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: P643426

Luminaire Tested: GWS-SA6E-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:	P643426
	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-SA6E-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:	34842.8 lumens
Efficiency:	N/A
Efficacy:	107.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

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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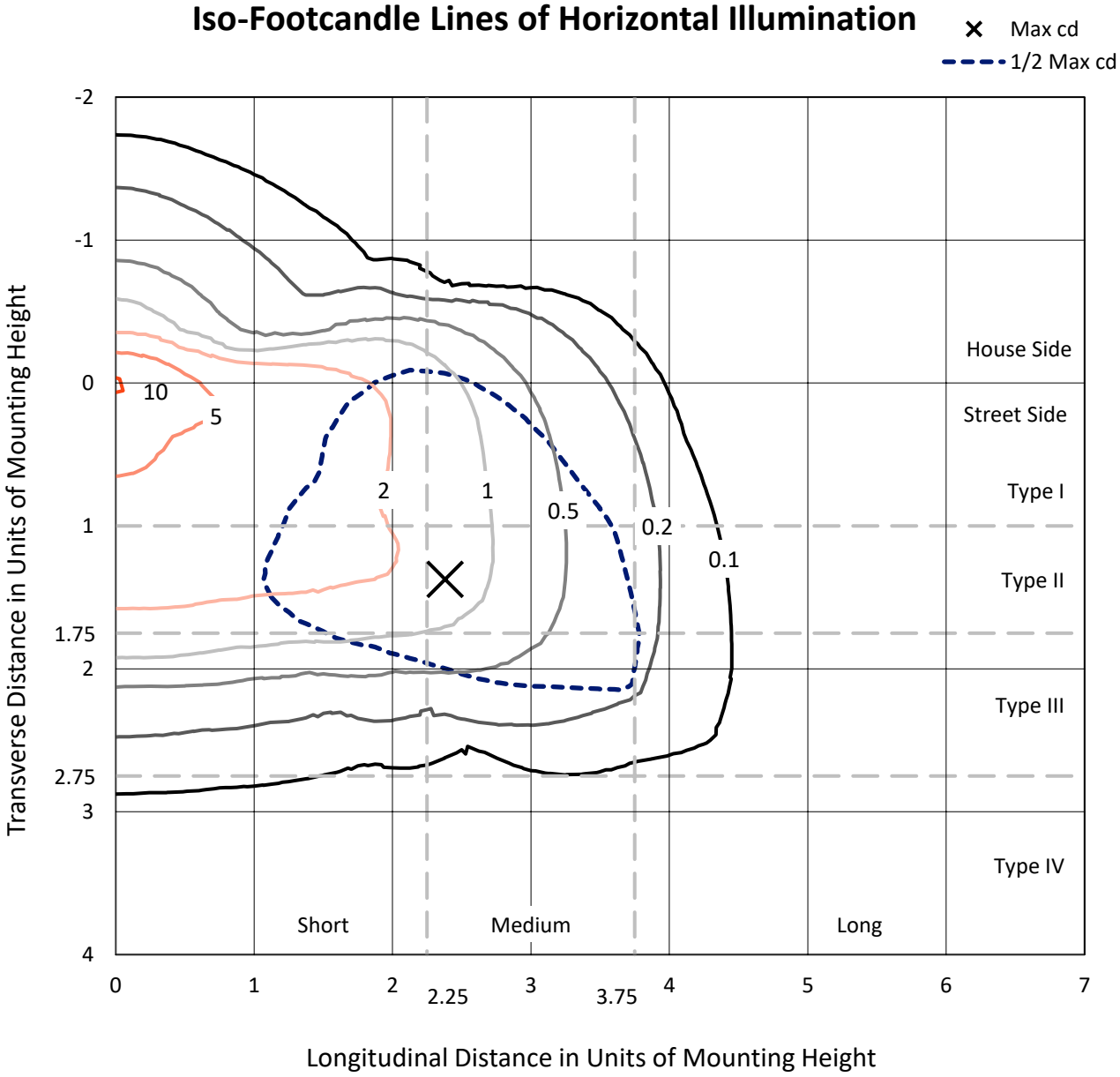
Scaled Data Report

REPORT NUMBER: P643426
CATALOG NUMBER: GWS-SA6E-830-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 10.7 fc
Type III - Medium - N/A

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REPORT NUMBER: P643426
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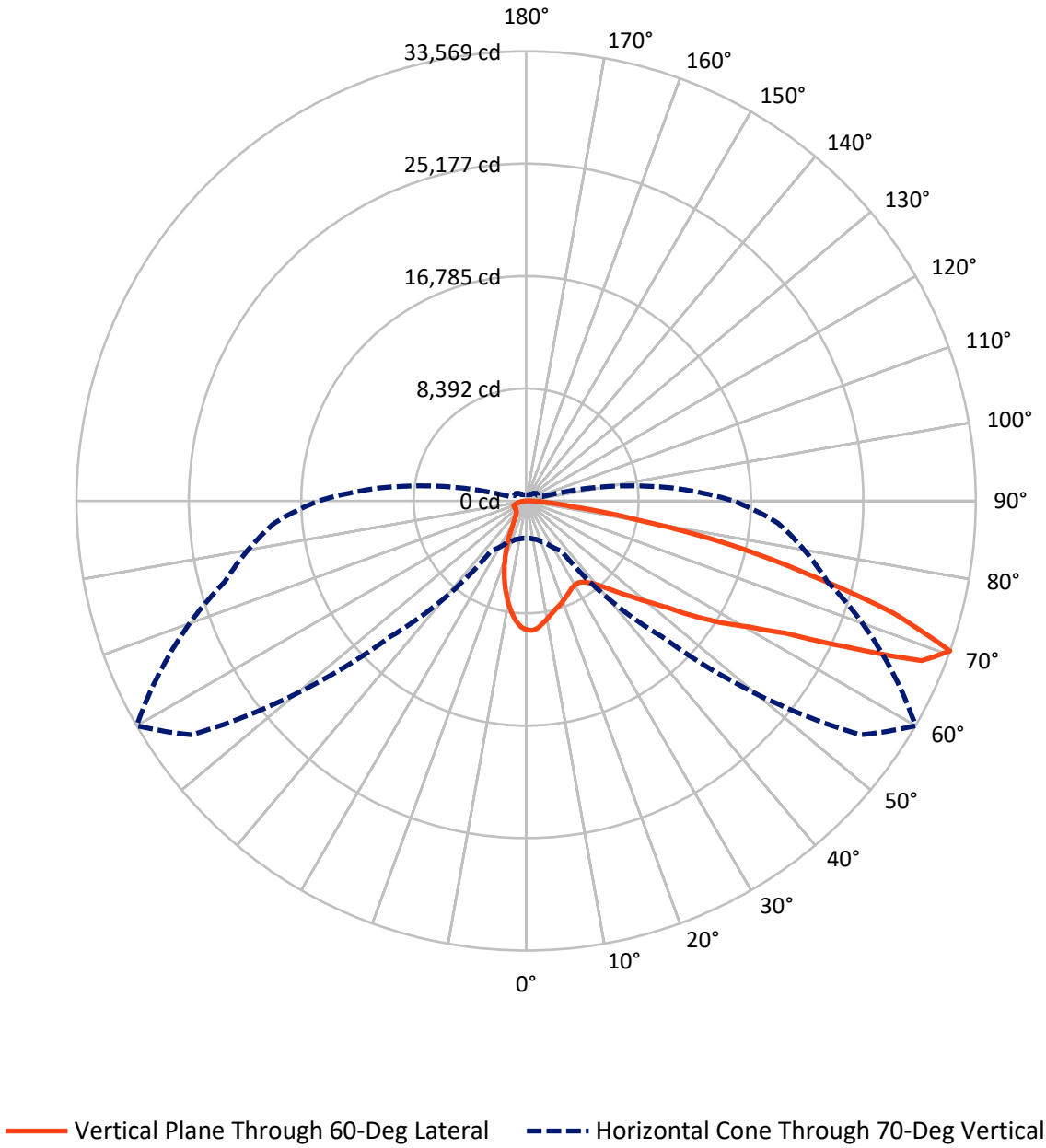
Luminous Intensity Polar Plot



