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: P643417

Luminaire Tested: GWS-SA6E-830-U-RW-W-GRSWH

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:	P643417
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-RW-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	31347.8 lumens
Efficiency:	N/A
Efficacy:	96.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G1

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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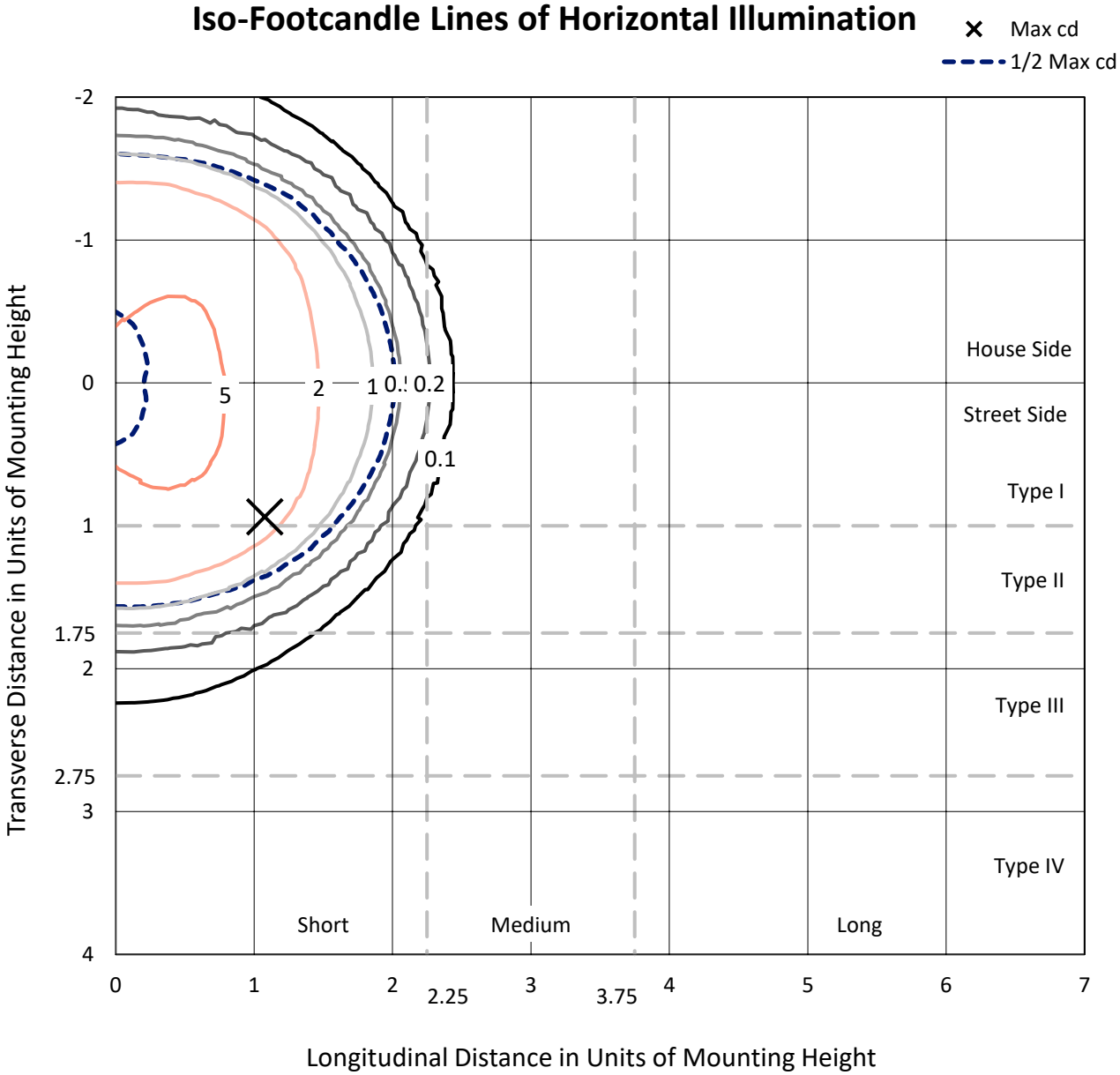
Scaled Data Report

REPORT NUMBER: P643417
CATALOG NUMBER: GWS-SA6E-830-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
Type V - Short - N/A

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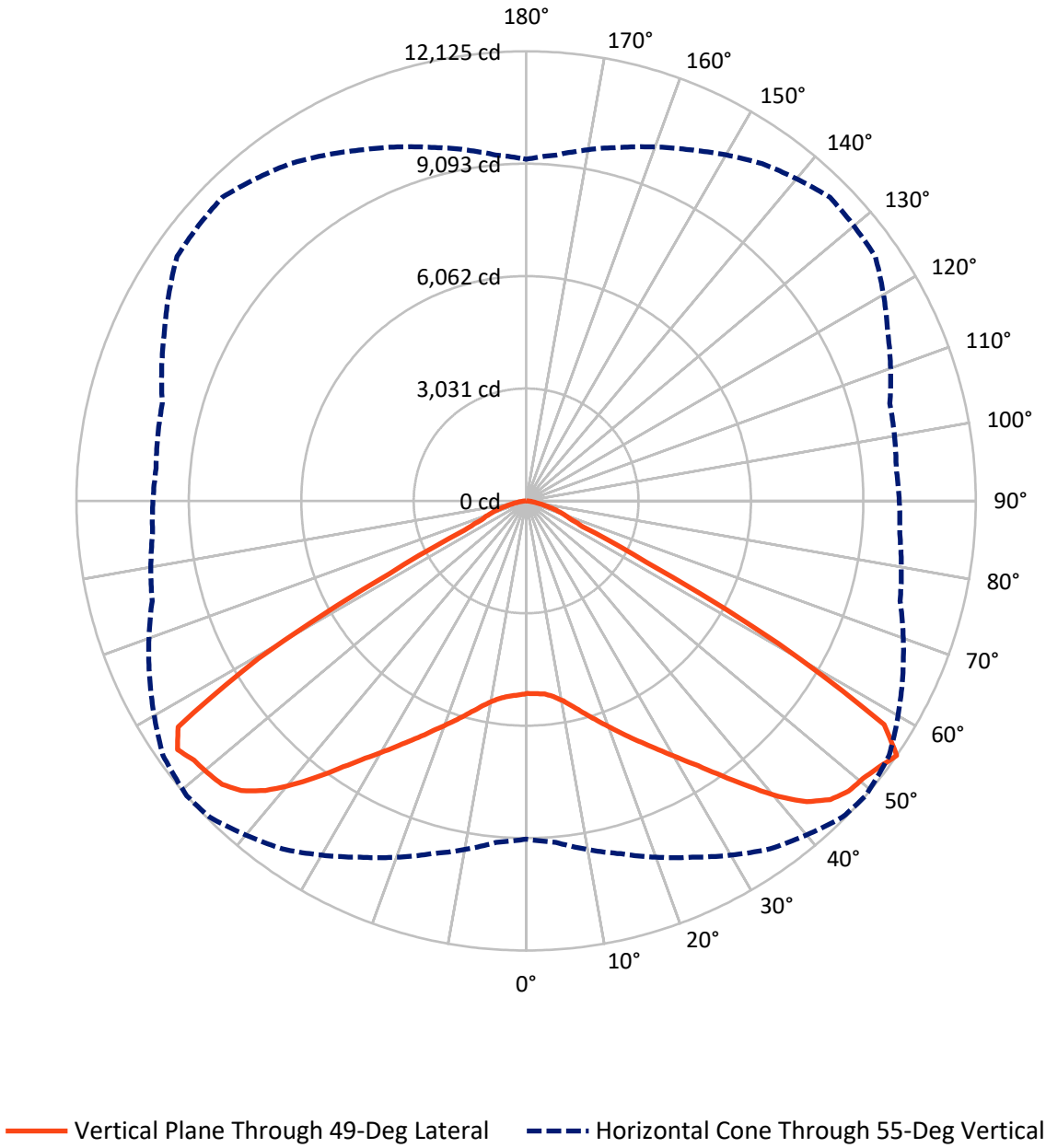
Luminous Intensity Polar Plot



