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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P437934

Luminaire Tested: **ISC-SA1F-830-U-SL3-HSS**

Issue Date: 12/9/2020

Report Generated By 670245982

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P437934
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-17)
Test Lab:	INNOVATION CENTER
Issue Date:	12/9/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISC-SA1F-830-U-SL3-HSS
Description:	IMPACT ELITE LED CYLINDER LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5201 lumens
Efficiency:	N/A
Efficacy:	78.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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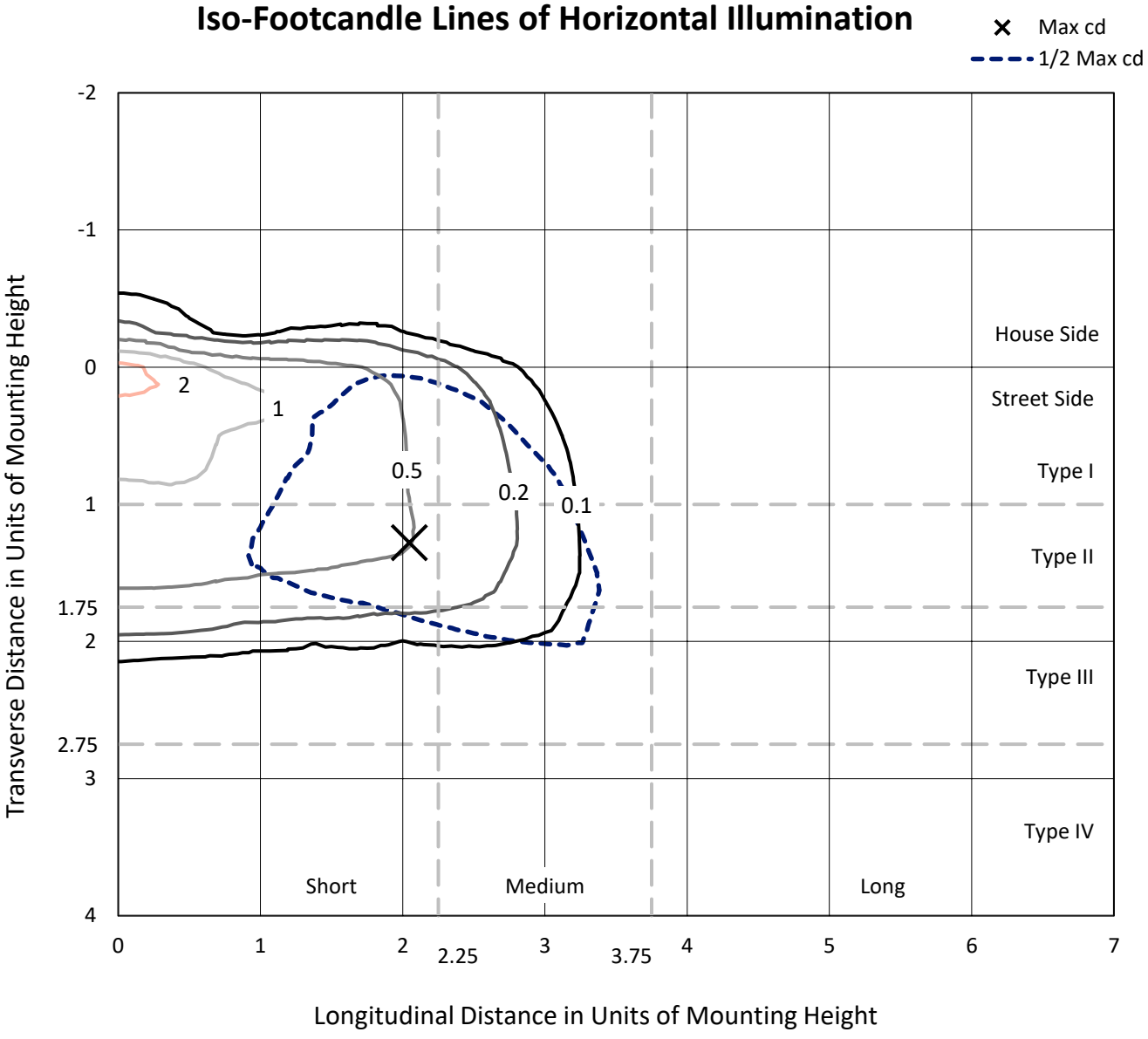
Scaled Data Report

REPORT NUMBER: P437934
CATALOG NUMBER: ISC-SA1F-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - N/A

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REPORT NUMBER: P437934
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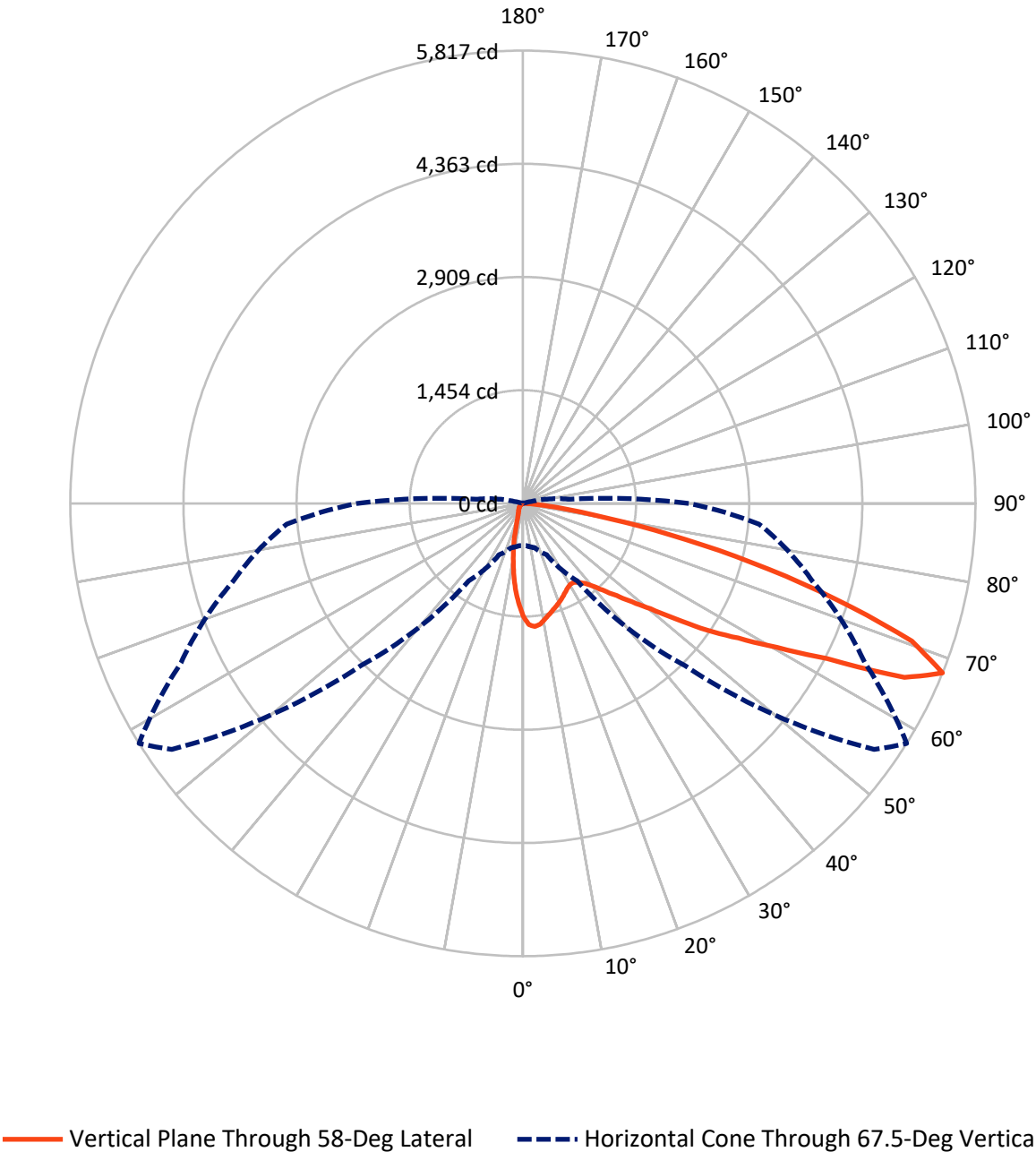
Luminous Intensity Polar Plot