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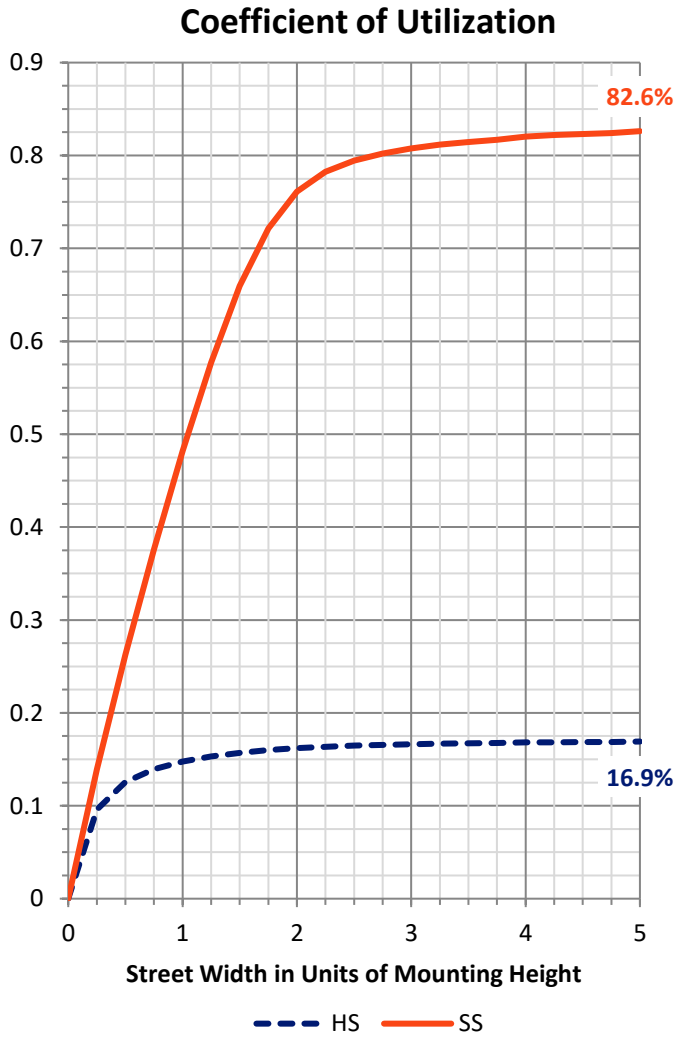
REPORT NUMBER: P643426
CATALOG NUMBER: GWS-SA6E-830-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5958.9	0.0	5958.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	28883.9	0.0	28883.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	34842.8	0.0	34842.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	831.0	2.4
10°-20°	1861.8	5.3
20°-30°	2384.4	6.8
30°-40°	3133.7	9.0
40°-50°	4546.4	13.0
50°-60°	7093.5	20.4
60°-70°	9286.8	26.7
70°-80°	5135.3	14.7
80°-90°	569.9	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°	34842.8	100.0
0°-180°	34842.8	100.0



