Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202364

Luminaire Tested: GWC-SB1D-830-U-SL4-HSS

Issue Date: 10/30/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202364
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-830-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6417 lumens
Efficiency:	N/A
Efficacy:	80.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

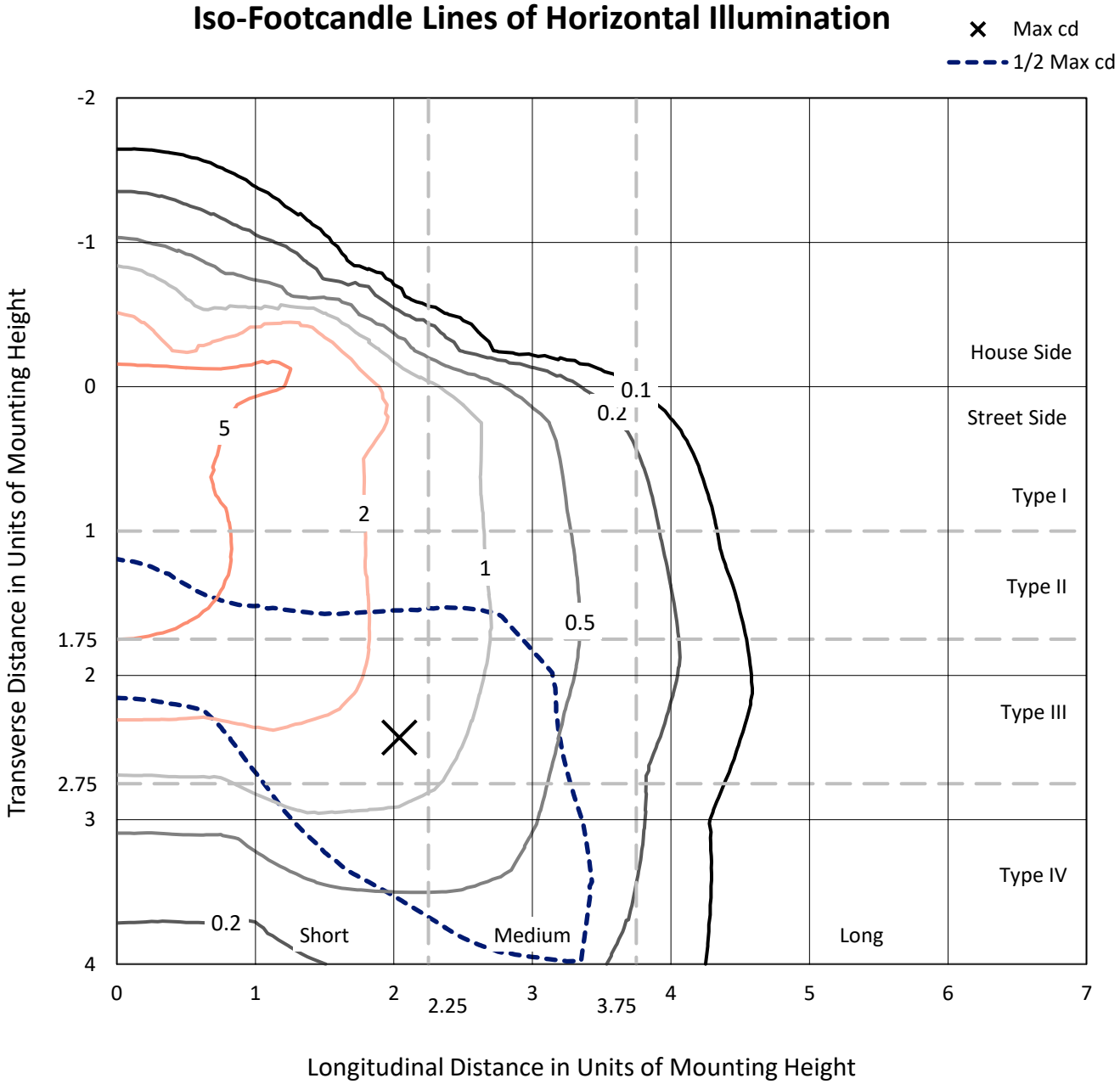


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Scaled Data Report

REPORT NUMBER: P1202364
CATALOG NUMBER: GWC-SB1D-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



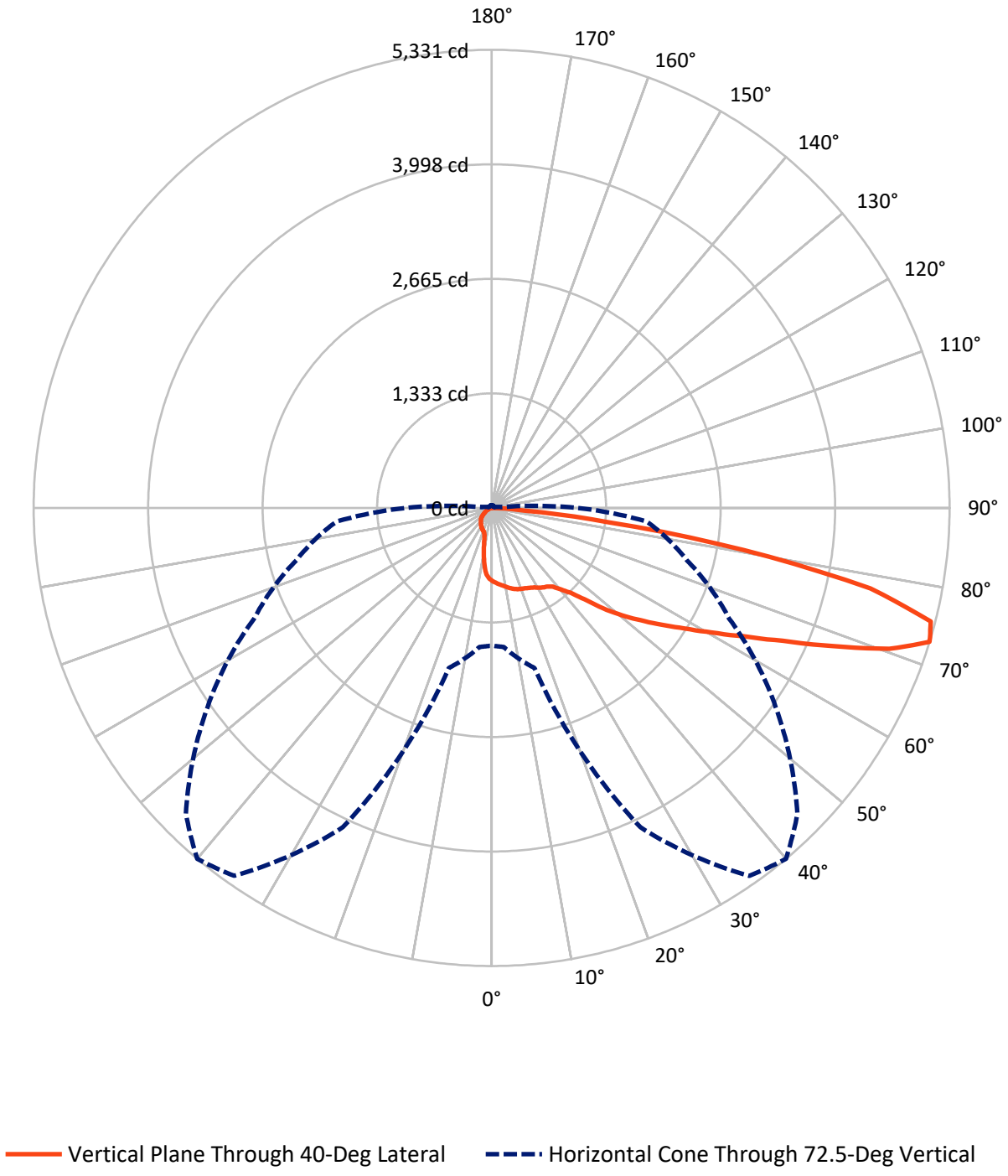
Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
Type IV - Short - N/A

