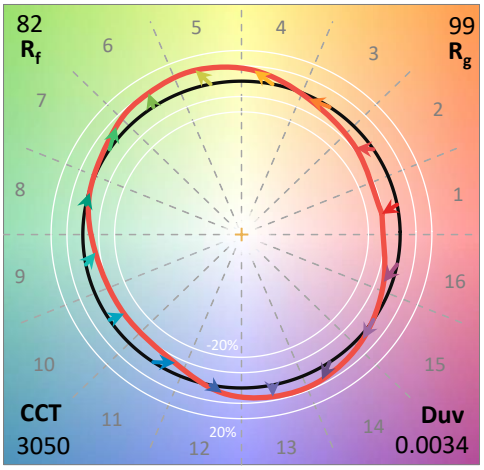
Test Information

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

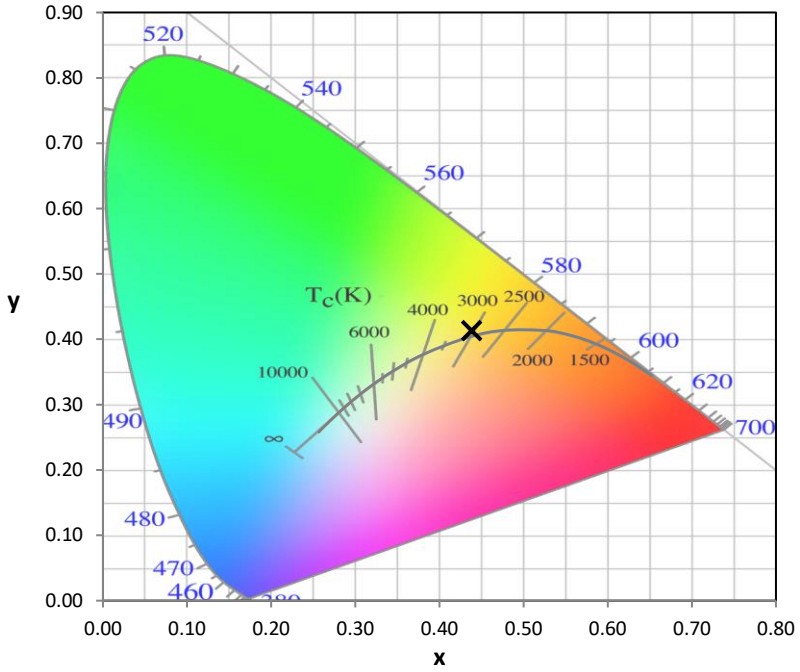
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

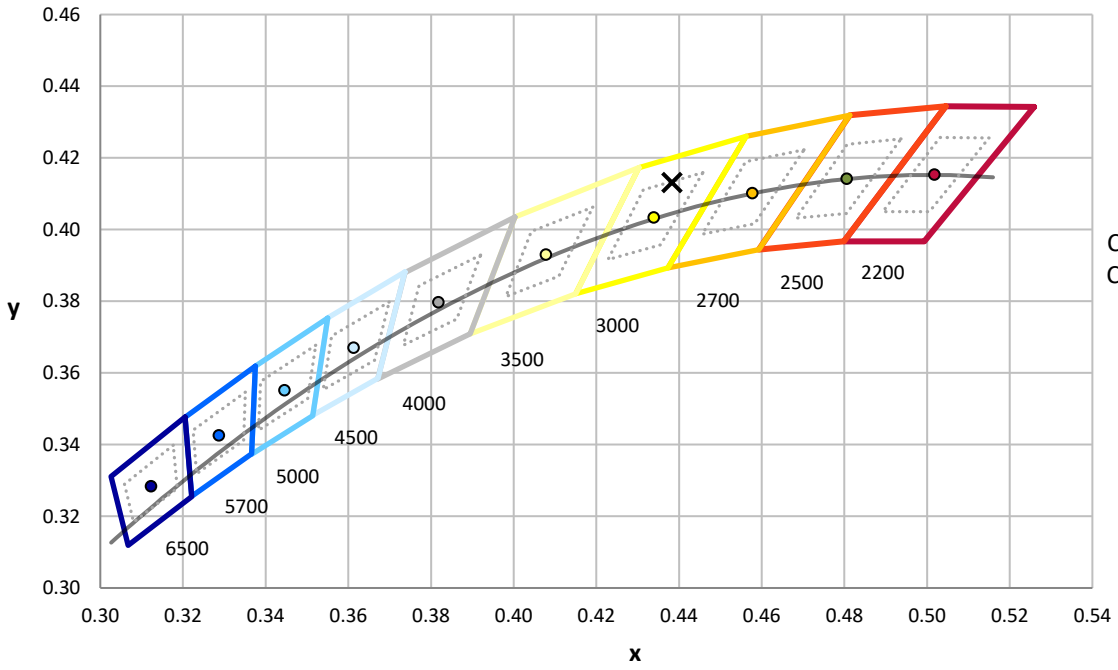
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