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REPORT NUMBER: P643417
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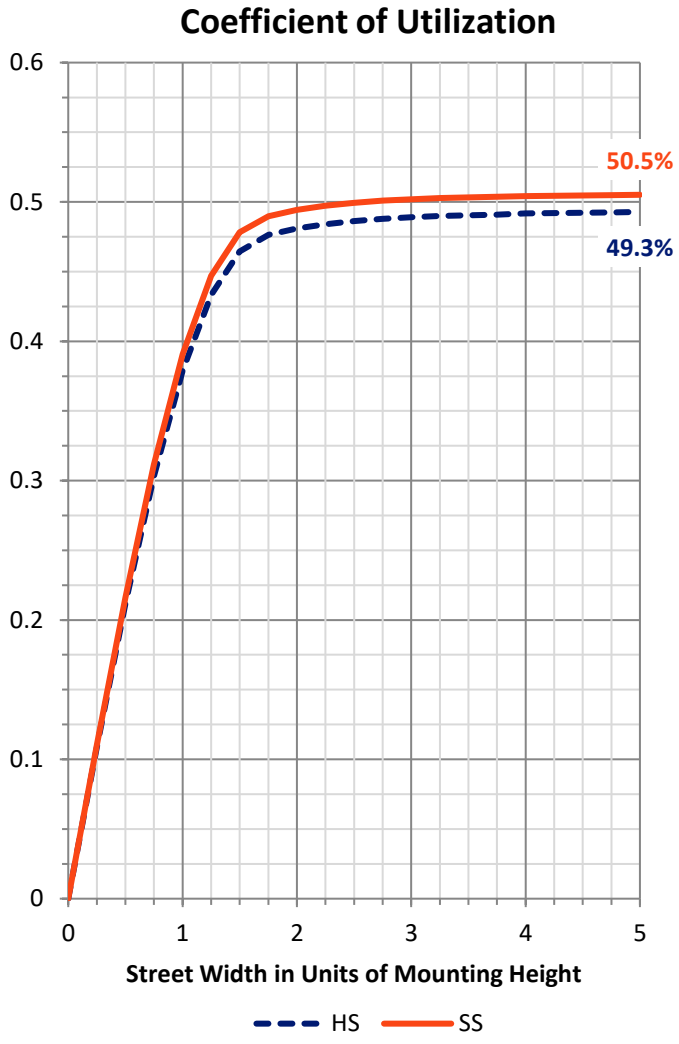
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15520.1	0.0	15520.1
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	15827.7	0.0	15827.7
	% Fixture	50.5	0.0	50.5
Total	Lumens	31347.8	0.0	31347.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.6	1.6
10°-20°	1670.9	5.3
20°-30°	3182.6	10.2
30°-40°	5395.2	17.2
40°-50°	8119.3	25.9
50°-60°	8887.4	28.4
60°-70°	2810.2	9.0
70°-80°	674.5	2.2
80°-90°	101.2	0.3
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°	31347.8	100.0
0°-180°	31347.8	100.0