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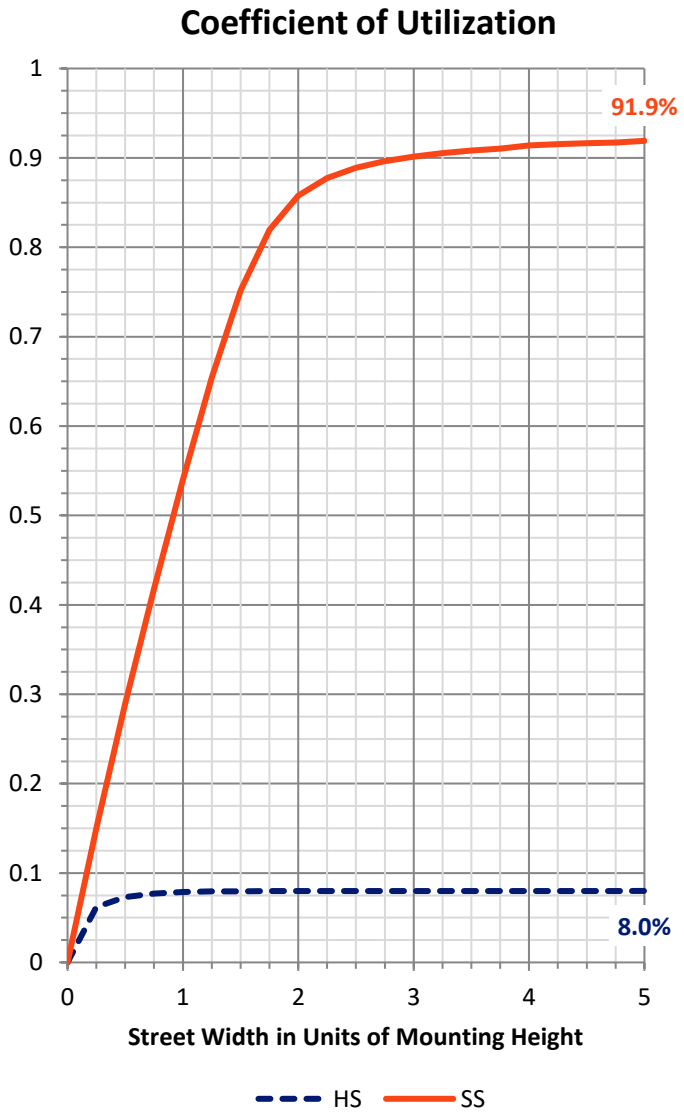
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	419.3	0.0	419.3
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4781.7	0.0	4781.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	5201.0	0.0	5201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	2.3
10°-20°	247.1	4.8
20°-30°	334.3	6.4
30°-40°	459.8	8.8
40°-50°	719.8	13.8
50°-60°	1212.7	23.3
60°-70°	1439.1	27.7
70°-80°	625.0	12.0
80°-90°	45.9	0.9
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°	5201.0	100.0
0°-180°	5201.0	100.0