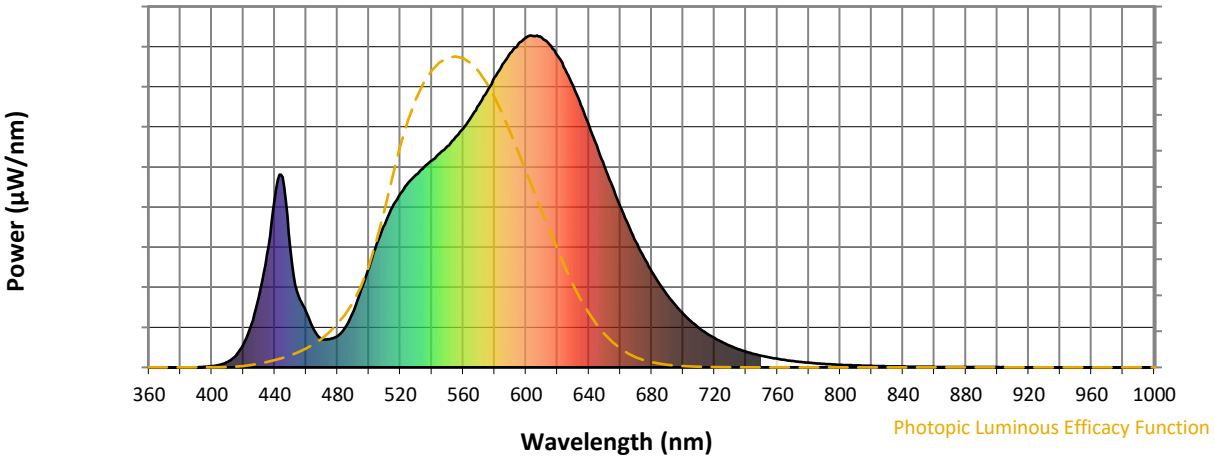


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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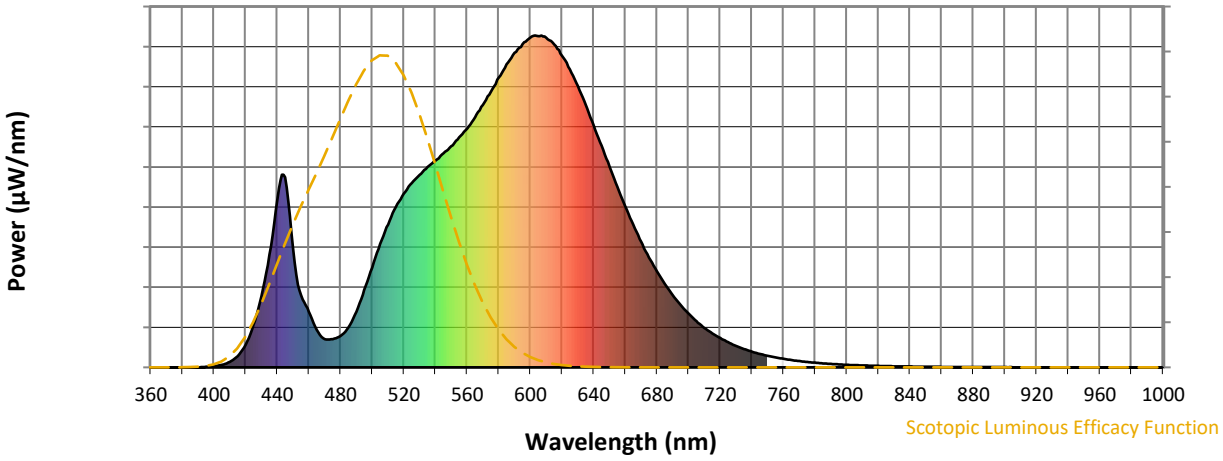
Scotopic Flux vs. Wavelength