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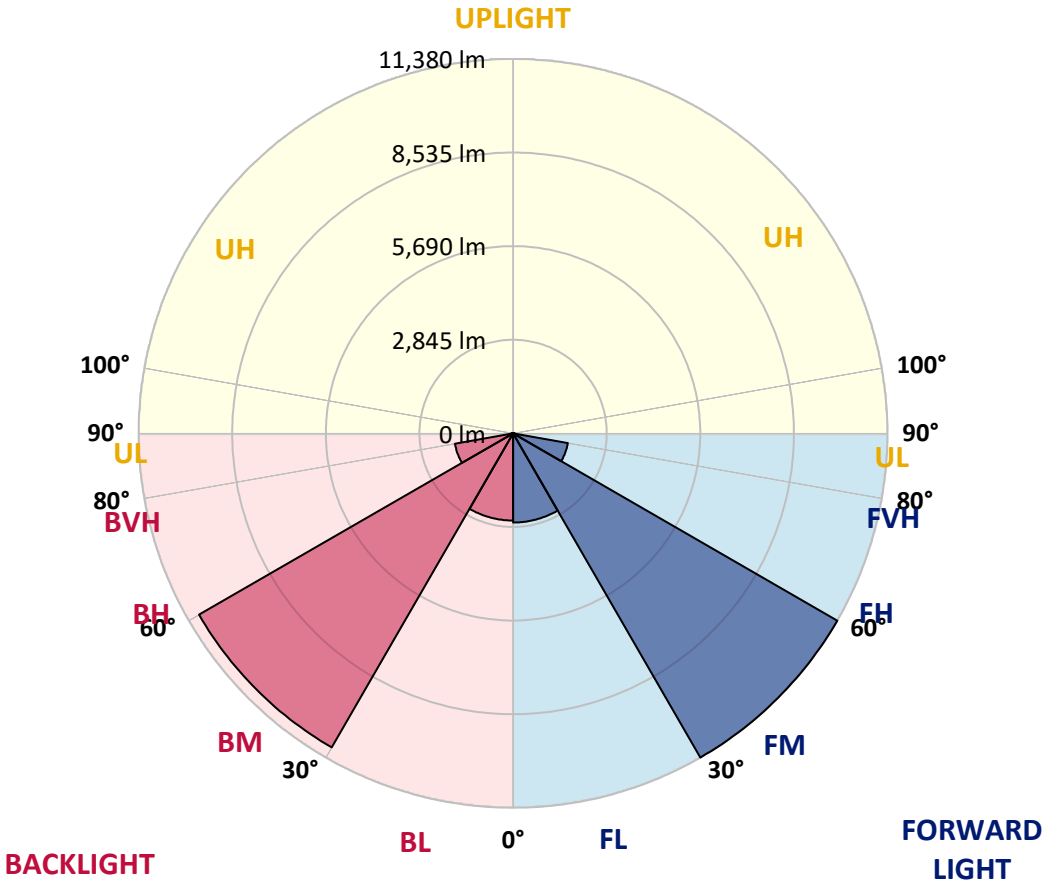
REPORT NUMBER: P643417
CATALOG NUMBER: GWS-SA6E-830-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2710.3	8.6			
FM	(30°-60°)	11380.1	36.3			
FH	(60°-80°)	1690.4	5.4			G1/1800
FVH	(80°-90°)	46.9	0.1			G1/100
BL	(0°-30°)	2649.8	8.5	B4/5000		
BM	(30°-60°)	11021.7	35.2	B5		
BH	(60°-80°)	1794.3	5.7	B3/2500		G1/1800
BVH	(80°-90°)	54.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
Type V Short