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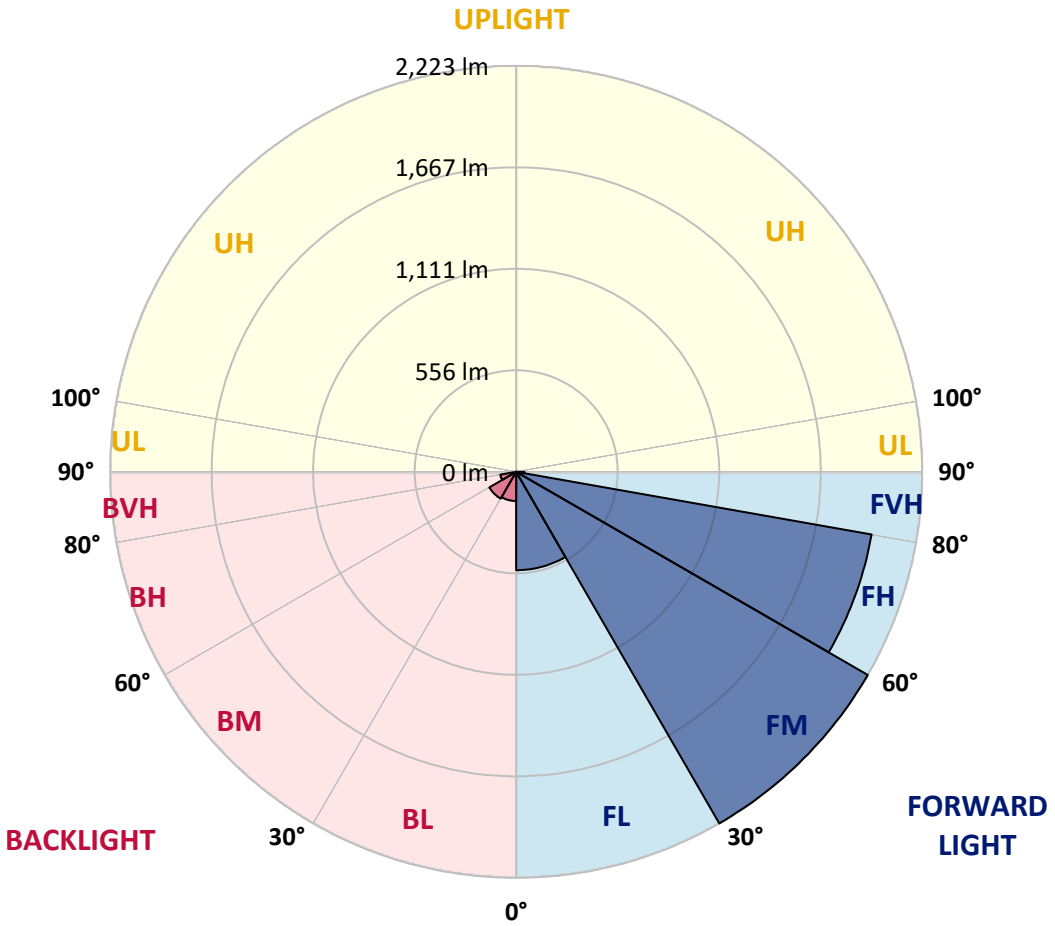
REPORT NUMBER: P437934
CATALOG NUMBER: ISC-SA1F-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	538.6	10.4			
FM	(30°-60°)	2222.7	42.7			
FH	(60°-80°)	1975.9	38.0			G2/5000
FVH	(80°-90°)	44.5	0.9			G1/100
BL	(0°-30°)	160.1	3.1	B1/500		
BM	(30°-60°)	169.6	3.3	B0/220		
BH	(60°-80°)	88.2	1.7	B0/110		G0/110
BVH	(80°-90°)	1.4	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 III Short