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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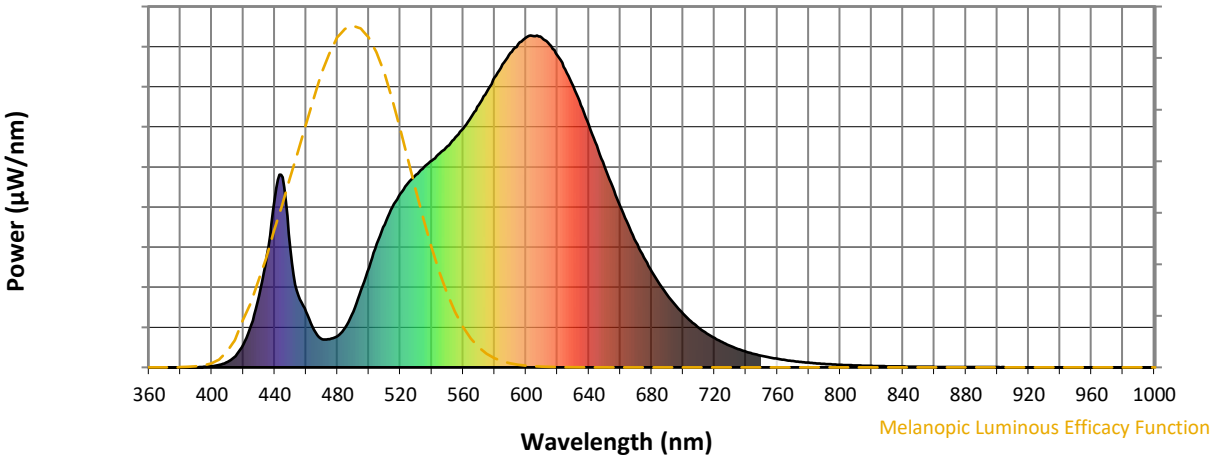
Melanopic Flux vs. Wavelength



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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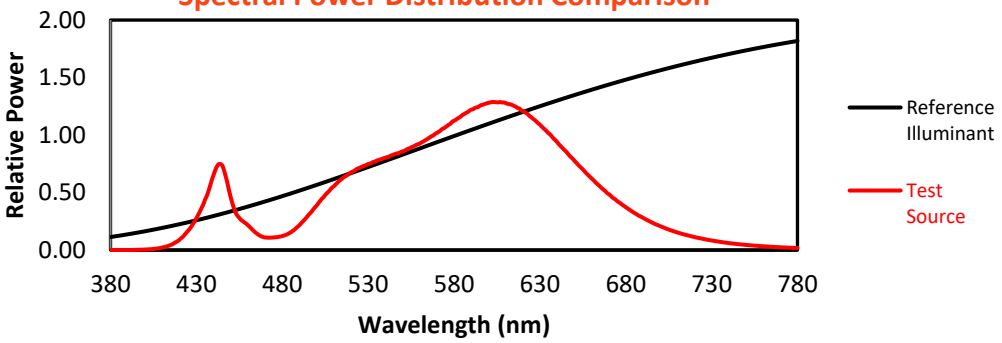
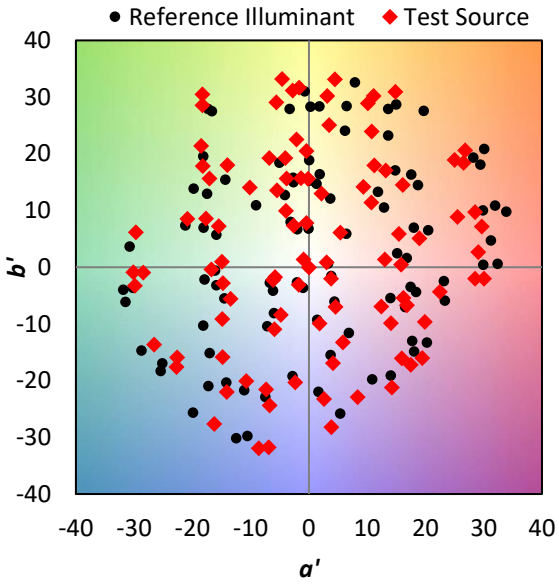
Summary