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REPORT NUMBER: P643417
CATALOG NUMBER: GWS-SA6E-830-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0
2.5°	5116.5	5121.6	5131.8	5149.6	5167.5	5193.0	5203.2	5215.9	5213.3	5228.6	5228.6
5°	5091.0	5098.6	5113.9	5139.4	5170.0	5218.4	5231.2	5261.8	5292.4	5330.6	5343.4
7.5°	5121.6	5131.8	5149.6	5190.4	5236.3	5300.0	5325.5	5376.5	5435.1	5504.0	5532.0
10°	5180.2	5193.0	5223.5	5289.8	5363.8	5460.6	5483.6	5547.3	5641.6	5736.0	5792.0
12.5°	5246.5	5266.9	5323.0	5427.5	5537.1	5664.6	5700.3	5779.3	5881.3	6003.6	6080.1
15°	5323.0	5340.8	5427.5	5575.4	5746.2	5914.4	5955.2	6031.7	6146.4	6266.2	6373.3
17.5°	5483.6	5514.2	5616.1	5786.9	5985.8	6184.6	6230.5	6317.2	6409.0	6503.3	6605.3
20°	5702.8	5728.3	5858.3	6069.9	6304.5	6485.5	6531.3	6607.8	6651.2	6699.6	6786.3
22.5°	5922.1	5957.7	6105.6	6355.4	6630.8	6827.1	6862.8	6934.1	6903.5	6888.2	6944.3
25°	6194.8	6243.3	6388.6	6661.4	6941.8	7184.0	7212.0	7273.2	7222.2	7143.2	7140.6
27.5°	6533.9	6577.2	6727.6	7008.1	7285.9	7538.3	7591.9	7673.4	7561.3	7464.4	7395.6
30°	6936.7	6964.7	7130.4	7428.7	7714.2	7953.9	8022.7	8104.3	8020.1	7859.5	7790.7
32.5°	7405.8	7444.0	7635.2	7948.8	8203.7	8443.3	8512.2	8614.1	8522.4	8341.4	8254.7
35°	7969.2	8007.4	8208.8	8550.4	8810.4	9057.7	9106.2	9190.3	9075.6	8866.5	8797.7
37.5°	8581.0	8629.4	8884.4	9208.1	9480.9	9769.0	9771.5	9797.0	9633.9	9373.8	9297.3
40°	9269.3	9333.0	9588.0	9924.5	10253.3	10487.9	10485.3	10413.9	10138.6	9735.8	9618.6
42.5°	9950.0	10001.0	10258.4	10605.1	10934.0	11155.8	11089.5	10916.2	10518.5	9970.4	9814.9
45°	10442.0	10480.2	10750.5	11140.5	11474.5	11612.1	11492.3	11283.3	10745.4	10118.2	9888.8
47.5°	10674.0	10725.0	10997.7	11385.2	11762.5	11841.6	11698.8	11502.5	10877.9	10255.9	9947.4
50°	10549.1	10615.3	10923.8	11283.3	11709.0	11872.2	11770.2	11573.9	11018.1	10391.0	10051.9
52.5°	10225.3	10289.0	10679.1	11115.0	11596.8	11920.6	11918.0	11757.4	11178.7	10429.2	10057.0
55°	9118.9	9243.8	9850.6	10602.6	11459.2	12063.4	12124.5	11953.7	11204.2	10439.4	10110.6
57.5°	5934.8	6154.0	6730.2	7709.1	9427.4	10972.2	11385.2	11426.0	11020.7	10396.1	10120.8
60°	2477.9	2653.8	3110.2	3760.2	5180.2	7018.3	7818.7	8621.8	9590.5	9942.3	10026.5
62.5°	1539.8	1555.1	1601.0	1748.8	2223.0	3120.4	3635.3	4387.4	5827.7	7054.0	7619.9
65°	1389.4	1397.0	1407.2	1397.0	1420.0	1529.6	1667.3	1929.8	2516.2	3125.5	3849.5
67.5°	1223.7	1233.9	1241.5	1233.9	1241.5	1246.6	1261.9	1284.9	1391.9	1478.6	1544.9
70°	989.1	1004.4	1017.2	1012.1	1042.7	1042.7	1058.0	1075.8	1129.3	1193.1	1239.0
72.5°	754.6	741.9	757.1	762.2	790.3	805.6	828.5	848.9	910.1	948.3	1007.0
75°	489.5	476.7	499.7	512.4	550.7	571.0	591.4	611.8	655.2	680.7	736.8
77.5°	265.1	262.6	285.5	303.4	344.2	369.7	384.9	400.2	435.9	443.6	479.3
80°	153.0	153.0	168.3	181.0	206.5	234.5	249.8	262.6	288.1	295.7	311.0
82.5°	84.1	84.1	91.8	99.4	119.8	135.1	147.9	158.1	181.0	188.6	196.3
85°	40.8	38.2	43.3	48.4	56.1	63.7	71.4	76.5	94.3	99.4	109.6
87.5°	5.1	5.1	5.1	7.6	10.2	15.3	17.8	17.8	28.0	33.1	38.2
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: P643417
CATALOG NUMBER: GWS-SA6E-830-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0	5193.0
2.5°	5243.9	5210.8	5231.2	5238.8	5238.8	5231.2	5198.1	5187.9	5172.6	5149.6	5149.6
5°	5361.2	5335.7	5340.8	5328.1	5297.5	5259.2	5198.1	5167.5	5142.0	5113.9	5111.4
7.5°	5562.6	5529.5	5524.4	5475.9	5394.3	5312.8	5221.0	5164.9	5126.7	5091.0	5088.4
10°	5825.2	5794.6	5756.4	5659.5	5539.7	5419.8	5294.9	5218.4	5162.4	5111.4	5108.8
12.5°	6118.4	6082.7	6011.3	5868.5	5718.1	5600.8	5458.1	5340.8	5256.7	5187.9	5175.1
15°	6437.0	6386.0	6263.7	6095.4	5947.6	5822.6	5669.7	5501.4	5374.0	5264.3	5251.6
17.5°	6681.8	6615.5	6482.9	6324.8	6202.5	6077.6	5878.7	5667.1	5483.6	5345.9	5325.5
20°	6850.0	6796.5	6646.1	6528.8	6457.4	6347.8	6115.8	5876.2	5669.7	5496.3	5486.1
22.5°	7005.5	6941.8	6793.9	6725.1	6725.1	6651.2	6429.4	6146.4	5904.2	5702.8	5677.3
25°	7181.4	7112.6	7000.4	6992.8	7028.5	6995.3	6727.6	6424.3	6141.3	5914.4	5873.6
27.5°	7426.2	7349.7	7283.4	7329.3	7380.3	7344.6	7046.3	6694.5	6396.2	6166.8	6131.1
30°	7816.2	7721.9	7660.7	7716.8	7816.2	7711.7	7387.9	7015.7	6714.9	6462.5	6444.7
32.5°	8270.0	8162.9	8099.2	8188.4	8277.6	8114.5	7793.3	7436.3	7120.2	6855.1	6824.5
35°	8815.5	8680.4	8586.1	8705.9	8797.7	8637.1	8318.4	7979.4	7627.5	7352.2	7311.4
37.5°	9299.9	9136.7	9073.0	9241.3	9363.6	9259.1	8912.4	8593.7	8208.8	7908.0	7890.1
40°	9651.7	9491.1	9445.2	9723.1	9937.2	9911.7	9600.7	9236.2	8874.2	8527.5	8494.3
42.5°	9804.7	9692.5	9702.7	10077.4	10408.9	10572.0	10294.1	9904.1	9554.8	9195.4	9172.4
45°	9837.8	9769.0	9850.6	10319.6	10755.6	11089.5	10852.4	10526.1	10131.0	9784.3	9774.1
47.5°	9873.5	9835.3	9960.2	10457.3	10974.8	11362.3	11229.7	10893.2	10493.0	10153.9	10128.4
50°	9957.6	9942.3	10082.5	10554.2	11079.3	11436.2	11285.8	10951.9	10541.4	10207.5	10146.3
52.5°	9983.1	9957.6	10159.0	10704.6	11252.7	11433.7	11109.9	10674.0	10261.0	9888.8	9825.1
55°	*10062.1*	*10016.3*	*10153.9*	*10760.7*	*11492.3*	*11581.5*	*11099.7*	*10447.1*	*9870.9*	*9363.6*	*9213.2*
57.5°	10082.5	10031.6	10120.8	10668.9	11232.3	11153.2	9756.2	8430.6	7344.6	6781.2	6844.9
60°	9972.9	9988.2	9835.3	9774.1	9009.3	7953.9	5973.0	4774.9	3750.0	3316.7	3411.0
62.5°	7591.9	7655.6	7133.0	6202.5	4769.8	3780.6	2500.9	1942.6	1644.3	1567.8	1580.6
65°	3831.6	3918.3	3375.3	2791.5	2075.1	1677.4	1450.6	1404.7	1389.4	1371.5	1371.5
67.5°	1516.8	1542.3	1521.9	1425.1	1325.6	1290.0	1279.8	1274.7	1256.8	1246.6	1249.2
70°	1218.6	1239.0	1208.4	1147.2	1106.4	1103.9	1098.8	1088.6	1075.8	1075.8	1083.5
72.5°	994.2	1014.6	971.3	933.0	902.5	879.5	866.8	859.1	841.3	841.3	848.9
75°	731.7	744.4	708.7	703.6	670.5	647.5	627.1	616.9	594.0	583.8	591.4
77.5°	486.9	484.4	466.5	466.5	453.8	425.7	402.8	379.8	349.3	328.9	334.0
80°	316.1	316.1	308.5	308.5	295.7	272.8	244.7	221.8	203.9	188.6	188.6
82.5°	201.4	198.8	196.3	193.7	188.6	165.7	145.3	130.0	117.3	107.1	109.6
85°	112.2	112.2	107.1	107.1	96.9	84.1	73.9	63.7	56.1	53.5	53.5
87.5°	38.2	38.2	35.7	35.7	30.6	22.9	17.8	15.3	12.7	10.2	12.7
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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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