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REPORT NUMBER: P437934
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1464.3	1464.3	1464.3	1464.3	1464.3	1464.3	1464.3	*1464.3*	1464.3	1464.3	1464.3
2.5°	1634.5	1625.5	1621.1	1618.8	1603.2	1589.7	1562.9	*1560.6*	1542.7	1509.1	1475.5
5°	1598.7	1605.4	1607.6	1614.4	1612.1	1612.1	1594.2	*1589.7*	1565.1	1518.1	1453.1
7.5°	1520.3	1518.1	1522.6	1540.5	1549.4	1567.3	1565.1	*1569.6*	1558.4	1506.9	1415.1
10°	1406.1	1410.6	1424.0	1439.7	1464.3	1495.7	1515.8	*1520.3*	1529.3	1486.7	1379.3
12.5°	1300.9	1307.6	1316.6	1347.9	1374.8	1424.0	1462.1	*1471.1*	1489.0	1466.6	1347.9
15°	1213.6	1215.8	1222.5	1251.6	1296.4	1359.1	1415.1	*1428.5*	1457.6	1448.7	1323.3
17.5°	1144.2	1146.4	1155.3	1180.0	1215.8	1289.7	1365.8	*1388.2*	1430.8	1437.5	1296.4
20°	1106.1	1106.1	1106.1	1121.8	1157.6	1227.0	1316.6	*1347.9*	1408.4	1419.6	1274.0
22.5°	1094.9	1094.9	1090.4	1094.9	1117.3	1175.5	1267.3	*1305.4*	1381.5	1412.8	1247.1
25°	1110.6	1103.9	1103.9	1092.7	1094.9	1133.0	1222.5	*1265.1*	1365.8	1408.4	1233.7
27.5°	1139.7	1137.4	1128.5	1119.5	1106.1	1115.0	1184.5	*1227.0*	1350.1	1415.1	1222.5
30°	1173.3	1173.3	1168.8	1164.3	1141.9	1124.0	1166.5	*1204.6*	1343.4	1426.3	1215.8
32.5°	1211.3	1209.1	1220.3	1224.8	1197.9	1164.3	1171.0	*1206.8*	1347.9	1459.9	1220.3
35°	1256.1	1256.1	1276.3	1303.1	1280.7	1229.2	1213.6	*1244.9*	1370.3	1495.7	1238.2
37.5°	1305.4	1307.6	1343.4	1381.5	1365.8	1321.0	1294.2	*1305.4*	1417.3	1562.9	1278.5
40°	1363.6	1363.6	1417.3	1480.0	1480.0	1428.5	1392.7	*1401.6*	1484.5	1659.1	1350.1
42.5°	1426.3	1433.0	1509.1	1585.2	1607.6	1560.6	1522.6	*1533.7*	1592.0	1784.5	1455.4
45°	1515.8	1536.0	1634.5	1708.4	1753.2	1730.8	1681.5	*1690.5*	1733.0	1965.9	1614.4
47.5°	1674.8	1692.7	1777.8	1851.7	1907.7	1918.9	1896.5	*1892.0*	1909.9	2178.6	1815.9
50°	1865.1	1880.8	1939.0	2001.7	2080.1	2147.2	2133.8	*2127.1*	2133.8	2411.5	2062.2
52.5°	2053.2	2046.5	2115.9	2149.5	2259.2	2407.0	2465.2	*2465.2*	2429.4	2655.5	2304.0
55°	2221.1	2250.2	2324.1	2384.6	2476.4	2653.3	2850.3	*2874.9*	2751.8	2897.3	2505.5
57.5°	2201.0	2230.1	2366.7	2557.0	2827.9	3067.5	3260.1	*3264.5*	3085.4	3083.2	2754.0
60°	1965.9	1968.1	2151.7	2440.6	2982.4	3665.3	3777.3	*3754.9*	3376.5	3342.9	3096.6
62.5°	1383.7	1374.8	1612.1	1979.3	2751.8	3992.2	4560.9	*4390.8*	3860.1	3750.4	3416.8
65°	806.1	801.6	893.4	1182.2	2084.6	3761.6	5362.5	*5389.4*	4496.0	3958.6	3349.6
67.5°	*541.8*	*546.3*	*588.9*	*729.9*	*1215.8*	*2951.1*	*5510.3*	*5817.0*	*4849.8*	*3851.2*	*3047.3*
70°	398.6	398.6	432.1	537.4	721.0	1849.5	4814.0	*5304.3*	4919.2	3582.5	2550.3
72.5°	284.4	284.4	331.4	434.4	588.9	953.8	3578.0	*4204.9*	4153.4	2973.5	1764.4
75°	181.4	185.8	237.3	356.0	537.4	611.3	2427.1	*3047.3*	2897.3	1663.6	752.3
77.5°	69.4	78.4	127.6	262.0	470.2	508.3	1383.7	*1921.1*	1529.3	582.2	201.5
80°	24.6	24.6	42.5	134.3	331.4	418.7	723.2	*953.8*	497.1	141.1	76.1
82.5°	4.5	4.5	15.7	56.0	163.5	291.1	420.9	*470.2*	194.8	47.0	44.8
85°	0.0	0.0	2.2	11.2	38.1	29.1	167.9	*159.0*	60.5	20.2	29.1
87.5°	0.0	0.0	0.0	0.0	2.2	2.2	4.5	*4.5*	4.5	4.5	4.5
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: P437934
CATALOG NUMBER: ISC-SA1F-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1464.3	1464.3	1464.3	1464.3	1464.3	1464.3	1464.3	1464.3	1464.3	1464.3	1464.3
2.5°	1448.7	1430.8	1379.3	1343.4	1294.2	1244.9	1213.6	1188.9	1177.7	1162.1	1168.8
5°	1412.8	1372.5	1278.5	1193.4	1112.8	1027.7	965.0	909.1	891.1	859.8	855.3
7.5°	1359.1	1303.1	1164.3	1030.0	900.1	792.6	696.3	622.5	555.3	526.2	544.1
10°	1307.6	1231.5	1050.1	871.0	698.6	548.6	434.4	344.8	293.3	270.9	275.4
12.5°	1258.3	1162.1	931.4	718.7	508.3	338.1	246.3	199.3	183.6	181.4	176.9
15°	1215.8	1097.1	826.2	557.5	338.1	212.7	174.6	163.5	161.2	161.2	161.2
17.5°	1168.8	1030.0	712.0	409.7	221.7	165.7	154.5	152.3	150.0	150.0	150.0
20°	1133.0	971.7	606.8	286.6	170.2	147.8	143.3	143.3	141.1	141.1	141.1
22.5°	1094.9	911.3	503.8	210.5	145.5	136.6	132.1	129.9	129.9	127.6	127.6
25°	1059.1	855.3	405.3	161.2	129.9	123.1	118.7	116.4	116.4	114.2	112.0
27.5°	1036.7	810.5	317.9	136.6	116.4	112.0	107.5	103.0	98.5	96.3	96.3
30°	1021.0	756.8	241.8	118.7	107.5	100.8	94.0	87.3	80.6	78.4	78.4
32.5°	998.6	714.3	185.8	107.5	96.3	89.6	80.6	73.9	67.2	62.7	62.7
35°	998.6	678.4	143.3	96.3	87.3	78.4	71.6	60.5	53.7	51.5	49.3
37.5°	1014.3	638.1	118.7	89.6	80.6	71.6	62.7	51.5	44.8	42.5	42.5
40°	1050.1	624.7	100.8	80.6	71.6	62.7	53.7	42.5	38.1	33.6	33.6
42.5°	1124.0	629.2	89.6	76.1	64.9	56.0	44.8	35.8	31.3	29.1	29.1
45°	1231.5	642.6	82.8	69.4	58.2	47.0	38.1	31.3	24.6	22.4	22.4
47.5°	1381.5	685.1	73.9	62.7	51.5	40.3	31.3	24.6	20.2	17.9	17.9
50°	1560.6	759.0	69.4	56.0	47.0	33.6	24.6	17.9	13.4	13.4	13.4
52.5°	1771.1	832.9	62.7	51.5	40.3	29.1	20.2	13.4	11.2	9.0	9.0
55°	1948.0	897.9	56.0	47.0	33.6	22.4	15.7	11.2	9.0	6.7	6.7
57.5°	2178.6	991.9	47.0	40.3	26.9	17.9	11.2	9.0	4.5	4.5	4.5
60°	2487.6	1103.9	40.3	33.6	20.2	13.4	9.0	4.5	4.5	2.2	2.2
62.5°	2619.7	1014.3	35.8	26.9	15.7	9.0	6.7	4.5	2.2	2.2	2.2
65°	2474.1	828.4	29.1	20.2	11.2	6.7	4.5	2.2	2.2	0.0	0.0
67.5°	*2133.8*	*611.3*	*24.6*	*13.4*	*9.0*	*4.5*	*2.2*	*0.0*	*0.0*	*0.0*	*0.0*
70°	1739.7	452.3	17.9	9.0	4.5	4.5	2.2	0.0	0.0	0.0	0.0
72.5°	1204.6	273.2	13.4	6.7	4.5	2.2	2.2	0.0	0.0	0.0	0.0
75°	468.0	107.5	11.2	6.7	4.5	2.2	0.0	0.0	0.0	0.0	0.0
77.5°	132.1	38.1	9.0	4.5	4.5	2.2	2.2	2.2	0.0	0.0	0.0
80°	53.7	20.2	6.7	4.5	4.5	4.5	2.2	2.2	0.0	0.0	0.0
82.5°	33.6	11.2	4.5	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
85°	22.4	6.7	4.5	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
87.5°	4.5	4.5	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2
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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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