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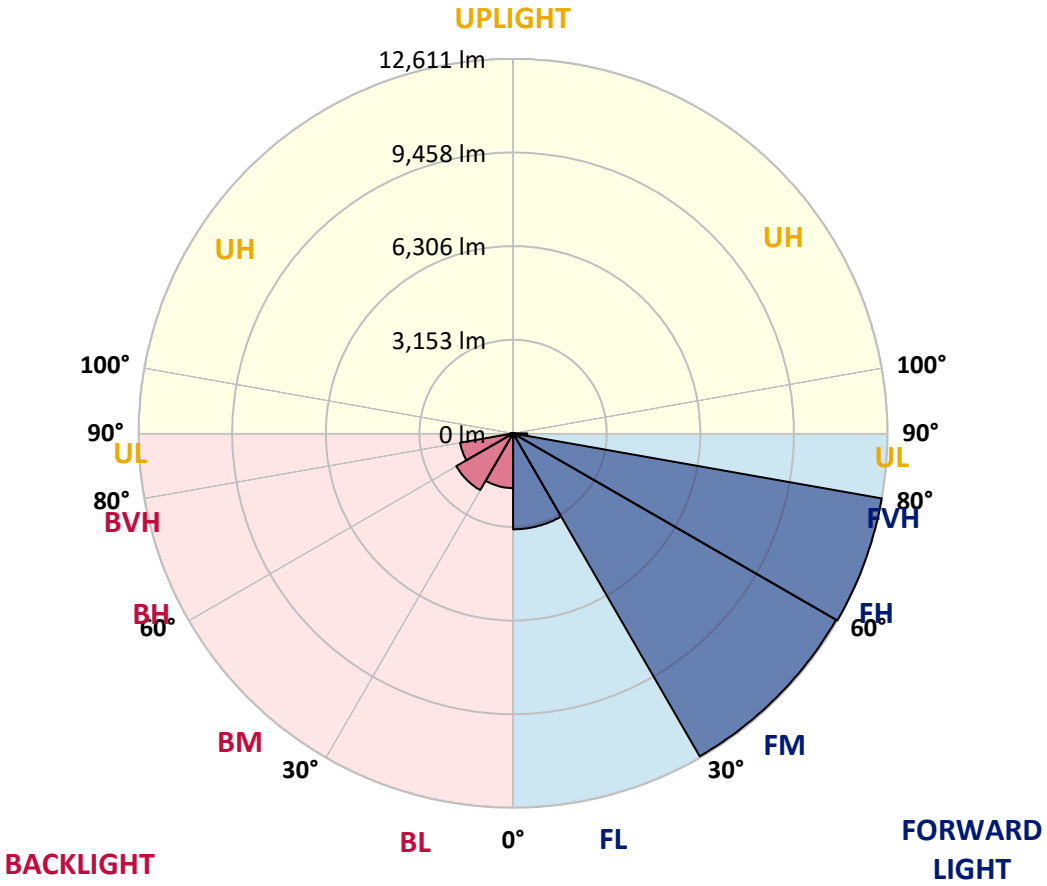
REPORT NUMBER: P643426
CATALOG NUMBER: GWS-SA6E-830-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3233.6	9.3			
FM	(30°-60°)	12564.2	36.1			
FH	(60°-80°)	12611.2	36.2			G5
FVH	(80°-90°)	474.9	1.4			G3/500
BL	(0°-30°)	1843.6	5.3	B3/2500		
BM	(30°-60°)	2209.4	6.3	B2/2500		
BH	(60°-80°)	1810.9	5.2	B3/2500		G3/2500
BVH	(80°-90°)	95.0	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-G5
Type III Medium