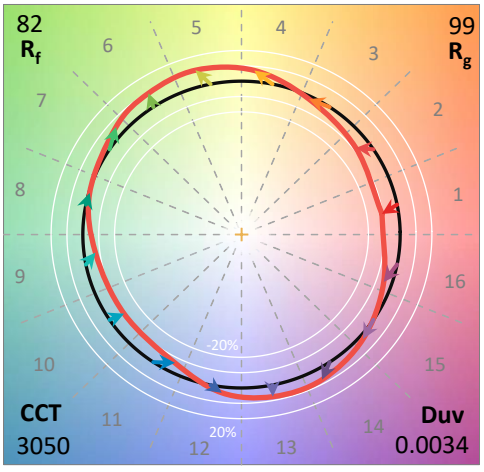
Test Information

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

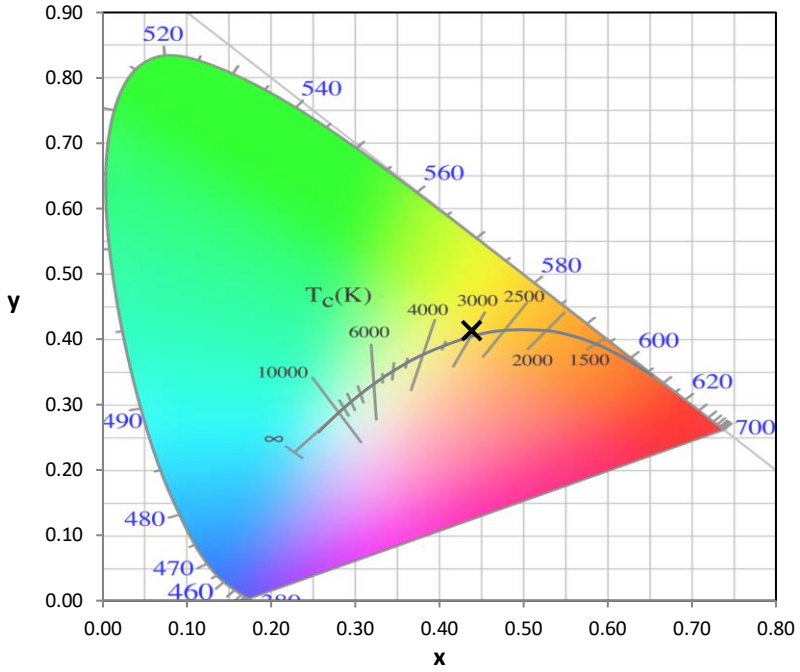
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

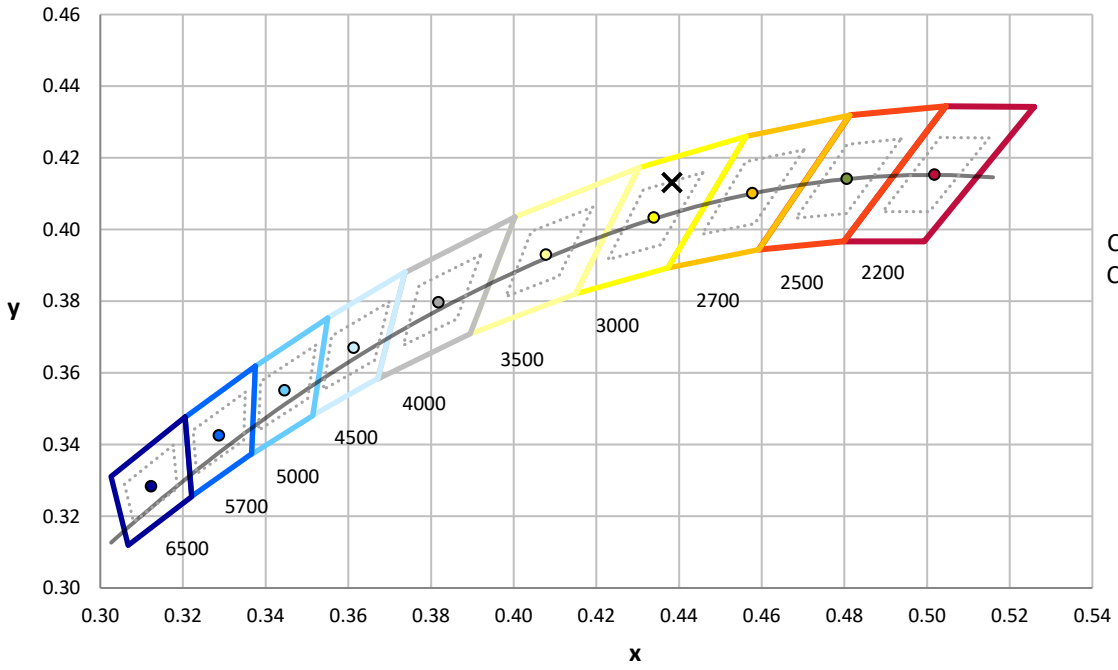
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