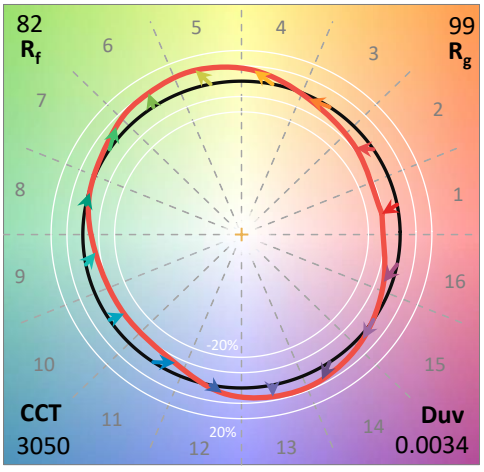
Test Information

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

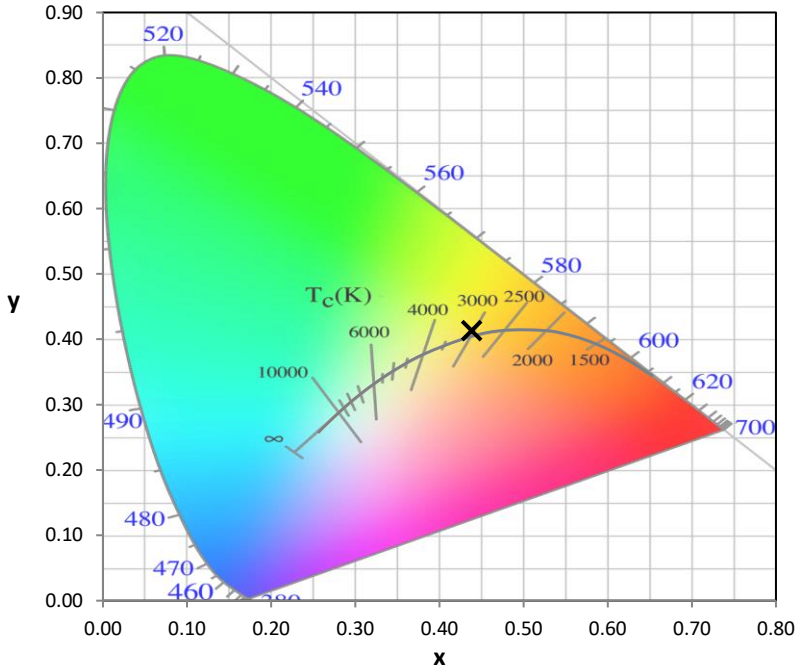
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

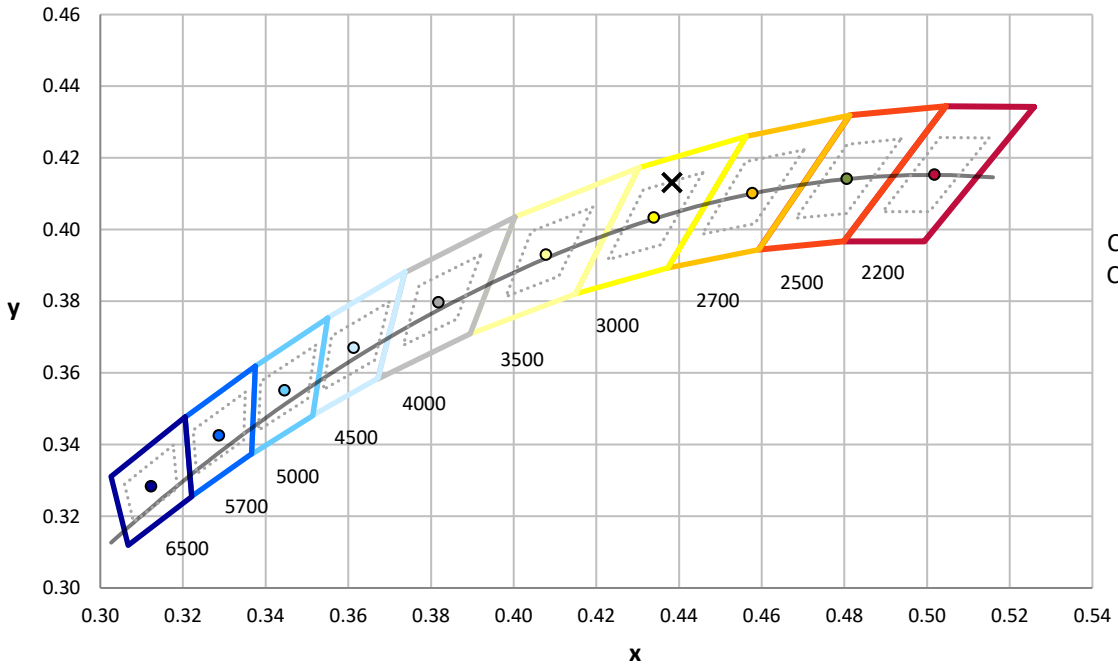
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