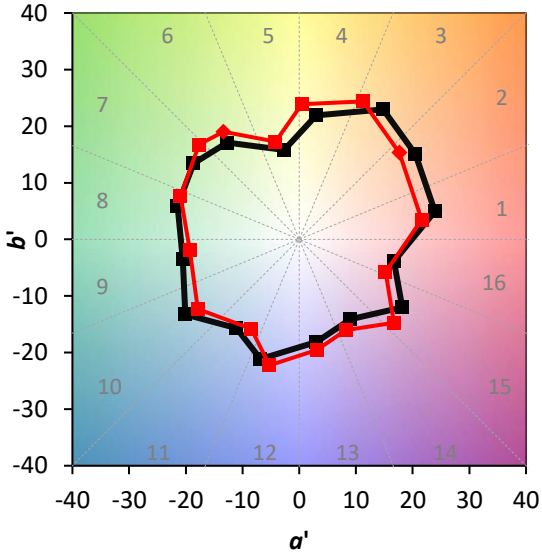
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

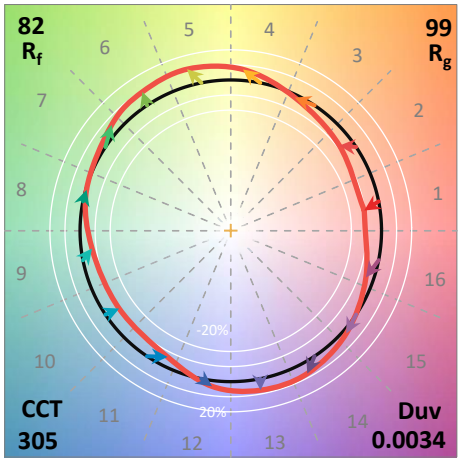
Spectral Power Distribution Comparison

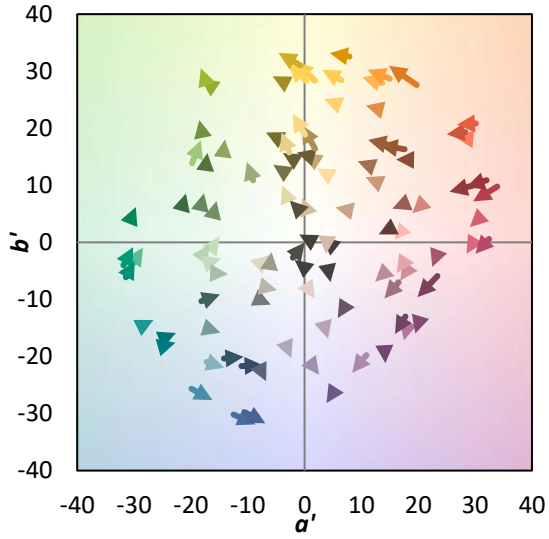


Color Vector Graphics









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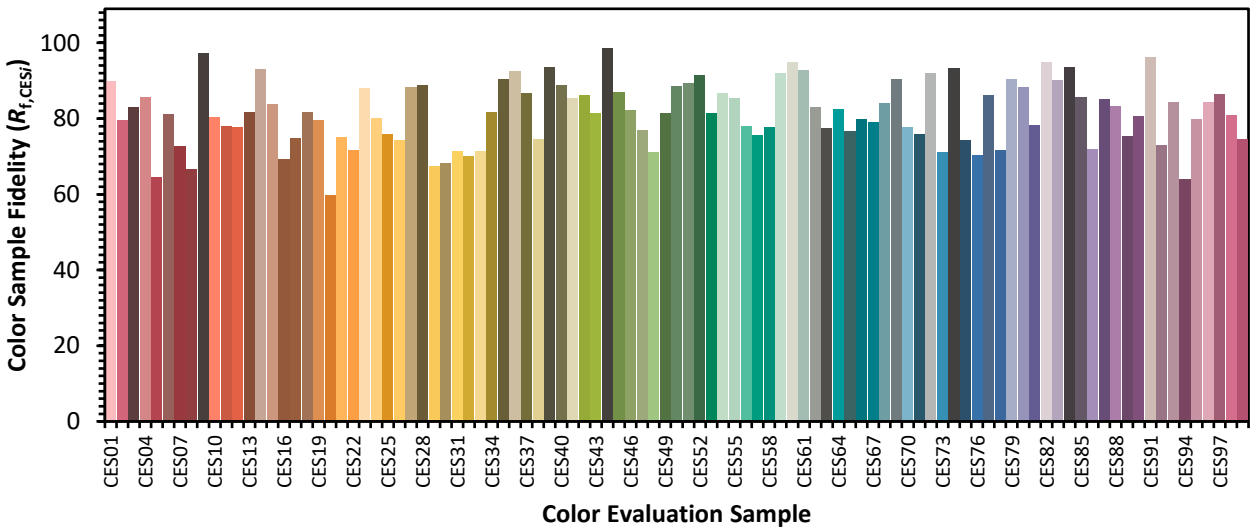
Individual Sample Fidelity Index ($R_{f,i}$)