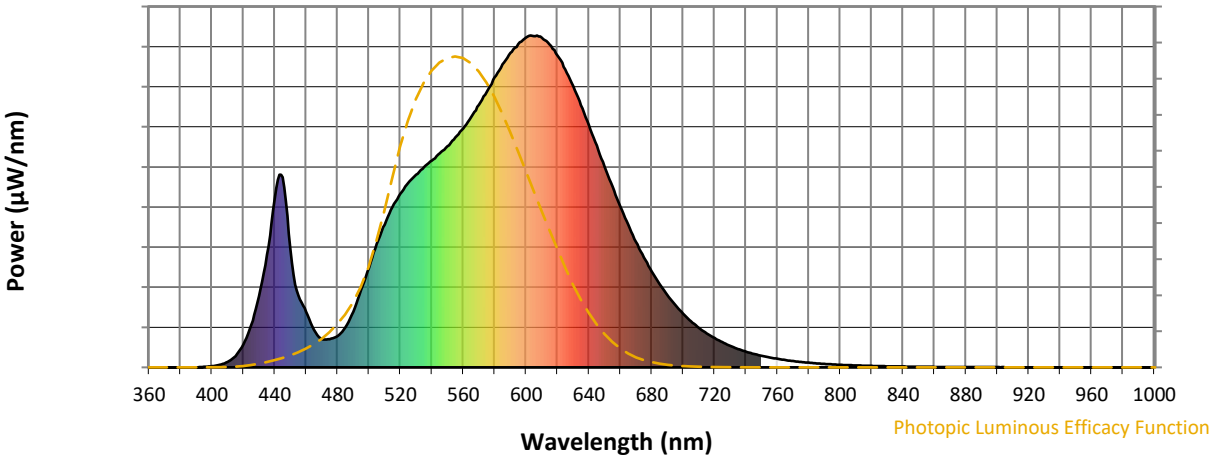


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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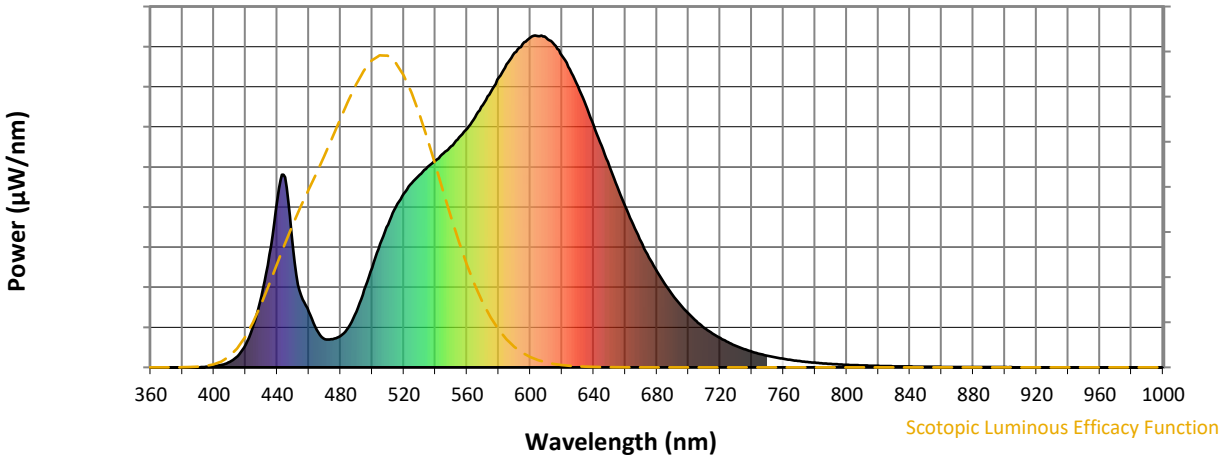
Scotopic Flux vs. Wavelength



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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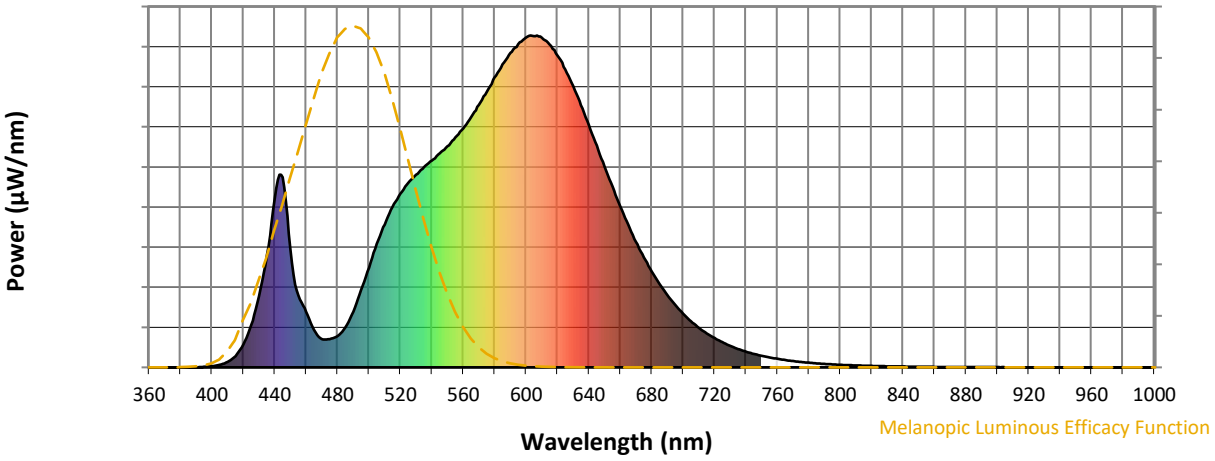
Melanopic Flux vs. Wavelength



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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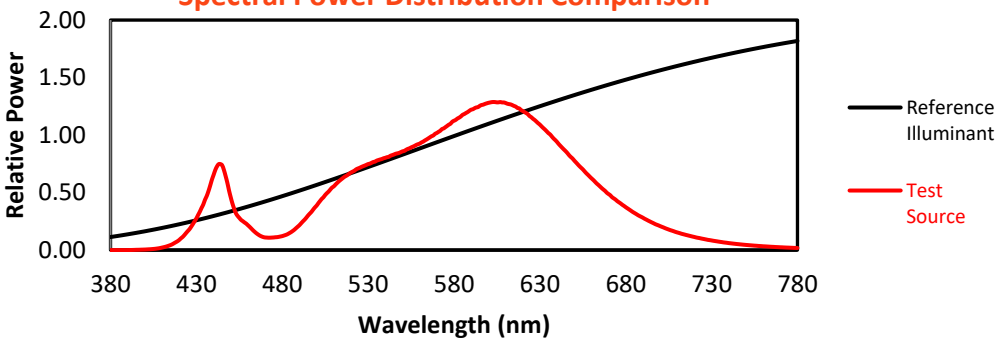
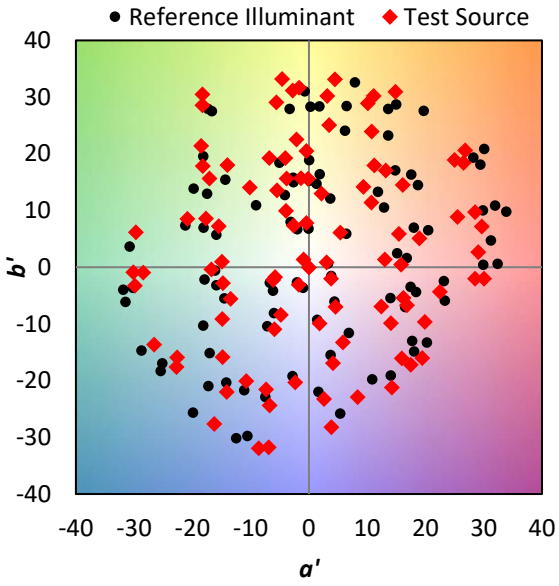
Summary

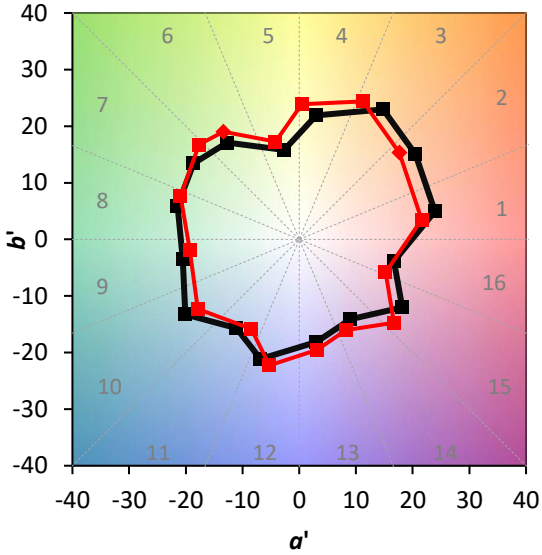
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