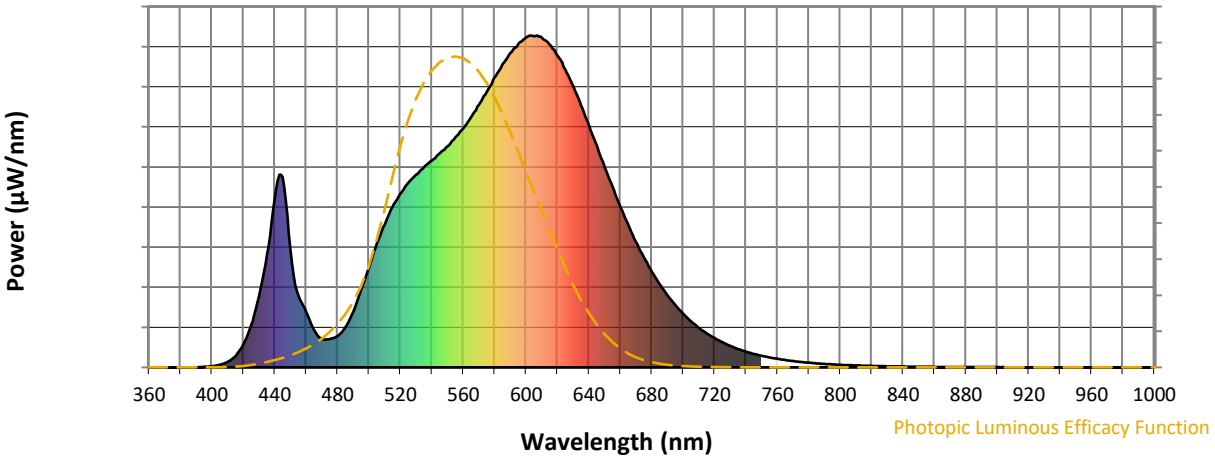


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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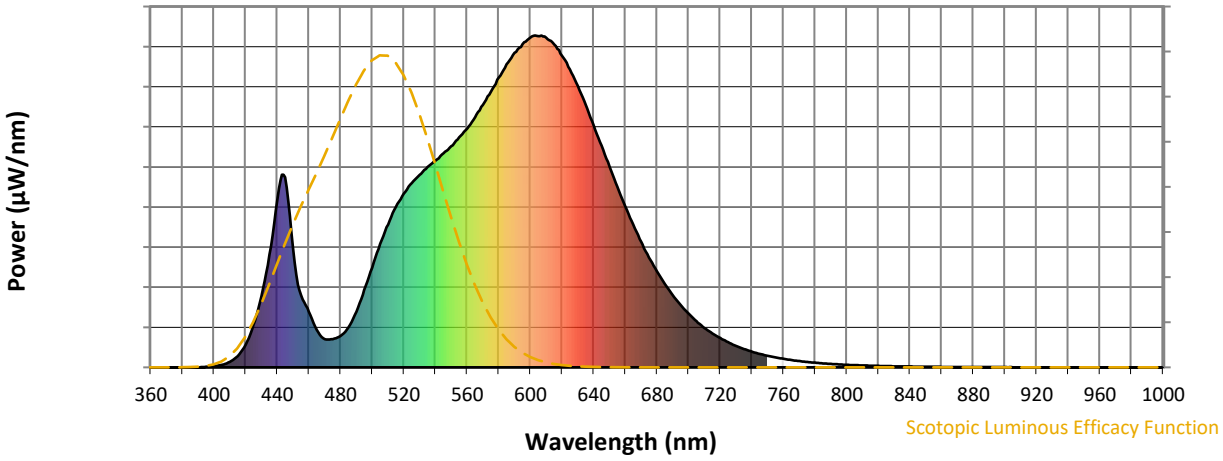
Scotopic Flux vs. Wavelength



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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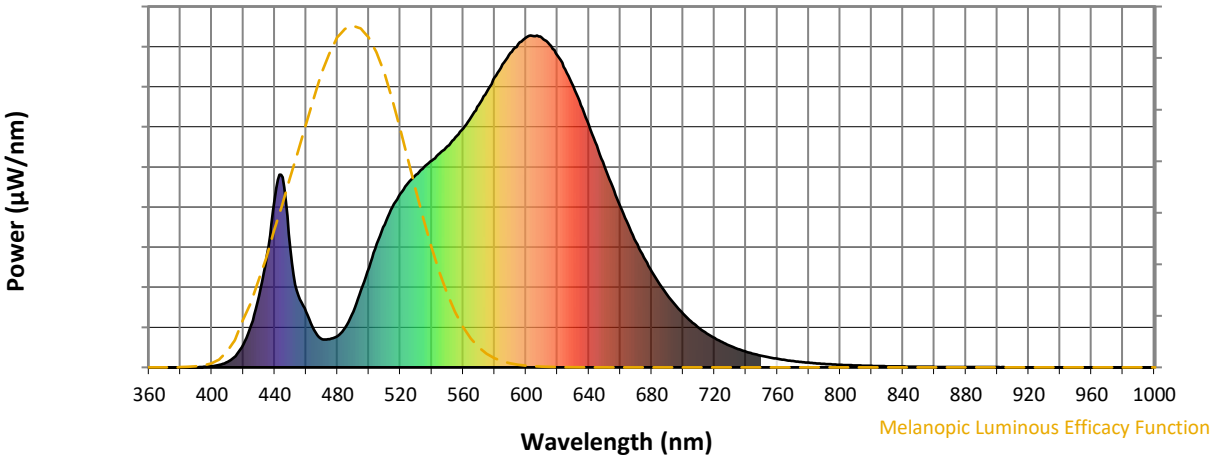
Melanopic Flux vs. Wavelength



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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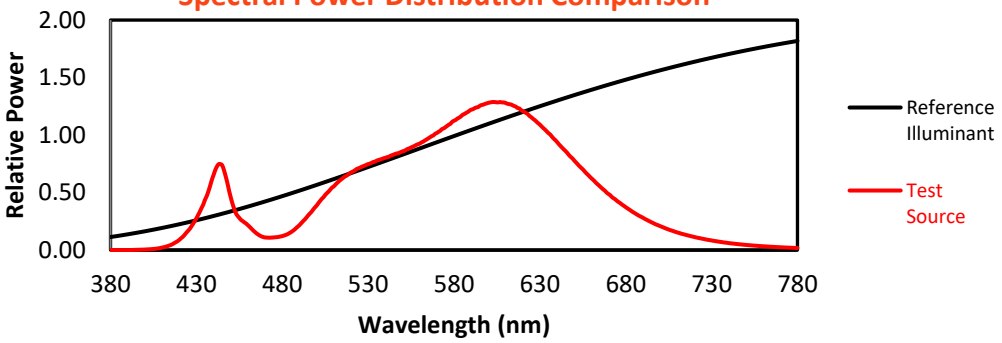
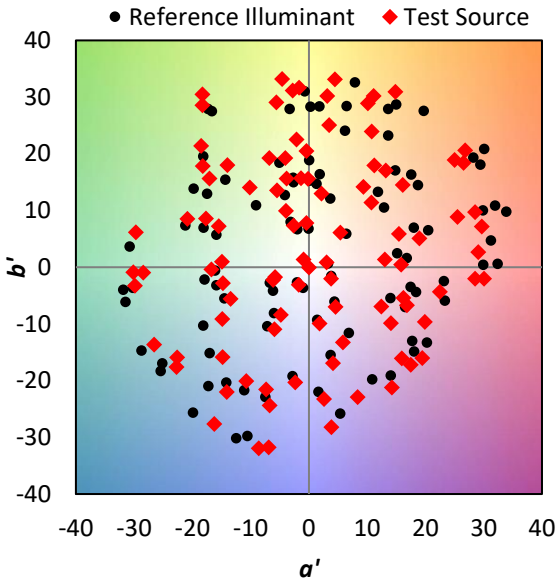
Summary

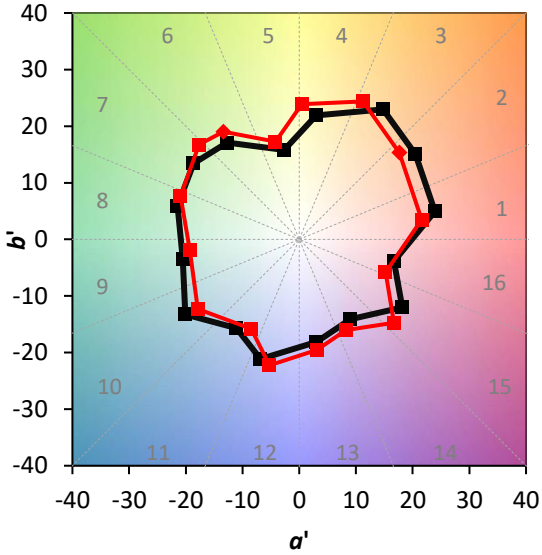
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