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REPORT NUMBER: P1202364
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Luminous Intensity Polar Plot



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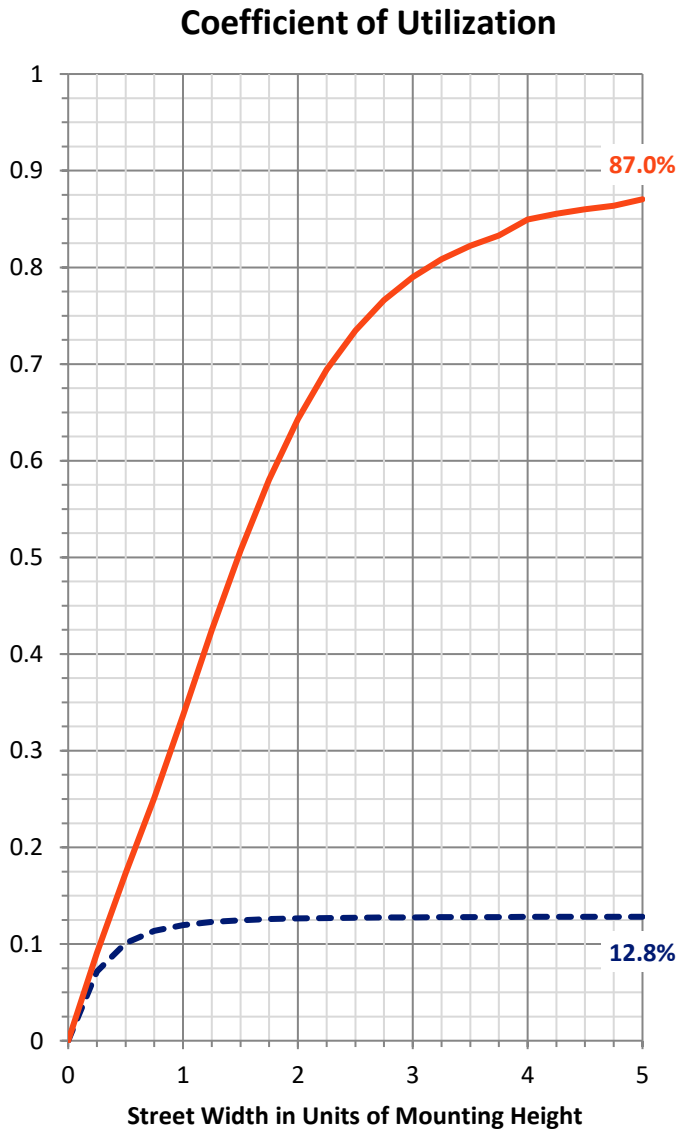
REPORT NUMBER: P1202364
CATALOG NUMBER: GWC-SB1D-830-U-SL4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.7	0.0	828.7
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	5588.3	0.0	5588.3
	% Fixture	87.1	0.0	87.1
Total	Lumens	6417.0	0.0	6417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.2
10°-20°	210.7	3.3
20°-30°	341.0	5.3
30°-40°	503.4	7.8
40°-50°	847.2	13.2
50°-60°	1315.5	20.5
60°-70°	1646.1	25.7
70°-80°	1347.7	21.0
80°-90°	127.8	2.0
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°	6417.0	100.0
0°-180°	6417.0	100.0