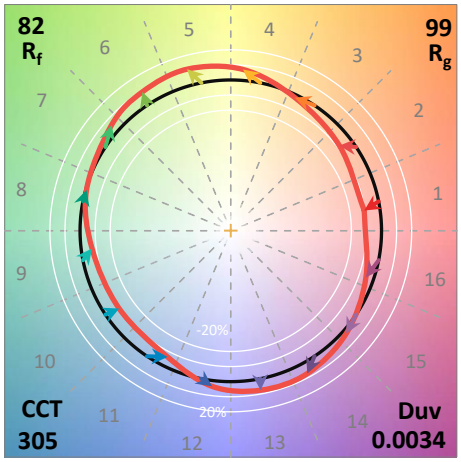
Spectral Power Distribution Comparison

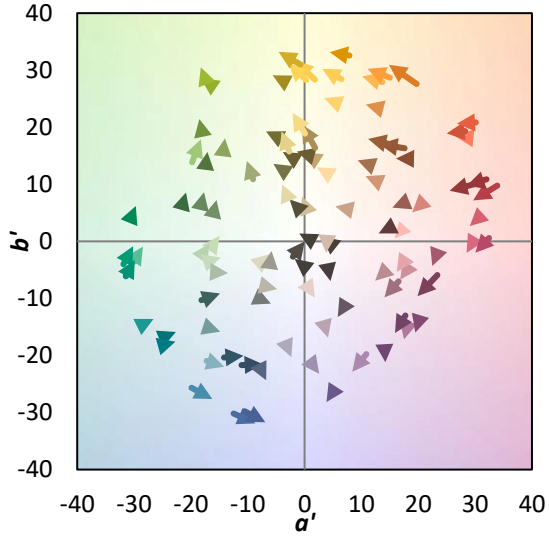


Color Vector Graphics









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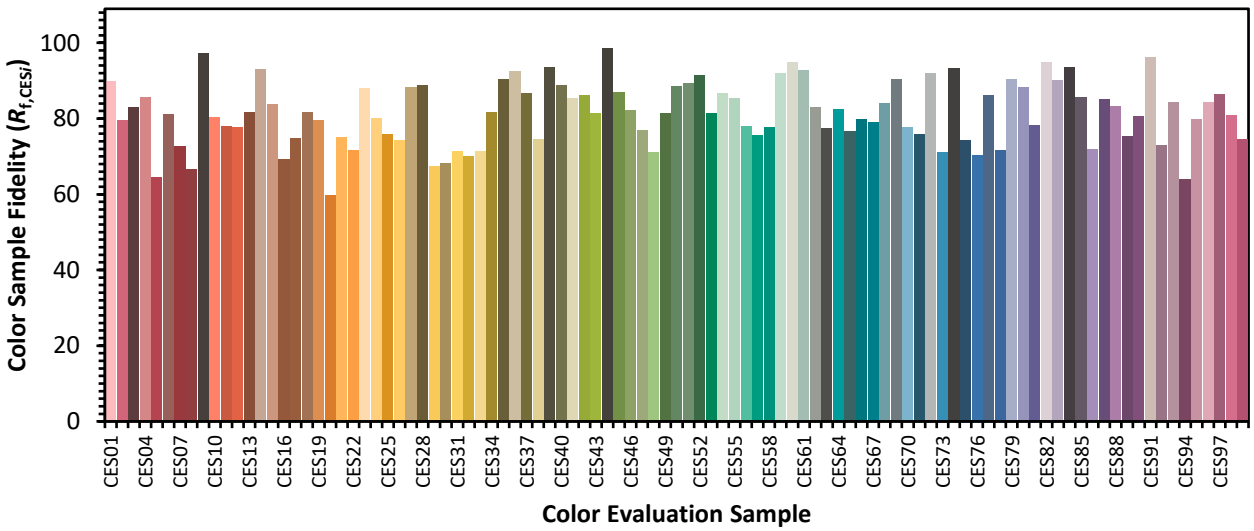
Individual Sample Fidelity Index ($R_{f,i}$)