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Scaled Data Report

REPORT NUMBER: P643426
CATALOG NUMBER: GWS-SA6E-830-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	*9641.5*	9641.5	9641.5	9641.5
2.5°	9506.3	9516.5	9544.6	9585.4	9626.2	9646.6	9697.5	*9682.2*	9672.0	9651.7	9626.2
5°	9085.7	9106.1	9131.6	9210.6	9299.8	9371.2	9485.9	*9498.7*	9503.8	9514.0	9473.2
7.5°	8550.4	8555.5	8616.6	8721.2	8838.4	8960.8	9152.0	*9205.5*	9251.4	9302.4	9269.3
10°	7958.9	7971.7	8017.5	8168.0	8369.4	8550.4	8807.8	*8897.1*	8993.9	9106.1	9060.2
12.5°	7474.5	7477.1	7551.0	7711.6	7930.9	8175.6	8496.8	*8603.9*	8731.4	8907.3	8866.5
15°	7089.6	7089.6	7158.4	7296.1	7548.5	7836.5	8218.9	*8356.6*	8530.0	8767.0	8695.7
17.5°	6783.7	6786.2	6829.6	6974.9	7199.2	7517.9	7971.7	*8157.8*	8349.0	8662.5	8555.5
20°	6623.1	6610.3	6618.0	6707.2	6898.4	7206.9	7724.4	*7941.1*	8198.5	8591.1	8428.0
22.5°	6615.4	6592.5	6559.3	6567.0	6679.2	6934.1	7459.3	*7721.8*	8045.6	8532.5	8298.0
25°	6745.4	6720.0	6661.3	6595.0	6584.8	6737.8	7209.4	*7507.7*	7887.5	8507.0	8173.1
27.5°	6964.7	6946.8	6870.4	6770.9	6666.4	6661.3	7020.8	*7331.8*	7772.8	8532.5	8083.8
30°	7255.3	7224.7	7176.3	7048.8	6890.8	6727.6	6946.8	*7237.5*	7696.3	8614.1	8045.6
32.5°	7584.2	7566.3	7520.4	7393.0	7224.7	6964.7	7005.5	*7257.9*	7696.3	8756.8	8053.2
35°	7933.4	7930.9	7930.9	7846.7	7660.6	7336.9	7237.5	*7431.2*	7813.6	8986.3	8134.8
37.5°	8272.5	8269.9	8351.5	8382.1	8170.5	7821.3	7632.6	*7777.9*	8071.1	9325.3	8336.2
40°	8547.8	8558.0	8736.5	8889.4	8772.1	8448.4	8183.3	*8257.2*	8489.2	9807.2	8688.0
42.5°	8825.7	8853.7	9121.4	9391.6	9437.5	9157.1	8889.4	*8932.7*	9088.3	10444.5	9213.2
45°	9129.0	9141.8	9516.5	9893.8	10115.6	9949.9	9730.7	*9789.3*	9825.0	11232.2	9995.8
47.5°	9422.2	9455.4	9939.7	10457.2	10877.9	10862.6	10740.2	*10722.4*	10730.0	12190.8	10921.2
50°	9822.5	9870.9	10439.4	11064.0	11680.9	11963.9	11999.6	*11864.4*	11808.4	13256.4	12073.5
52.5°	10582.1	10582.1	11092.0	11706.4	12534.9	13236.0	13475.6	*13253.8*	13075.4	14383.2	13297.2
55°	11533.0	11573.8	11979.2	12476.3	13526.6	14574.3	15385.0	*15140.3*	14635.5	15609.4	14579.4
57.5°	11956.2	12007.2	12649.6	13422.1	14824.2	16096.3	17220.5	*17133.8*	16397.1	16884.0	15910.2
60°	11191.4	11298.5	12183.1	13478.2	15999.4	18551.3	19344.1	*19091.7*	18038.8	18222.4	17353.1
62.5°	9335.5	9452.8	10434.3	12241.7	15836.3	21205.1	22691.3	*21760.8*	20088.5	19912.6	19275.3
65°	5570.2	5565.1	6745.4	9141.8	13824.9	21941.8	27988.8	*26252.7*	23254.7	22232.4	21253.5
67.5°	3541.0	3533.3	3780.6	4843.7	9200.4	20136.9	31394.6	*31845.9*	27555.4	23937.9	21416.7
70°	*2794.0*	*2791.5*	*2969.9*	*3454.3*	*4550.5*	*14329.6*	*30446.3*	*33569.2*	*30153.1*	*23287.9*	*18857.2*
72.5°	2036.9	2042.0	2317.3	2893.5	3510.4	7194.1	24654.3	*28723.0*	27733.8	20557.6	15308.5
75°	1463.3	1470.9	1636.7	2215.3	3237.6	3933.6	16394.6	*21597.7*	21100.6	16478.7	10531.2
77.5°	930.5	940.7	1086.0	1552.5	2615.6	3176.4	9939.7	*15247.4*	14039.0	9284.6	3744.9
80°	568.5	601.6	724.0	1157.4	2090.4	2383.6	4968.6	*8032.8*	7031.0	2546.8	1259.4
82.5°	293.2	318.7	435.9	716.4	1440.4	2093.0	2811.9	*3375.3*	2177.1	1065.6	670.5
85°	91.8	107.1	153.0	290.6	685.8	1297.6	1861.0	*1677.4*	999.3	502.2	311.0
87.5°	22.9	22.9	25.5	25.5	28.0	58.6	359.5	*379.8*	265.1	158.1	127.5
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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REPORT NUMBER: P643426
CATALOG NUMBER: GWS-SA6E-830-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5
2.5°	9575.2	9514.0	9488.5	9485.9	9422.2	9330.4	9269.3	9225.9	9200.4	9195.3	9195.3
5°	9404.4	9325.3	9220.8	9141.8	8971.0	8797.6	8652.3	8570.7	8476.4	8463.7	8461.1
7.5°	9177.5	9062.8	8863.9	8642.1	8343.9	8055.8	7811.1	7645.4	7479.6	7449.1	7438.9
10°	8932.7	8777.2	8438.2	8048.1	7602.0	7171.2	6796.4	6503.3	6309.5	6171.9	6146.4
12.5°	8690.6	8484.1	7987.0	7405.7	6793.9	6205.0	5641.6	5162.3	4815.6	4614.2	4578.5
15°	8463.7	8175.6	7494.9	6753.1	5957.7	5152.1	4354.2	3732.2	3245.3	3071.9	3031.1
17.5°	8257.2	7897.7	7018.2	6077.5	5085.9	4033.0	3125.4	2572.2	2286.7	2200.0	2179.7
20°	8050.7	7612.2	6533.9	5366.3	4160.5	2980.1	2284.2	2024.1	1917.1	1883.9	1873.7
22.5°	7828.9	7298.6	6006.2	4665.2	3224.9	2230.6	1868.6	1753.9	1720.8	1723.3	1720.8
25°	7607.1	6980.0	5453.0	3903.0	2401.4	1810.0	1631.6	1588.2	1595.9	1618.8	1623.9
27.5°	7423.6	6697.0	4910.0	3066.8	1876.3	1557.6	1473.5	1470.9	1499.0	1529.6	1534.7
30°	7291.0	6444.6	4374.6	2358.1	1544.9	1384.3	1351.1	1366.4	1399.6	1422.5	1430.2
32.5°	7196.7	6227.9	3803.6	1853.3	1353.7	1261.9	1246.6	1261.9	1282.3	1305.2	1310.3
35°	7163.5	6069.9	3242.7	1511.7	1223.7	1172.7	1162.5	1170.1	1180.3	1193.1	1198.2
37.5°	7237.5	5990.9	2656.4	1315.4	1144.6	1114.0	1098.7	1093.6	1096.2	1101.3	1103.8
40°	7456.7	6026.5	2177.1	1200.7	1093.6	1065.6	1040.1	1029.9	1027.4	1032.5	1029.9
42.5°	7834.0	6177.0	1830.4	1134.4	1052.9	1012.1	984.0	973.8	973.8	986.6	986.6
45°	8387.2	6472.7	1580.6	1086.0	1017.2	966.2	935.6	930.5	940.7	961.1	963.6
47.5°	9197.9	6906.1	1430.2	1050.3	984.0	925.4	894.8	892.3	912.6	945.8	948.3
50°	10159.0	7530.6	1348.6	1024.8	961.1	892.3	861.7	864.2	887.2	922.8	930.5
52.5°	11316.3	8382.1	1353.7	1014.6	948.3	871.9	841.3	836.2	859.1	894.8	902.5
55°	12512.0	9417.1	1453.1	1017.2	930.5	861.7	820.9	803.0	823.4	848.9	851.5
57.5°	13827.4	10584.7	1700.4	1012.1	907.6	851.5	803.0	762.2	775.0	790.3	797.9
60°	15311.1	11958.8	2233.2	1022.3	897.4	828.5	767.3	713.8	711.3	721.5	724.0
62.5°	17294.5	13827.4	2832.3	1040.1	920.3	800.5	713.8	657.7	647.5	652.6	655.2
65°	18811.3	14719.7	2643.6	1024.8	968.7	780.1	662.8	604.2	583.8	578.7	578.7
67.5°	18194.4	13539.3	1840.6	984.0	991.7	782.6	622.0	548.1	522.6	509.9	507.3
70°	*15481.9*	*10997.7*	*1279.7*	*943.2*	*966.2*	*777.5*	*578.7*	*502.2*	*469.1*	*451.2*	*448.7*
72.5°	12231.5	8397.4	1035.0	861.7	877.0	701.1	515.0	451.2	423.2	400.2	400.2
75°	7872.2	5124.1	864.2	767.3	716.4	545.6	446.1	402.8	374.7	351.8	351.8
77.5°	2648.7	1901.8	670.5	650.1	535.4	410.4	374.7	346.7	323.8	303.4	300.8
80°	1075.8	902.5	492.0	492.0	374.7	313.6	293.2	280.4	265.1	239.6	239.6
82.5°	624.6	548.1	344.2	298.3	249.8	216.7	203.9	191.2	191.2	173.4	173.4
85°	300.8	303.4	206.5	183.5	142.8	124.9	119.8	112.2	109.6	99.4	96.9
87.5°	163.2	165.7	104.5	81.6	56.1	48.4	40.8	38.2	35.7	33.1	33.1
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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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