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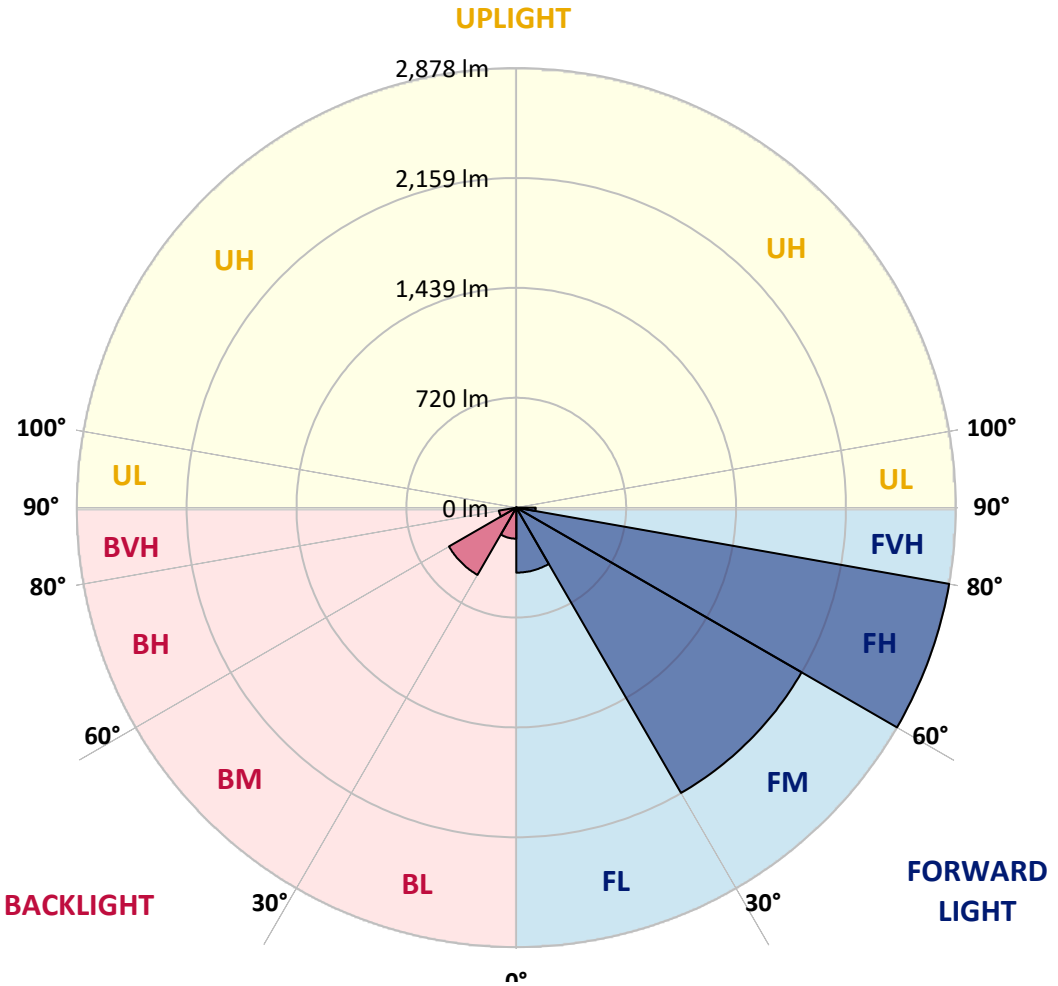
Scaled Data Report