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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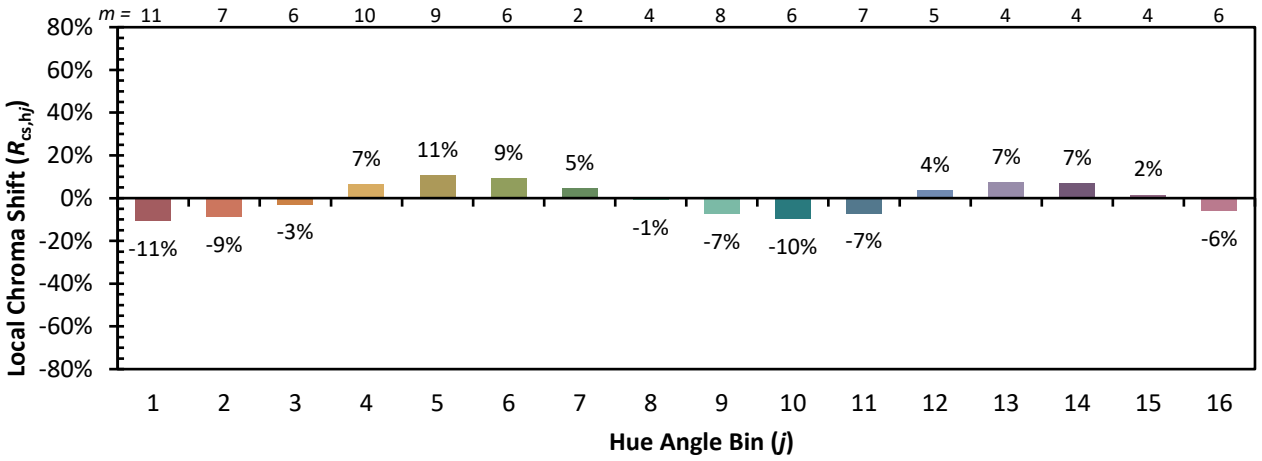
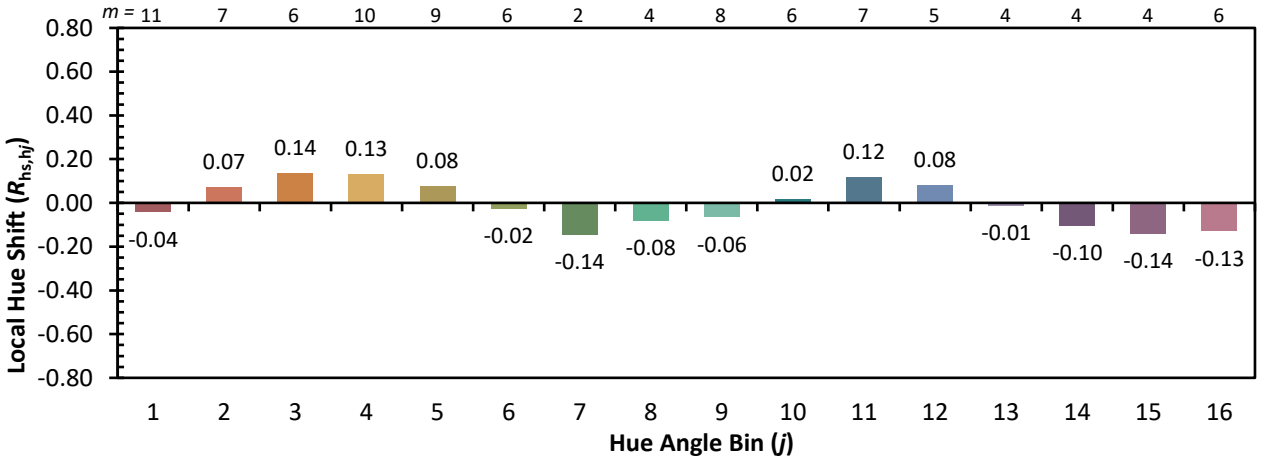
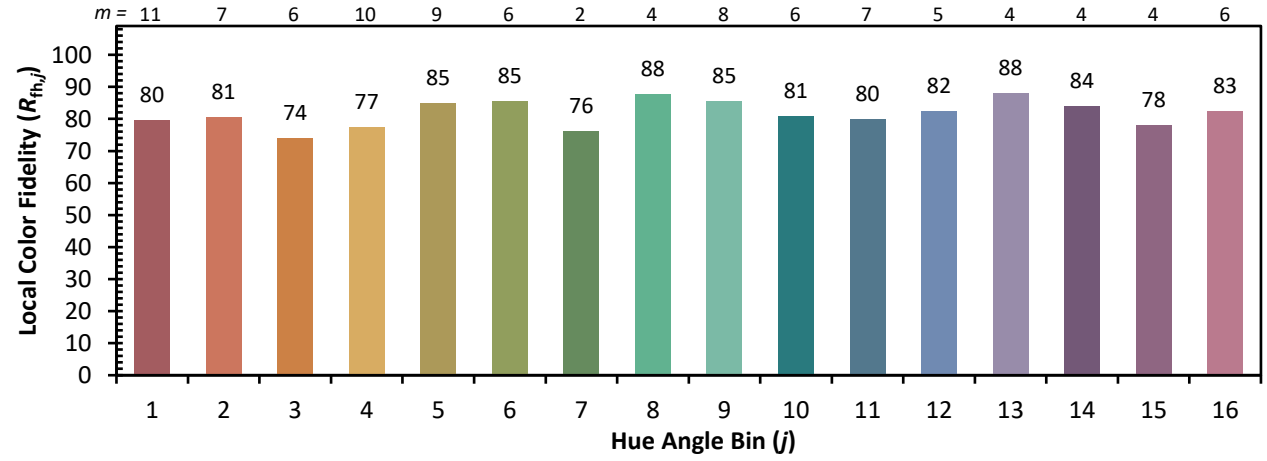
Color Rendition by Hue-Angle Bin







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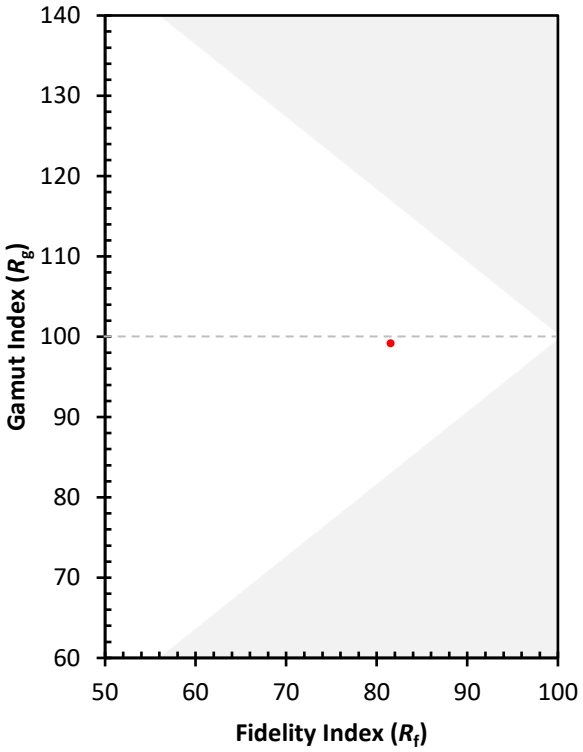
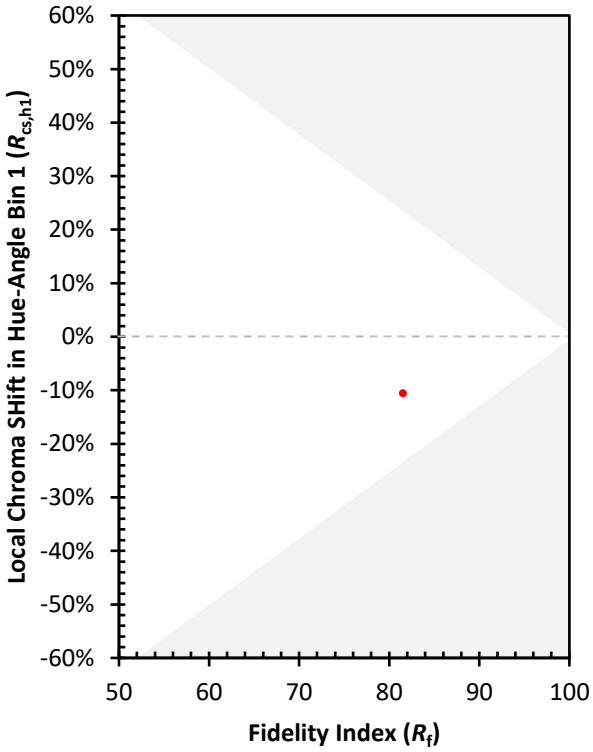
Measure Comparisons





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