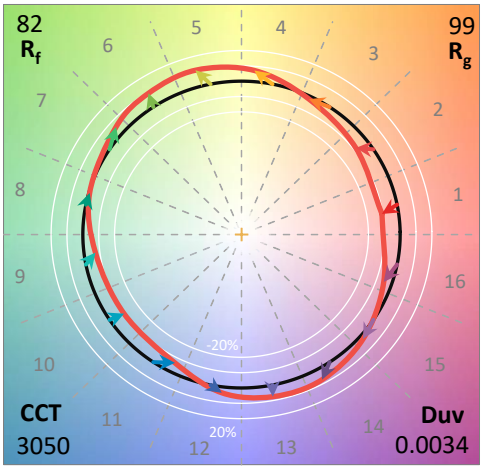
Test Information

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

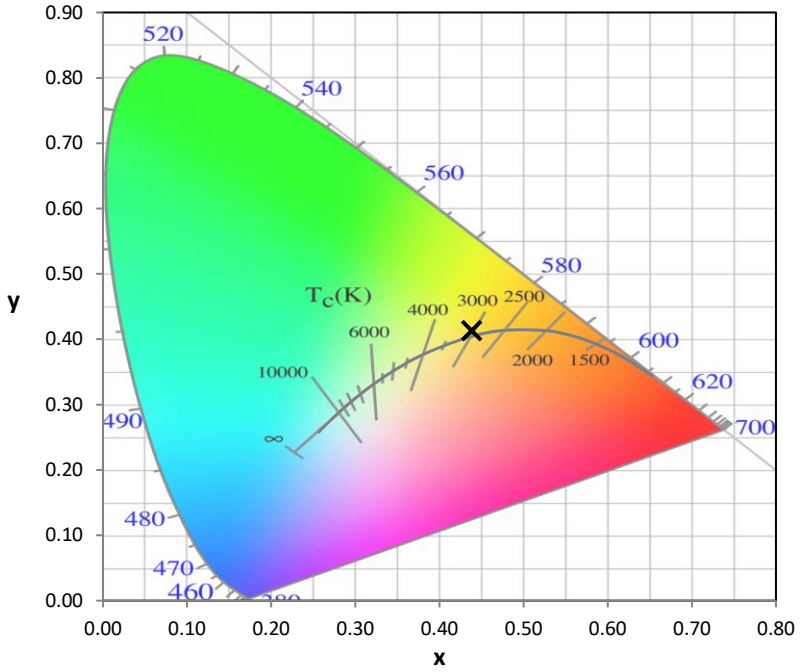
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

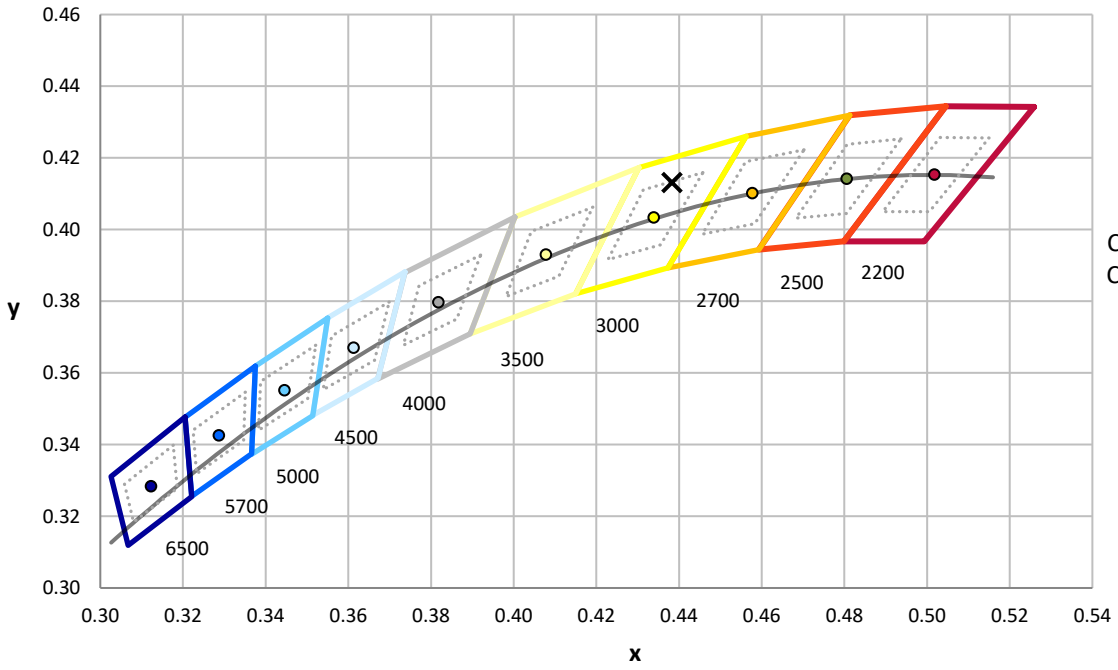
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