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CATALOG NUMBER: GWC-SB1D-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	425.9	6.6			
FM	(30°-60°)	2157.3	33.6			
FH	(60°-80°)	2878.3	44.9			G2/5000
FVH	(80°-90°)	126.8	2.0			G2/225
BL	(0°-30°)	203.4	3.2	B1/500		
BM	(30°-60°)	508.9	7.9	B1/1000		
BH	(60°-80°)	115.4	1.8	B1/500		G1/500
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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REPORT NUMBER: P1202364
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	849.7	849.7	849.7	849.7	849.7	*849.7*	849.7	849.7	849.7	849.7	849.7
2.5°	875.3	878.7	876.7	872.9	871.9	*870.0*	867.5	866.6	863.2	860.3	856.9
5°	899.9	903.3	900.9	895.6	893.2	*890.7*	887.4	884.5	877.7	871.4	863.7
7.5°	927.0	929.9	927.0	919.3	915.4	*912.5*	907.7	903.3	895.6	886.4	876.7
10°	957.0	959.4	955.0	944.9	938.6	*934.2*	929.9	925.1	917.8	907.7	896.1
12.5°	985.0	987.9	981.1	969.0	961.8	*957.4*	952.6	948.7	941.5	931.8	919.7
15°	1010.6	1015.0	1003.4	990.3	982.1	*978.7*	973.9	971.5	966.6	959.9	948.7
17.5°	1029.9	1032.8	1020.8	1005.3	996.1	*993.7*	990.3	991.8	990.8	987.4	980.2
20°	1046.4	1048.3	1032.4	1013.5	1003.4	*1003.8*	1002.9	1007.7	1009.6	1009.6	1009.2
22.5°	1066.7	1067.2	1046.9	1023.2	1011.1	*1014.5*	1015.9	1021.2	1025.1	1029.0	1037.7
25°	1093.3	1092.3	1068.1	1035.7	1025.1	*1029.9*	1033.3	1035.3	1039.6	1045.9	1065.7
27.5°	1132.9	1130.0	1099.1	1056.0	1043.5	*1047.8*	1054.1	1053.1	1051.2	1056.0	1089.4
30°	1183.1	1179.3	1138.2	1084.6	1073.0	*1076.8*	1078.8	1070.1	1056.0	1060.4	1110.2
32.5°	1262.9	1256.1	1199.1	1116.5	1098.6	*1102.9*	1100.5	1082.6	1061.8	1066.2	1131.0
35°	1401.6	1385.2	1304.5	1183.1	1127.6	*1122.7*	1116.9	1099.5	1073.9	1069.6	1148.3
37.5°	1696.4	1667.4	1529.7	1313.2	1193.3	*1161.9*	1144.0	1126.6	1087.0	1069.6	1168.2
40°	2028.9	1999.5	1840.5	1530.6	1302.5	*1249.4*	1206.8	1158.5	1100.5	1075.9	1199.1
42.5°	2376.0	2343.6	2180.2	1800.3	1458.6	*1349.4*	1270.1	1184.1	1122.7	1095.2	1240.2
45°	2763.6	2723.0	2509.4	2081.6	1685.3	*1515.7*	1372.1	1236.8	1161.4	1129.5	1296.2
47.5°	3172.5	3119.8	2837.5	2354.7	1929.4	*1745.7*	1558.7	1331.0	1218.4	1180.7	1372.1
50°	3534.9	3482.7	3176.3	2640.3	2157.5	*1964.7*	1771.3	1461.5	1304.0	1253.2	1474.1
52.5°	3795.5	3755.8	3484.7	2935.2	2394.8	*2170.1*	1964.2	1613.3	1412.2	1346.0	1594.4
55°	3969.9	3933.7	3703.1	3214.5	2670.8	*2396.3*	2154.1	1778.1	1542.7	1457.2	1727.4
57.5°	4075.8	4055.0	3861.2	3463.9	2944.3	*2643.7*	2371.6	1959.3	1696.4	1588.2	1875.7
60°	4113.5	4096.6	3959.3	3701.7	3274.9	*2941.0*	2627.3	2163.8	1883.0	1737.0	2028.0
62.5°	4012.9	4016.3	4029.9	3983.5	3623.4	*3288.9*	2933.7	2409.3	2089.8	1905.7	2171.0
65°	3539.8	3567.8	3824.9	4295.7	4085.0	*3724.9*	3323.7	2709.0	2326.7	2097.6	2284.6
67.5°	2930.8	2971.4	3291.4	4478.4	4577.0	*4290.8*	3867.0	3090.8	2608.9	2292.8	2327.6
70°	2243.5	2287.0	2674.6	4440.2	5037.6	*4909.5*	4538.8	3576.5	2901.3	2428.2	2217.9
72.5°	*1601.2*	*1623.4*	*1928.9*	*4100.4*	*5226.5*	*5330.9*	*5033.7*	*4036.6*	*3050.7*	*2353.2*	*1809.0*
75°	1125.2	1121.3	1323.8	3302.0	4932.2	*5279.7*	4860.2	3787.7	2760.7	1869.5	1115.5
77.5°	490.1	491.0	661.2	2005.3	3936.6	*4509.3*	4040.0	2372.6	1924.5	990.8	470.7
80°	127.1	131.0	242.6	798.4	2370.2	*2976.2*	2463.9	1043.0	889.3	241.7	89.9
82.5°	44.9	47.8	111.6	250.8	874.3	*1364.9*	1097.1	333.5	232.0	69.1	24.2
85°	13.0	15.5	59.9	76.8	180.8	*385.7*	266.3	64.8	57.0	35.8	6.3
87.5°	0.0	1.9	12.1	10.6	10.6	*7.2*	13.5	7.2	9.2	4.3	1.9
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: P1202364
CATALOG NUMBER: GWC-SB1D-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	849.7	849.7	849.7	849.7	849.7	849.7	849.7	849.7	849.7	849.7	849.7
2.5°	854.0	850.6	843.4	835.6	828.4	821.6	819.7	812.4	809.1	809.5	809.1
5°	858.4	852.1	838.1	821.1	803.7	783.9	767.5	744.3	724.5	722.1	720.6
7.5°	870.0	859.8	837.1	804.2	760.7	706.1	655.4	605.1	576.6	561.1	560.2
10°	887.8	874.3	839.5	776.7	684.4	586.7	509.9	446.6	414.2	399.2	396.3
12.5°	909.1	894.1	843.4	729.8	585.8	457.7	374.6	335.9	329.1	328.2	327.7
15°	939.1	922.6	847.7	666.5	479.0	348.5	310.3	310.8	316.1	319.0	318.5
17.5°	972.4	956.0	841.4	589.2	373.6	297.7	296.8	301.1	308.8	311.7	311.3
20°	1006.3	990.8	819.2	498.3	302.1	283.7	287.6	292.4	300.1	304.0	304.0
22.5°	1041.1	1027.5	783.9	401.6	272.6	273.6	278.4	283.2	291.9	296.3	296.3
25°	1078.3	1066.7	737.1	321.9	260.0	262.9	269.2	275.0	284.2	289.5	289.5
27.5°	1116.0	1107.3	683.9	268.7	248.4	251.8	259.1	266.8	276.0	282.3	282.7
30°	1157.0	1152.2	641.4	248.9	237.3	240.2	248.4	257.1	267.3	275.0	276.0
32.5°	1199.1	1198.1	620.6	263.4	227.2	229.1	236.3	245.0	257.6	267.3	268.2
35°	1240.7	1242.6	608.5	304.5	223.8	218.5	223.3	231.0	246.0	258.1	260.0
37.5°	1293.8	1298.7	608.0	349.0	232.0	207.8	211.2	216.5	229.6	243.6	246.0
40°	1373.1	1398.7	638.9	387.1	246.5	198.2	199.1	200.1	206.9	218.5	222.3
42.5°	1478.5	1553.4	750.6	413.2	252.3	189.5	186.1	180.8	179.8	186.1	189.5
45°	1609.4	1740.4	946.8	427.7	246.5	179.8	170.6	156.6	151.3	155.6	155.6
47.5°	1763.6	1945.3	1179.3	431.1	236.8	167.7	151.3	132.9	128.6	130.0	129.5
50°	1913.9	2099.0	1383.7	403.1	220.9	152.2	130.0	114.5	111.6	112.1	112.1
52.5°	2046.8	2151.7	1441.7	336.9	199.6	133.4	111.6	101.0	99.1	99.1	98.6
55°	2134.8	2094.7	1285.6	257.6	173.0	114.1	95.7	90.4	89.4	88.9	88.0
57.5°	2153.2	1909.1	971.0	186.1	135.3	96.2	85.1	82.2	80.2	78.3	77.3
60°	2087.4	1599.8	618.2	130.0	101.5	82.2	75.4	73.5	69.6	65.7	64.3
62.5°	1945.3	1208.3	342.2	90.4	81.7	70.1	66.7	64.3	57.0	50.7	48.8
65°	1754.4	803.3	151.3	70.6	66.7	59.0	57.0	53.6	44.9	37.7	36.2
67.5°	1562.5	462.5	68.1	56.5	53.6	48.3	46.9	44.5	38.2	31.4	30.4
70°	1343.6	234.4	46.9	44.9	41.6	36.7	38.2	37.7	31.4	25.6	24.6
72.5°	*1000.5*	*116.5*	*35.3*	*33.8*	*30.0*	*26.1*	*31.4*	*30.9*	*24.6*	*19.3*	*18.4*
75°	566.4	57.5	25.6	23.7	17.9	19.3	25.1	23.7	16.9	12.6	11.6
77.5°	224.7	29.5	16.9	14.5	10.6	13.0	18.4	15.9	8.7	5.3	4.8
80°	51.7	14.5	8.7	6.3	4.8	7.7	9.7	5.8	2.4	0.5	0.0
82.5°	14.5	6.3	2.9	2.4	2.4	2.9	2.4	1.0	0.0	0.0	0.0
85°	4.8	2.9	1.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