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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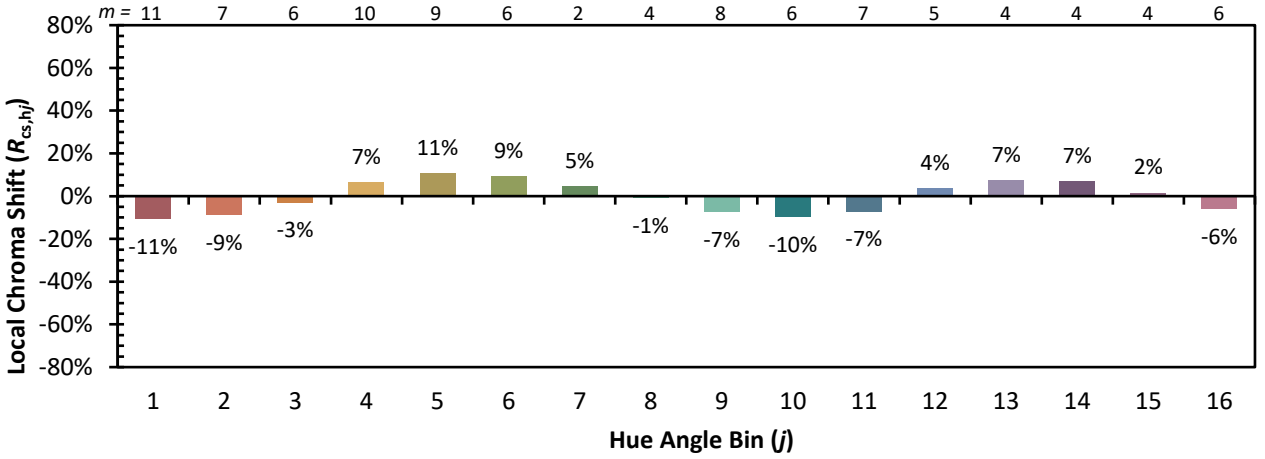
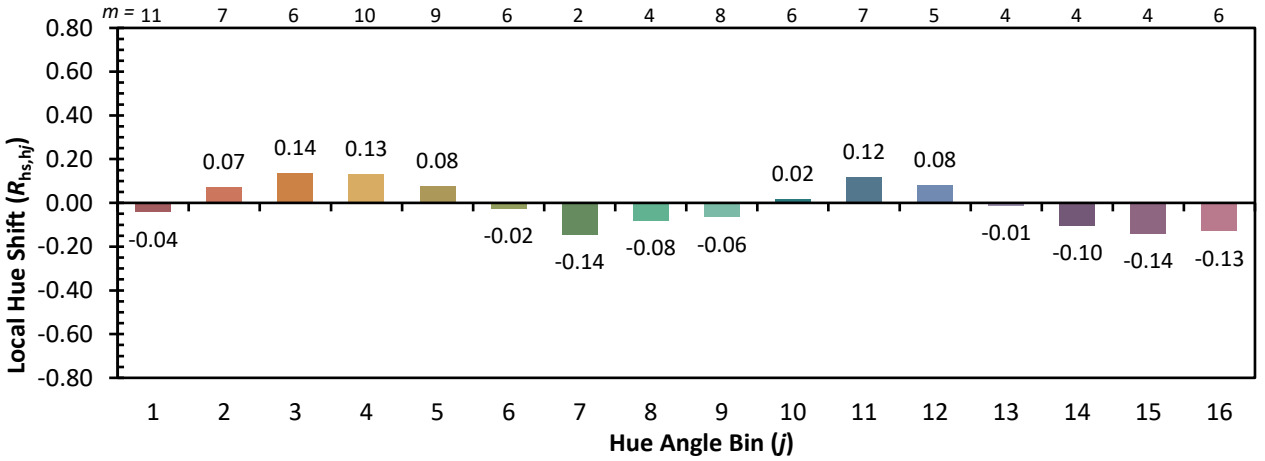
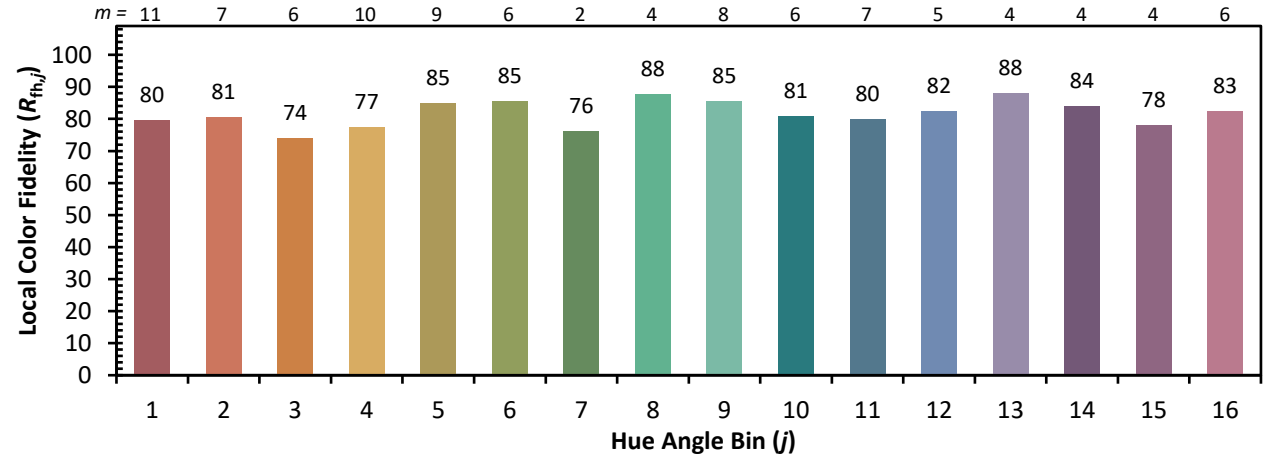
Color Rendition by Hue-Angle Bin