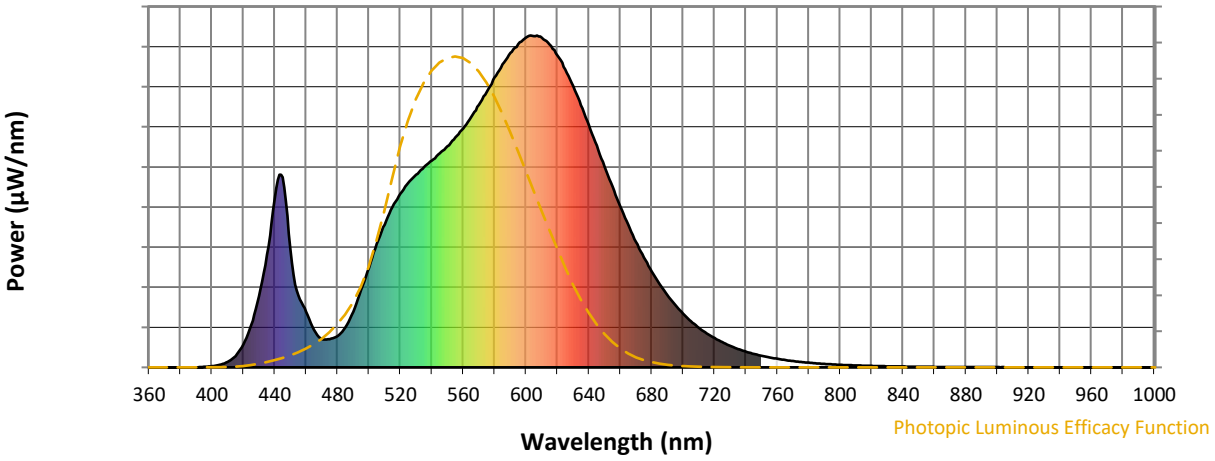


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

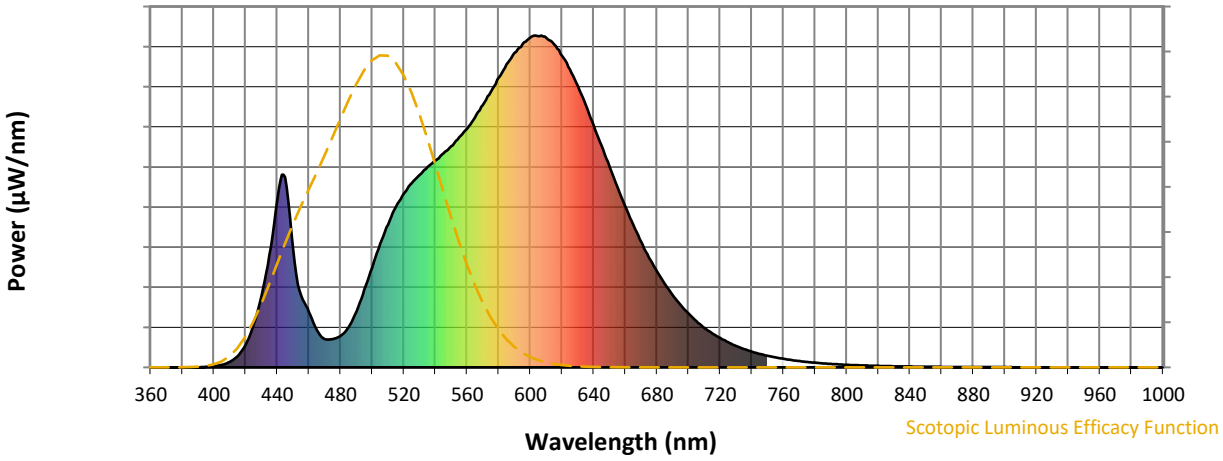


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

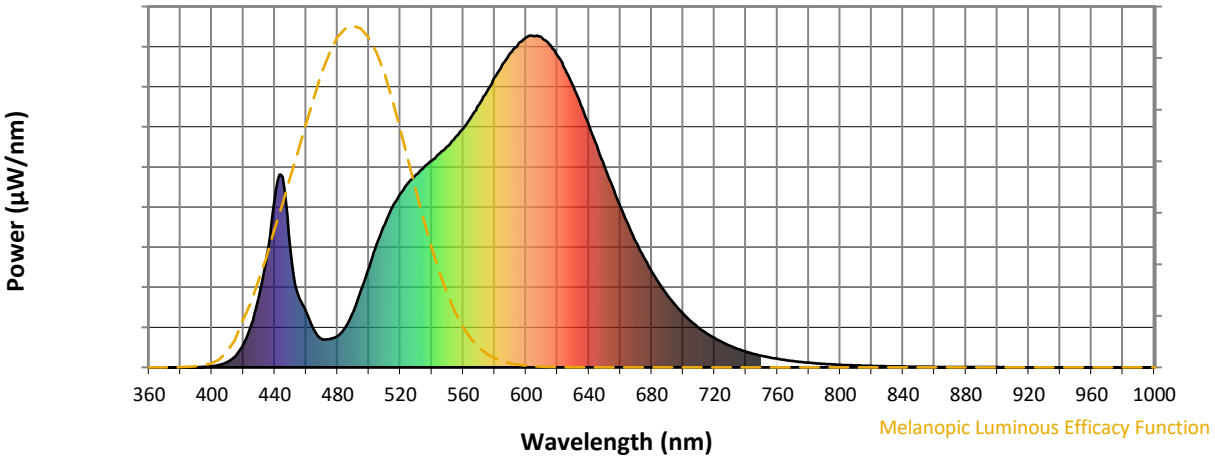


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

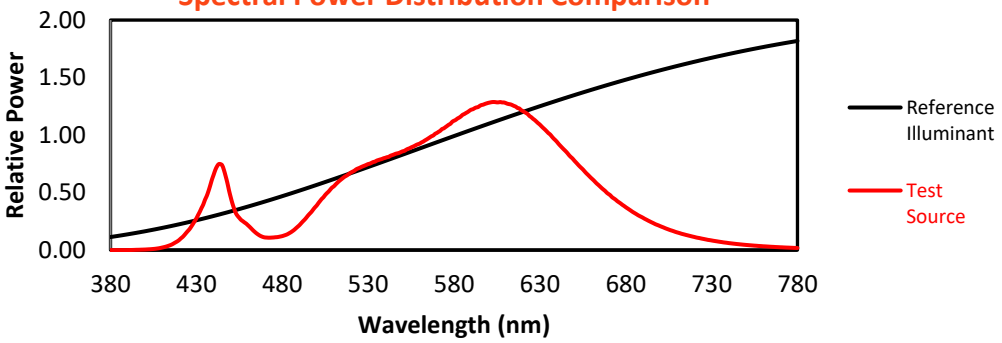
REPORT NUMBER: SP1-2408-195-9

TM-30-18

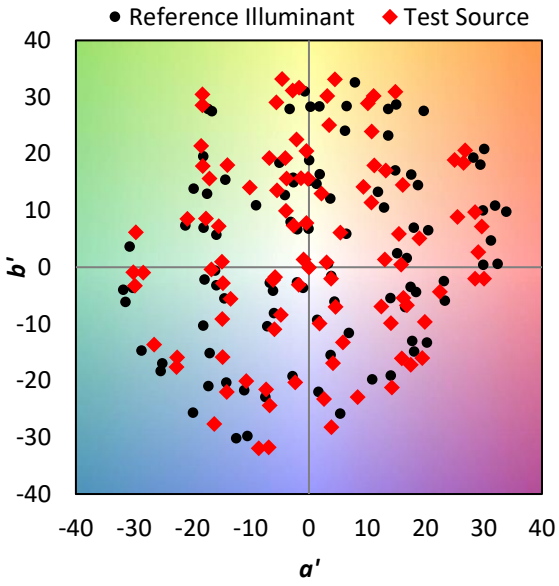
Summary

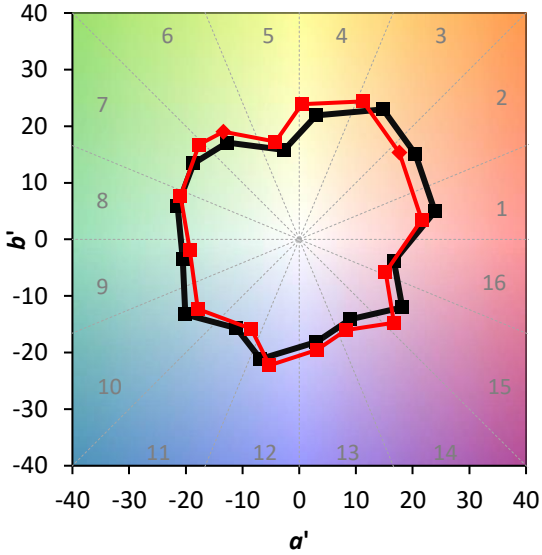
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