0

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Peachtree City, GA 30269

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

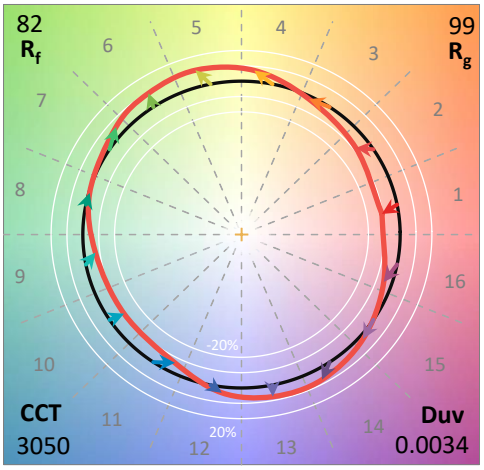
Test Information

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

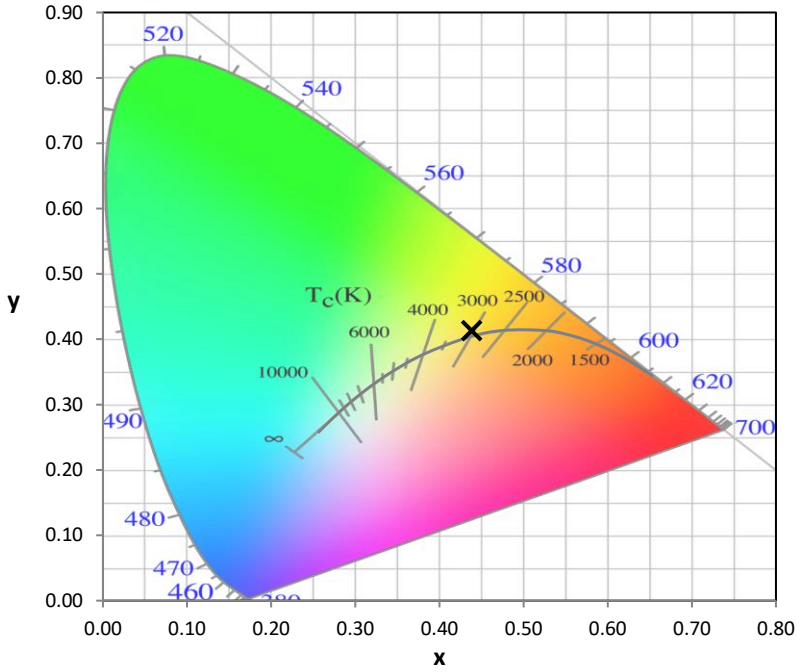
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

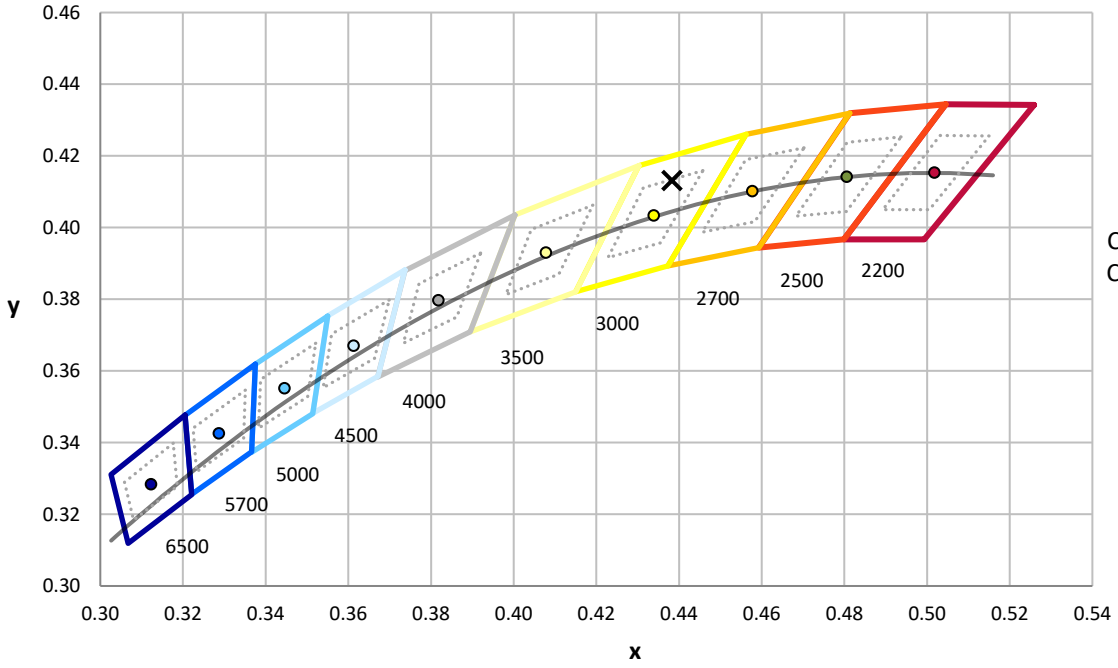
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