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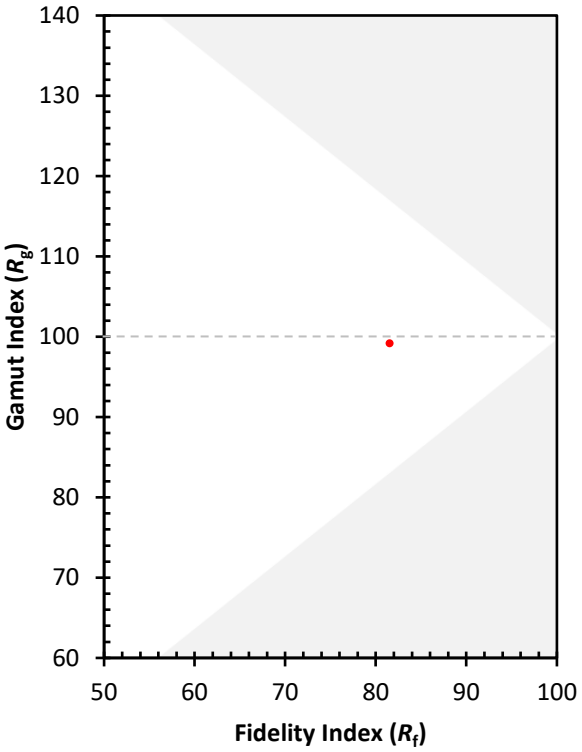
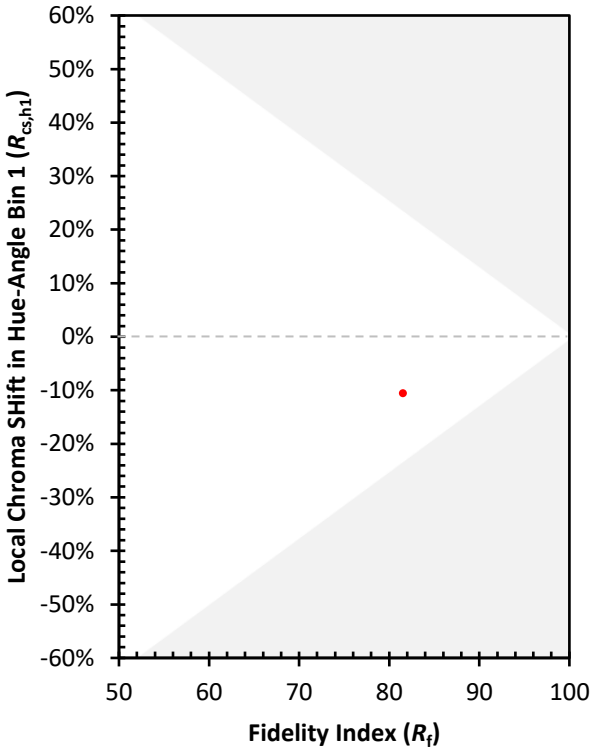
Measure Comparisons





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