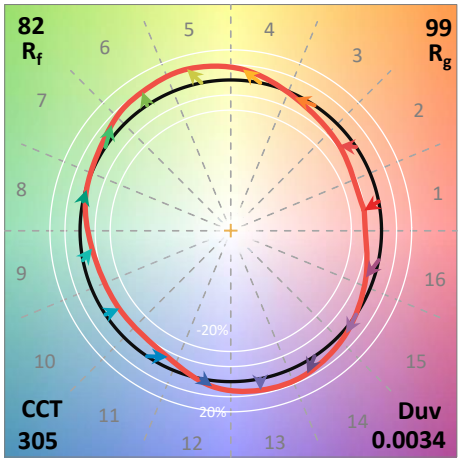
Spectral Power Distribution Comparison

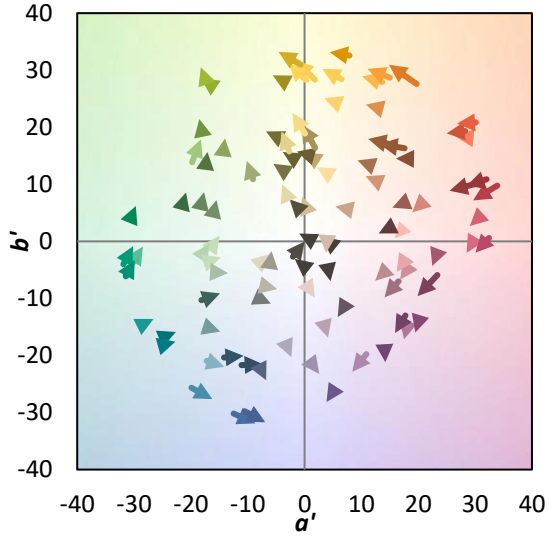


Color Vector Graphics







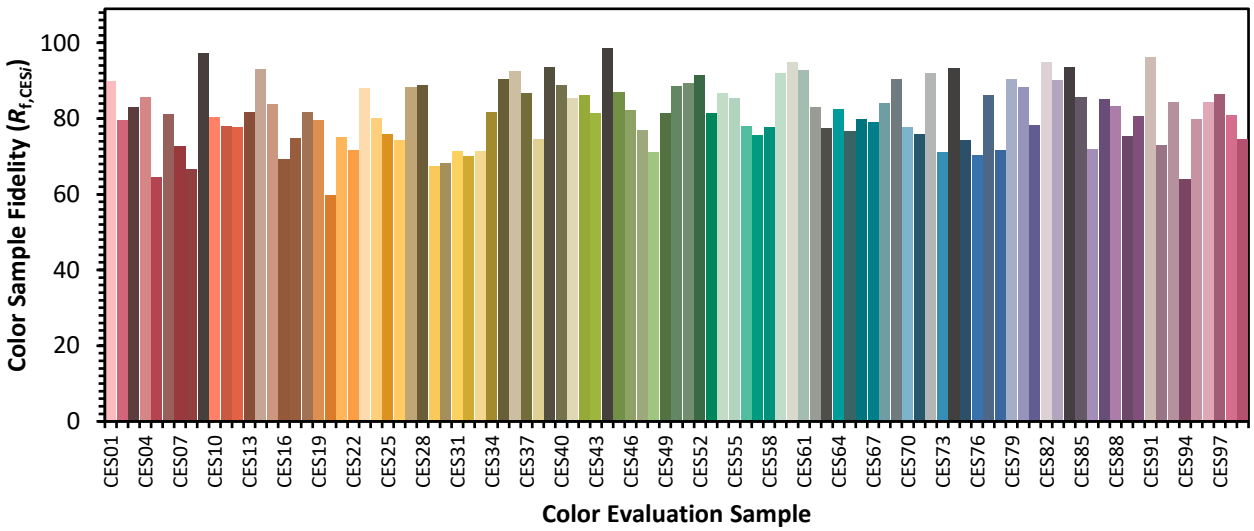


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

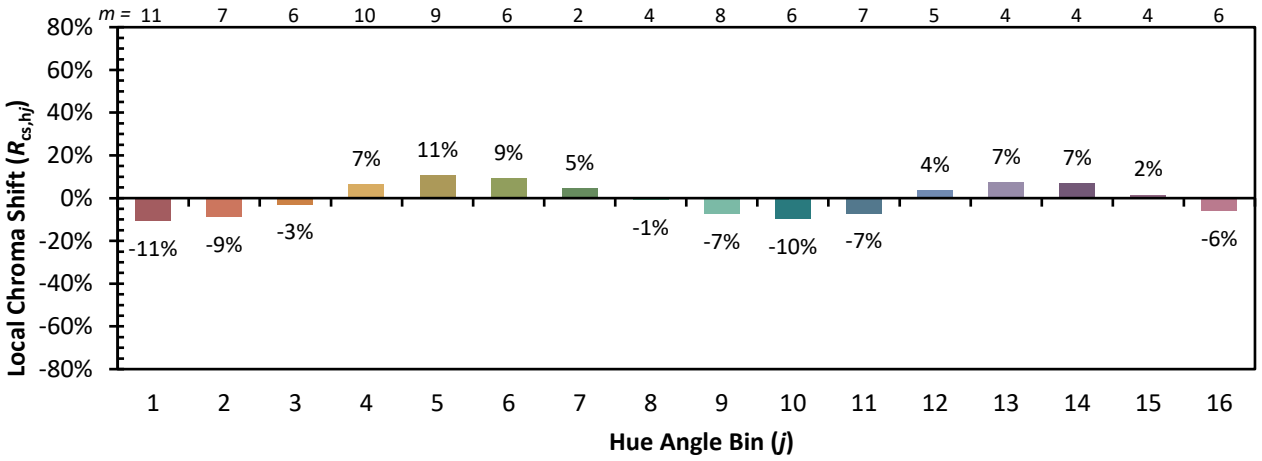
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