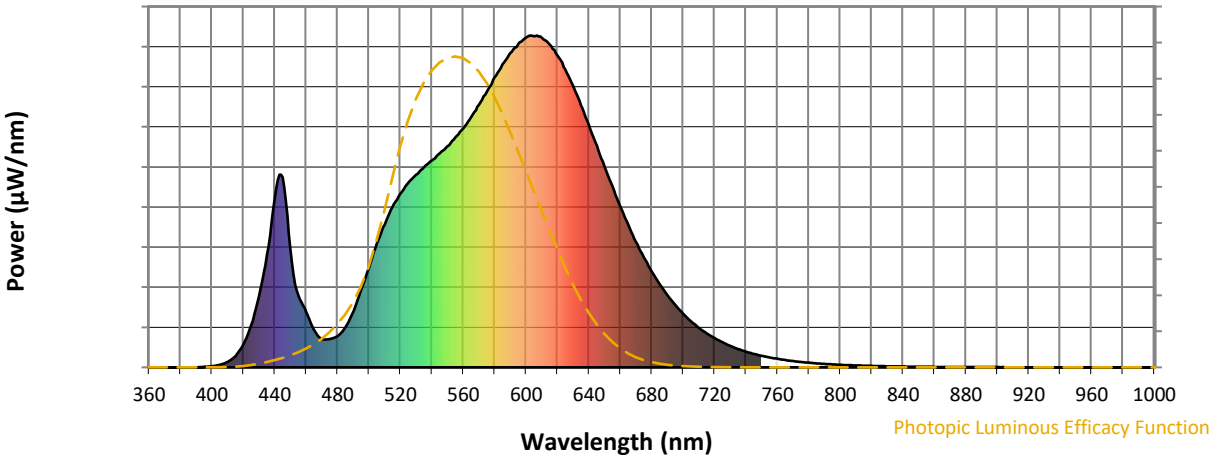


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

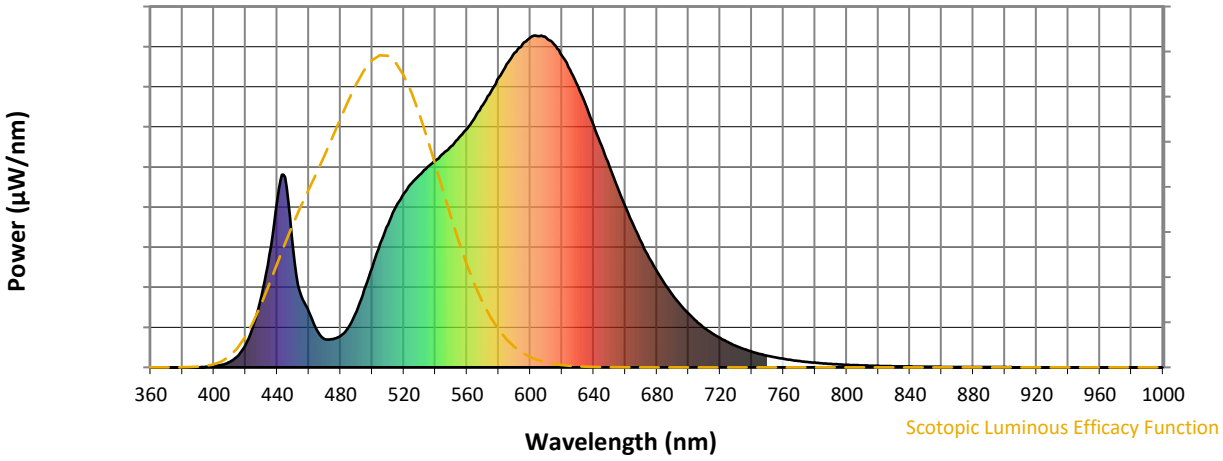


Photopic Lumens: NR

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

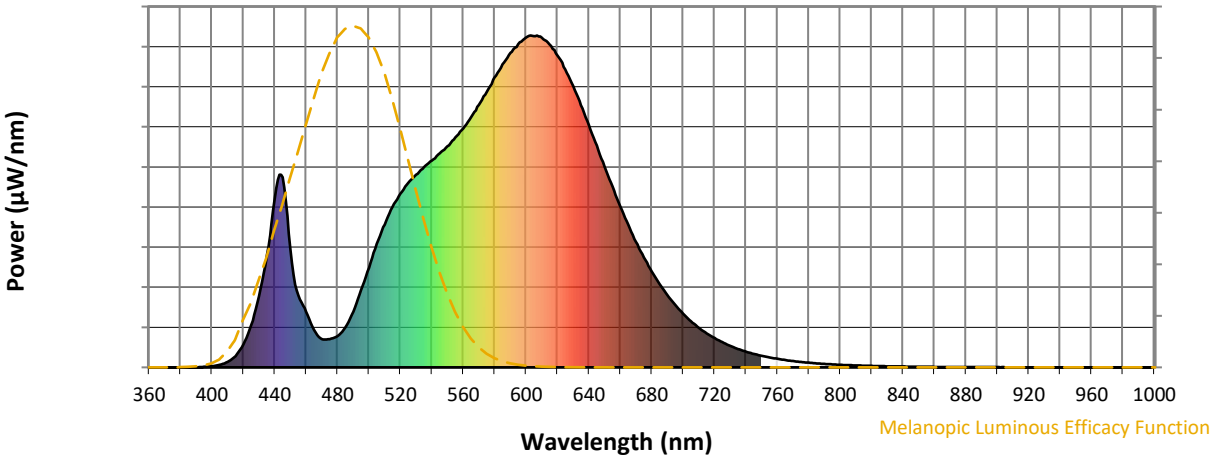


Scotopic Lumens: NR **S/P: 1.27**

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			

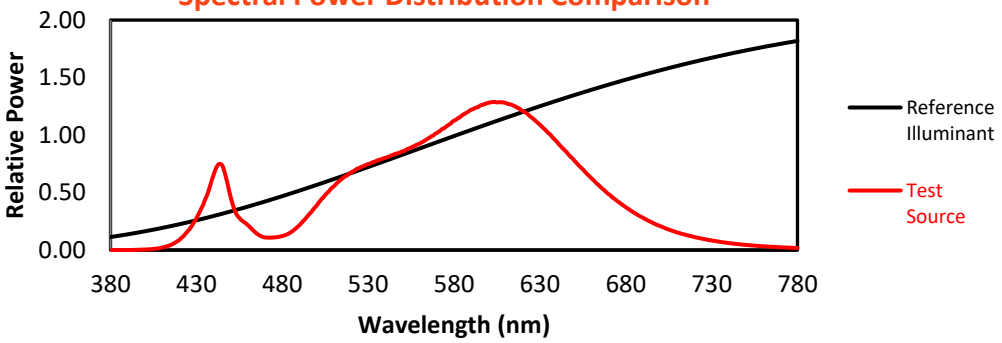
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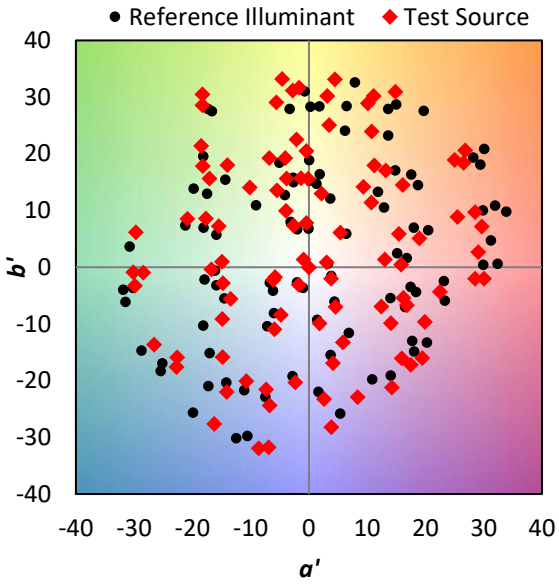
Summary

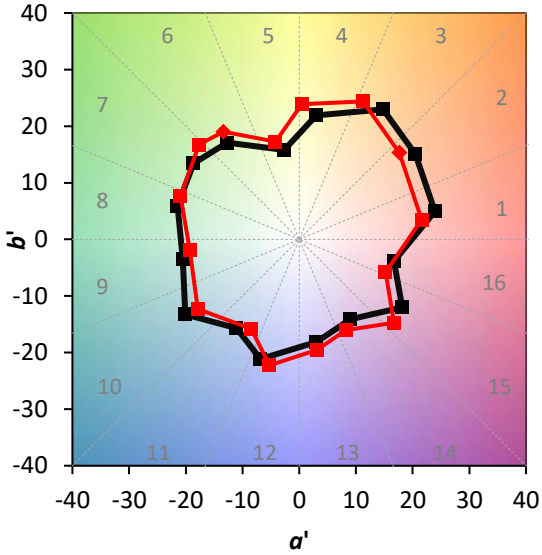
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