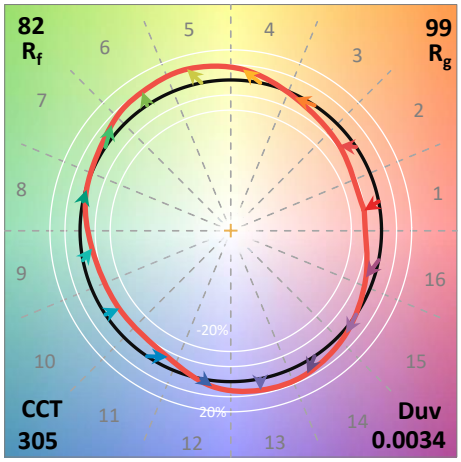
Spectral Power Distribution Comparison

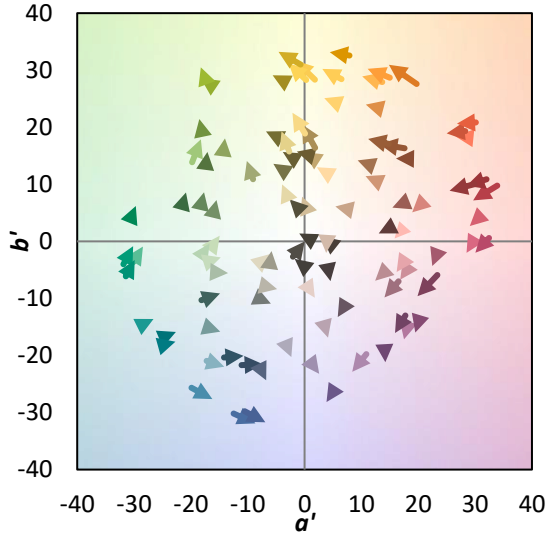


Color Vector Graphics









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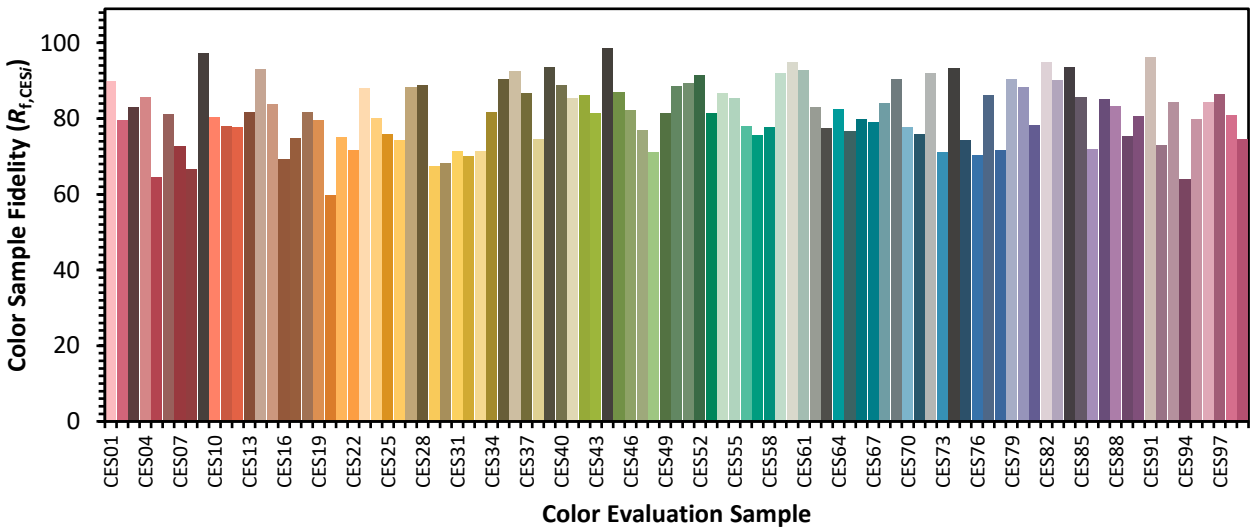
Individual Sample Fidelity Index ($R_{f,i}$)