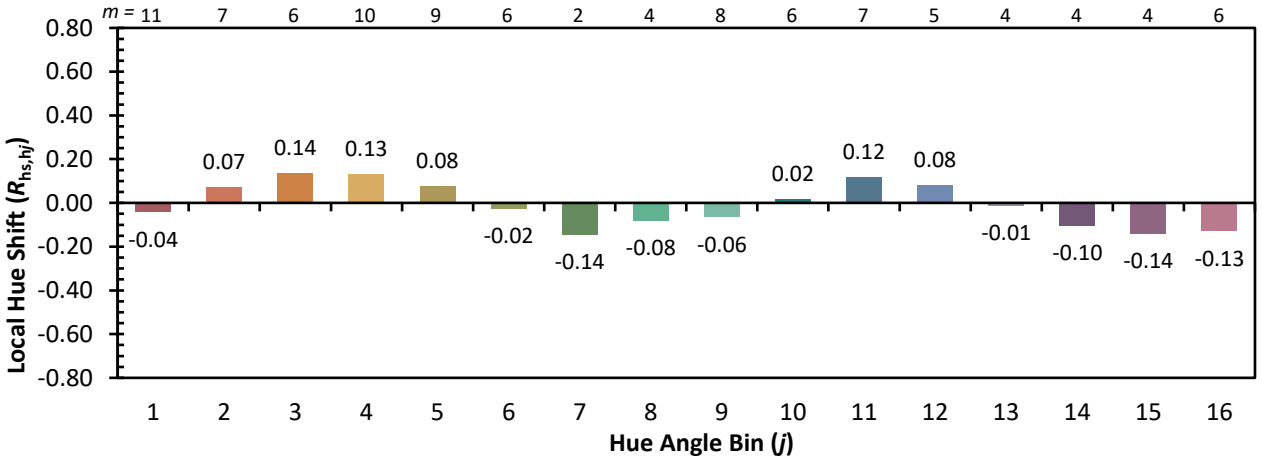


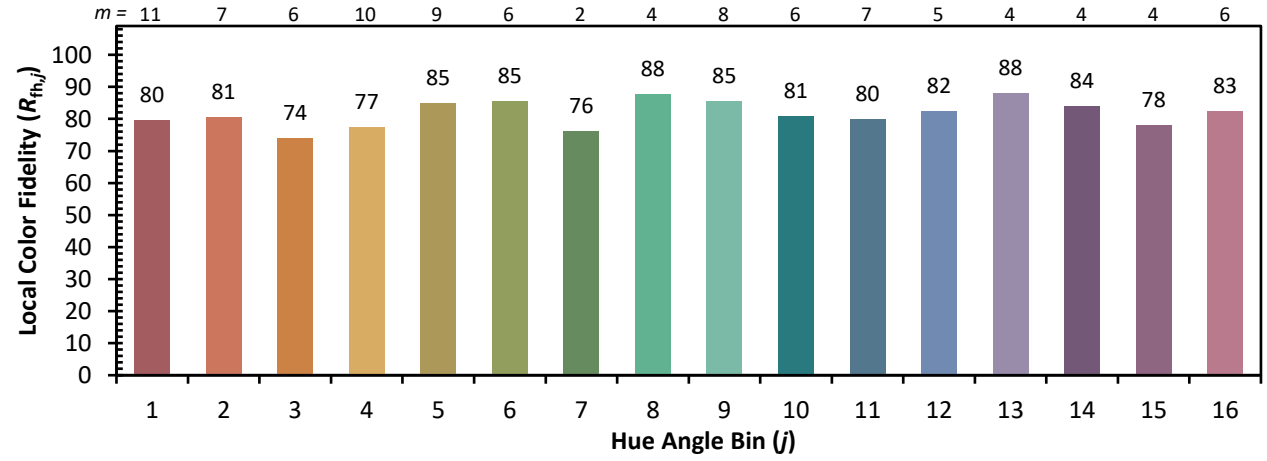
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



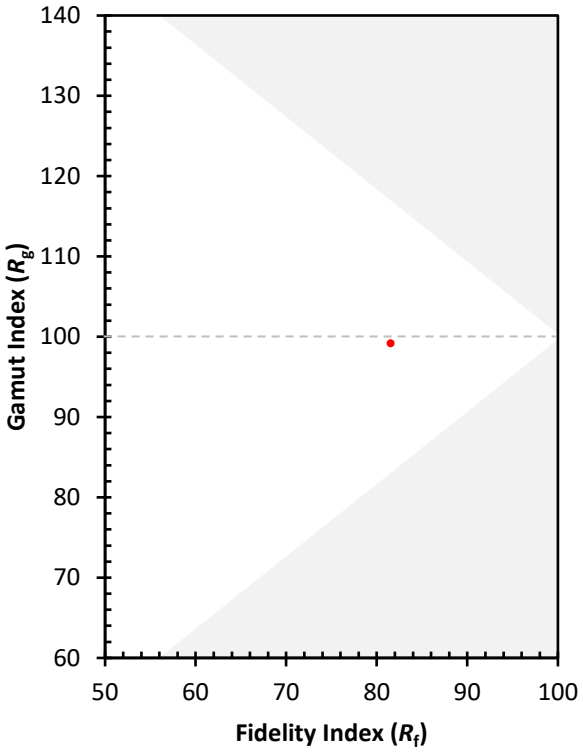


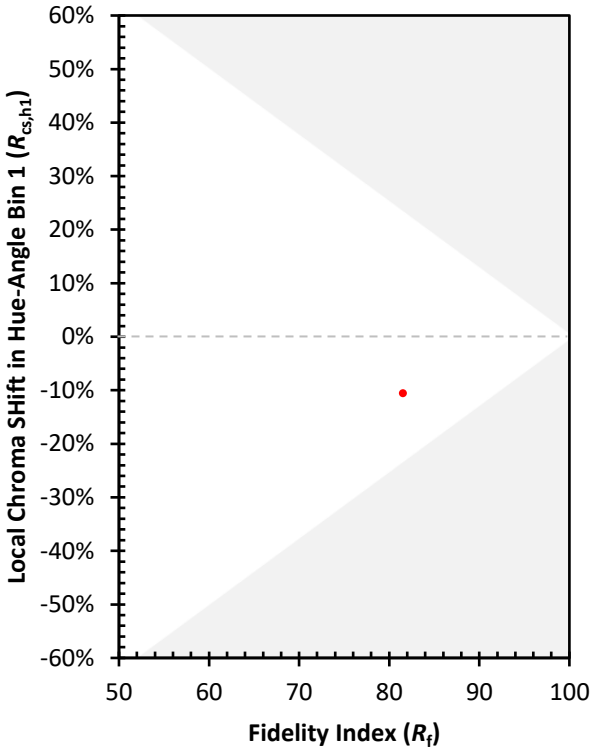


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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