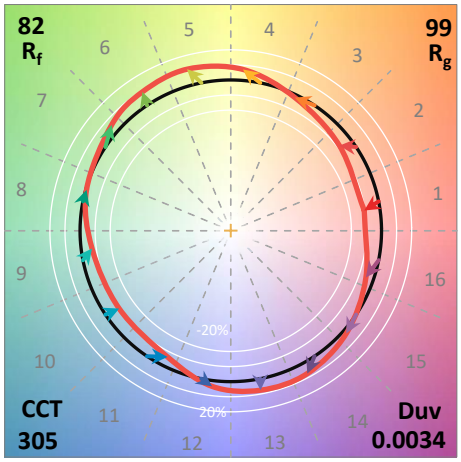
Spectral Power Distribution Comparison

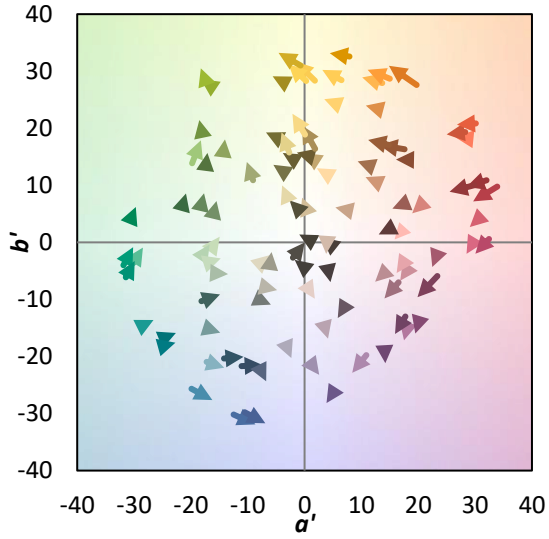


Color Vector Graphics







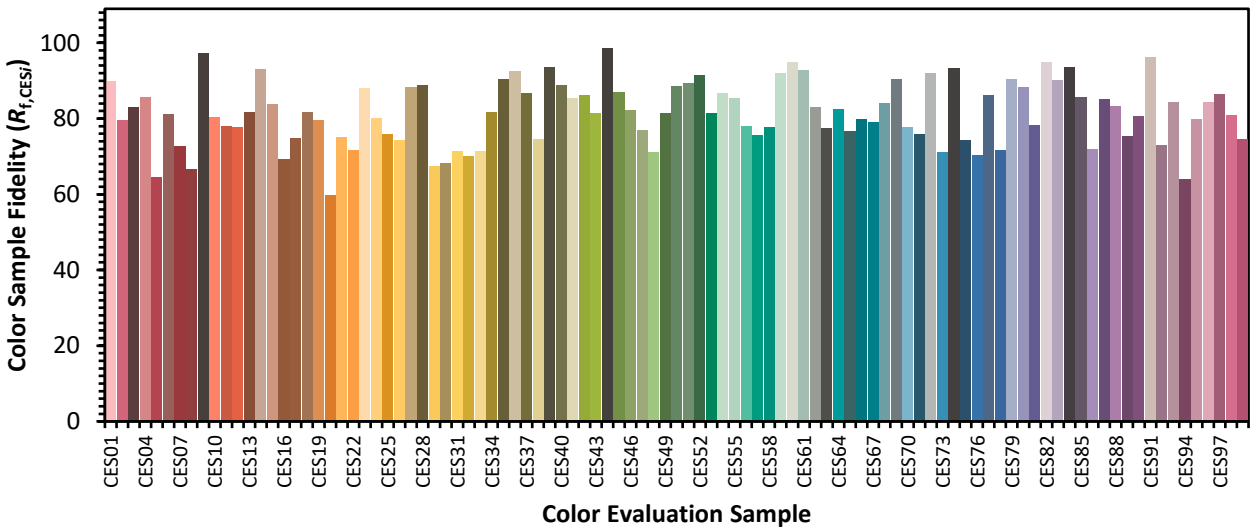


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Individual Sample Fidelity Index ($R_{f,i}$)

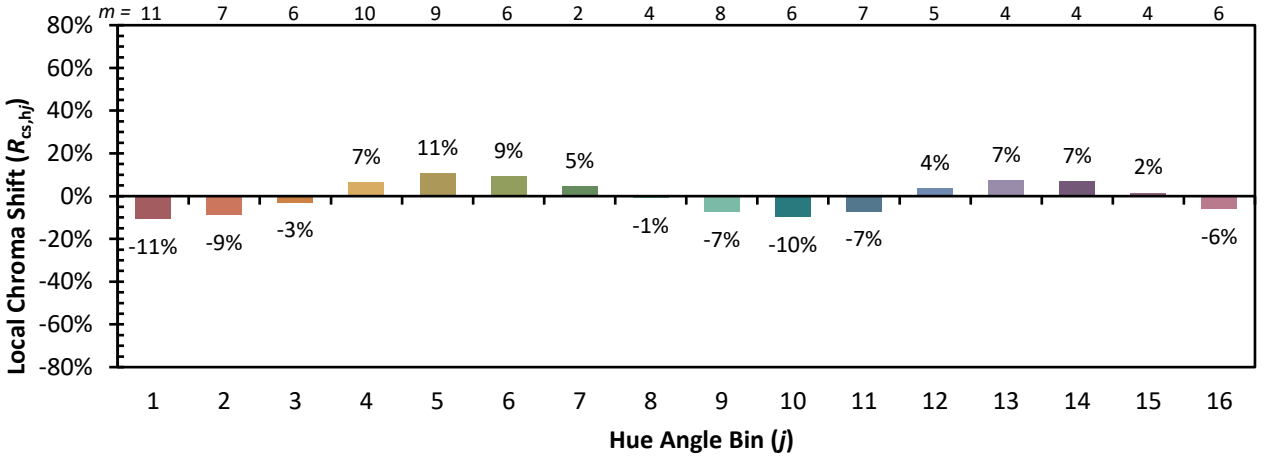
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