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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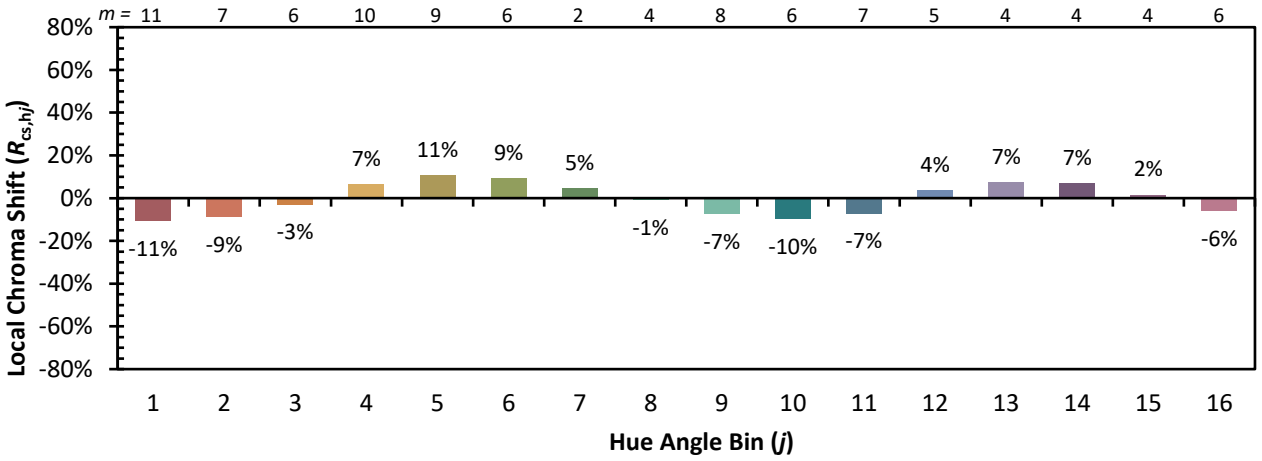
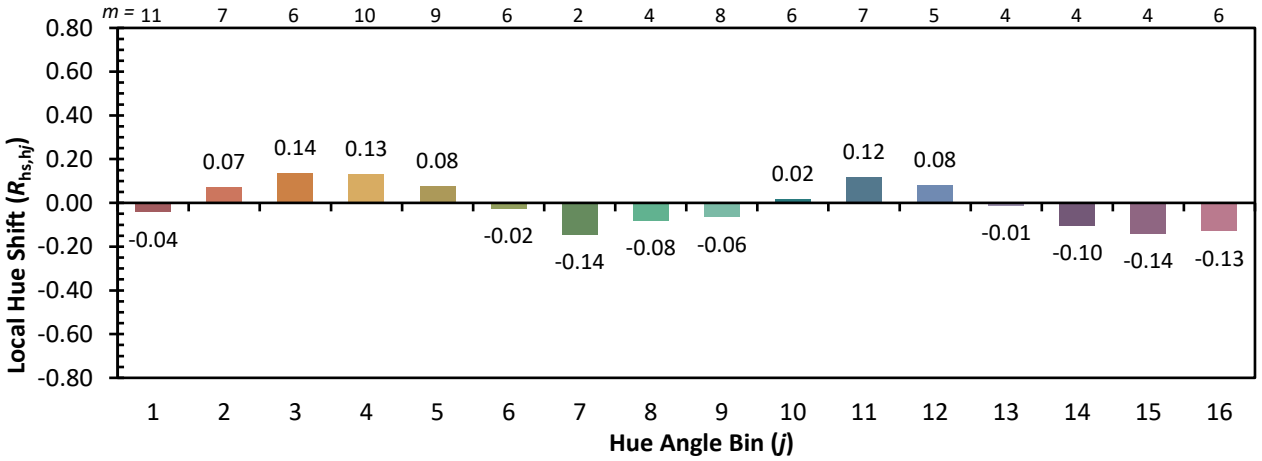
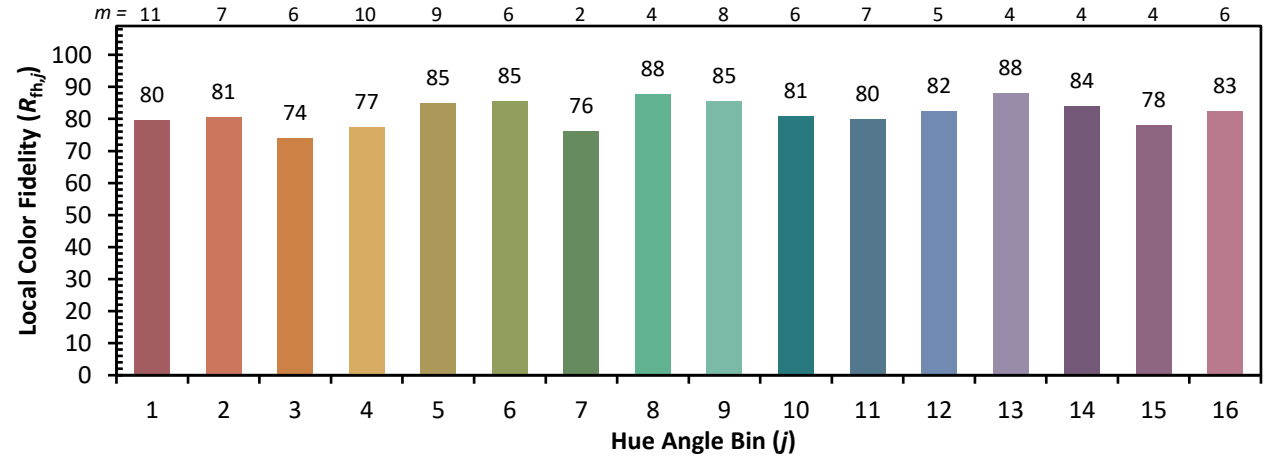
Color Rendition by Hue-Angle Bin







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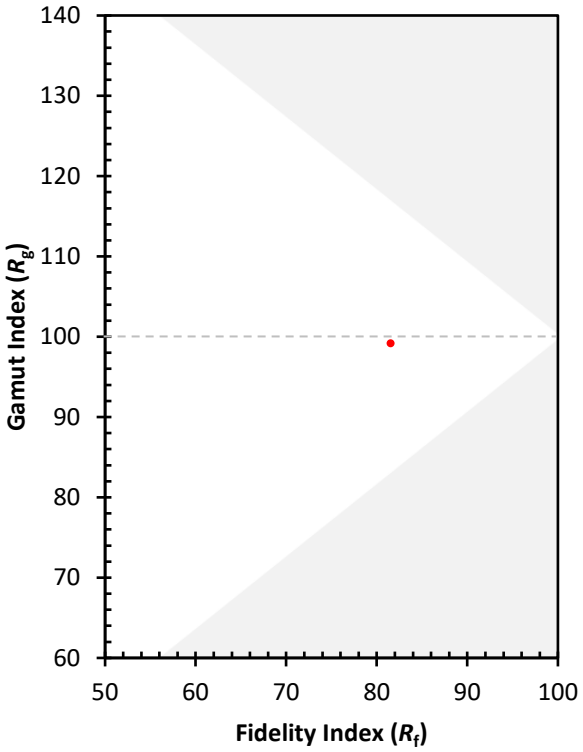
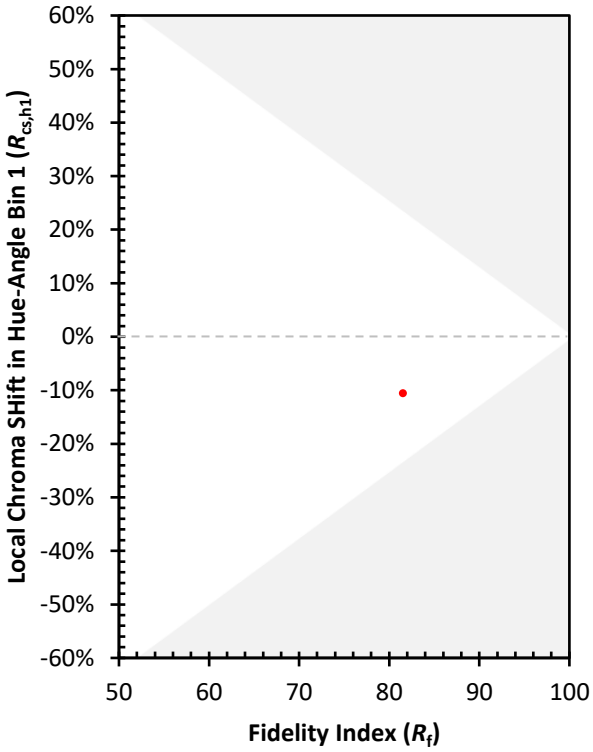
Measure Comparisons





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