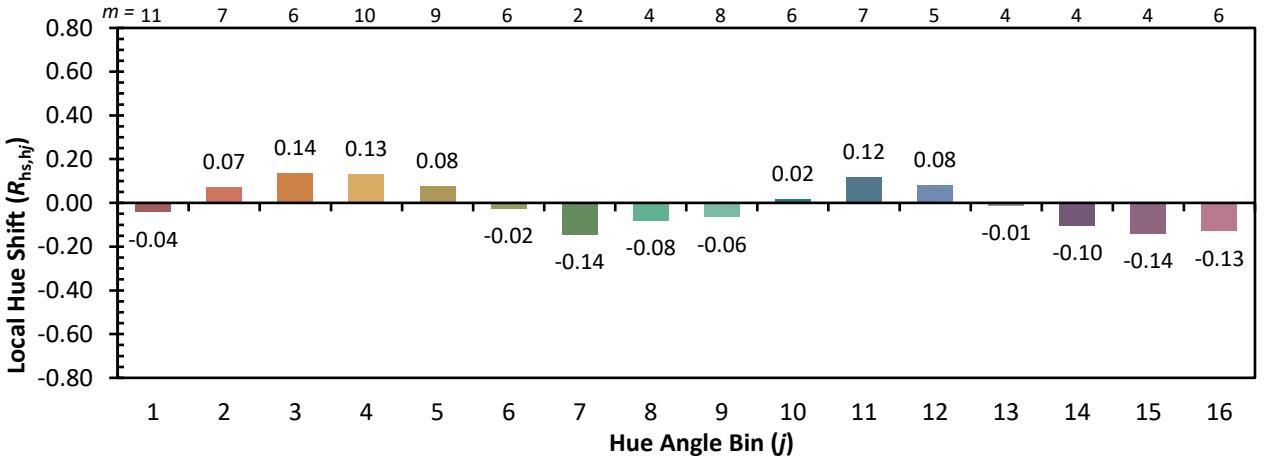


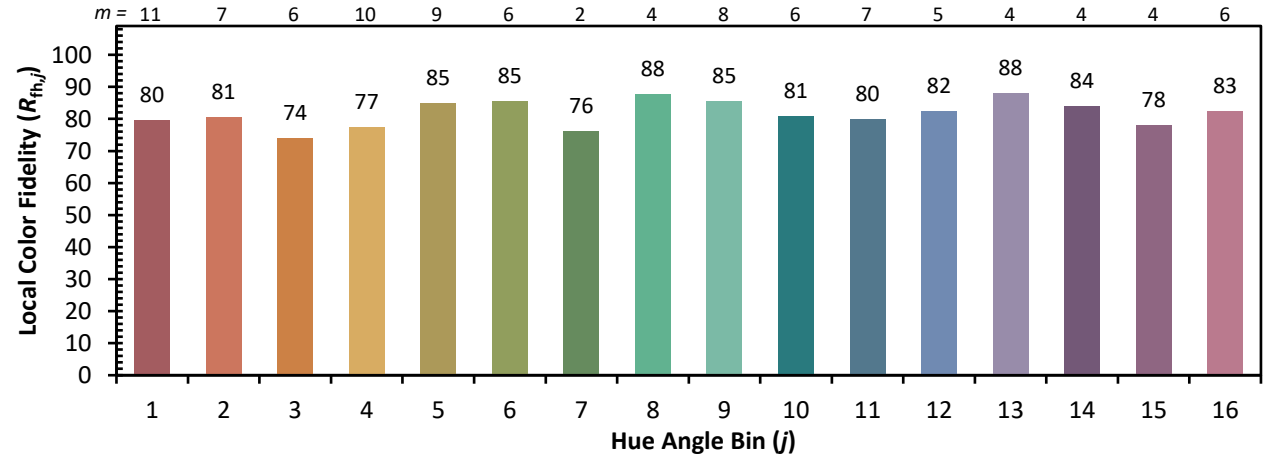
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Color Rendition by Hue-Angle Bin



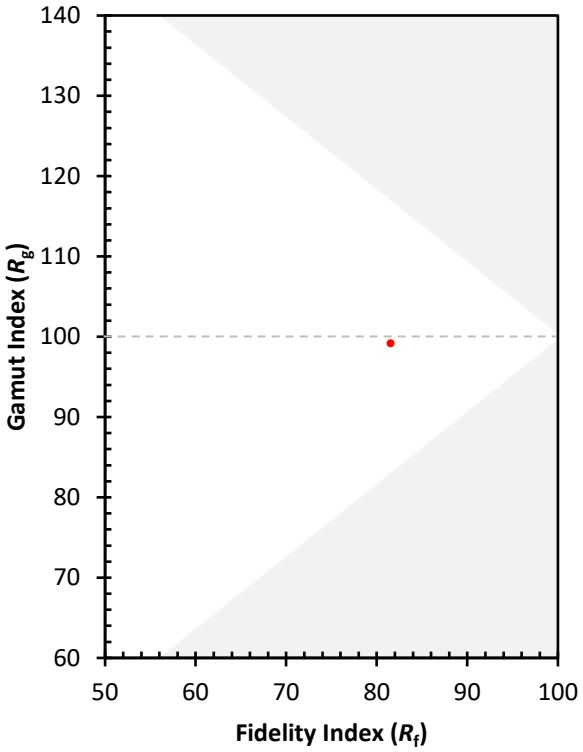


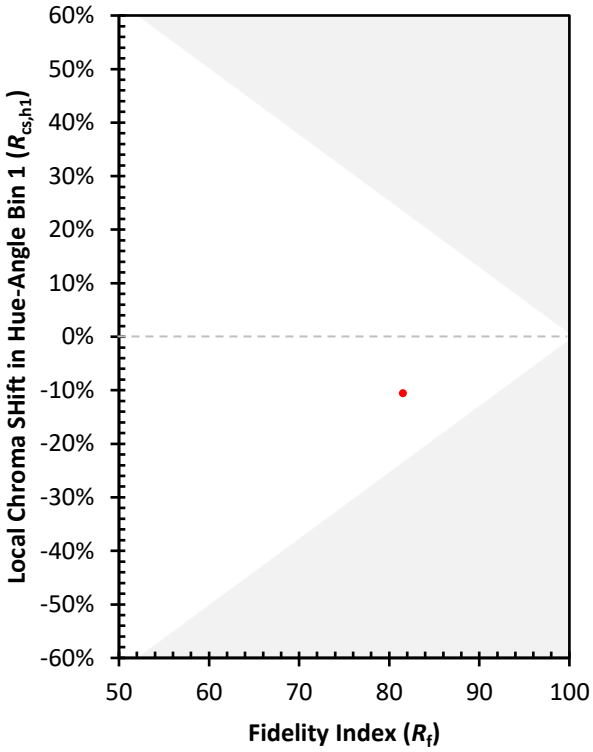


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Measure Comparisons





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