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: P437933

Luminaire Tested: **ISS-SA1F-830-U-SL2**

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:	P437933
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-14)
Test Lab:	INNOVATION CENTER
Issue Date:	12/9/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISS-SA1F-830-U-SL2
Description:	IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6186 lumens
Efficiency:	N/A
Efficacy:	93.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
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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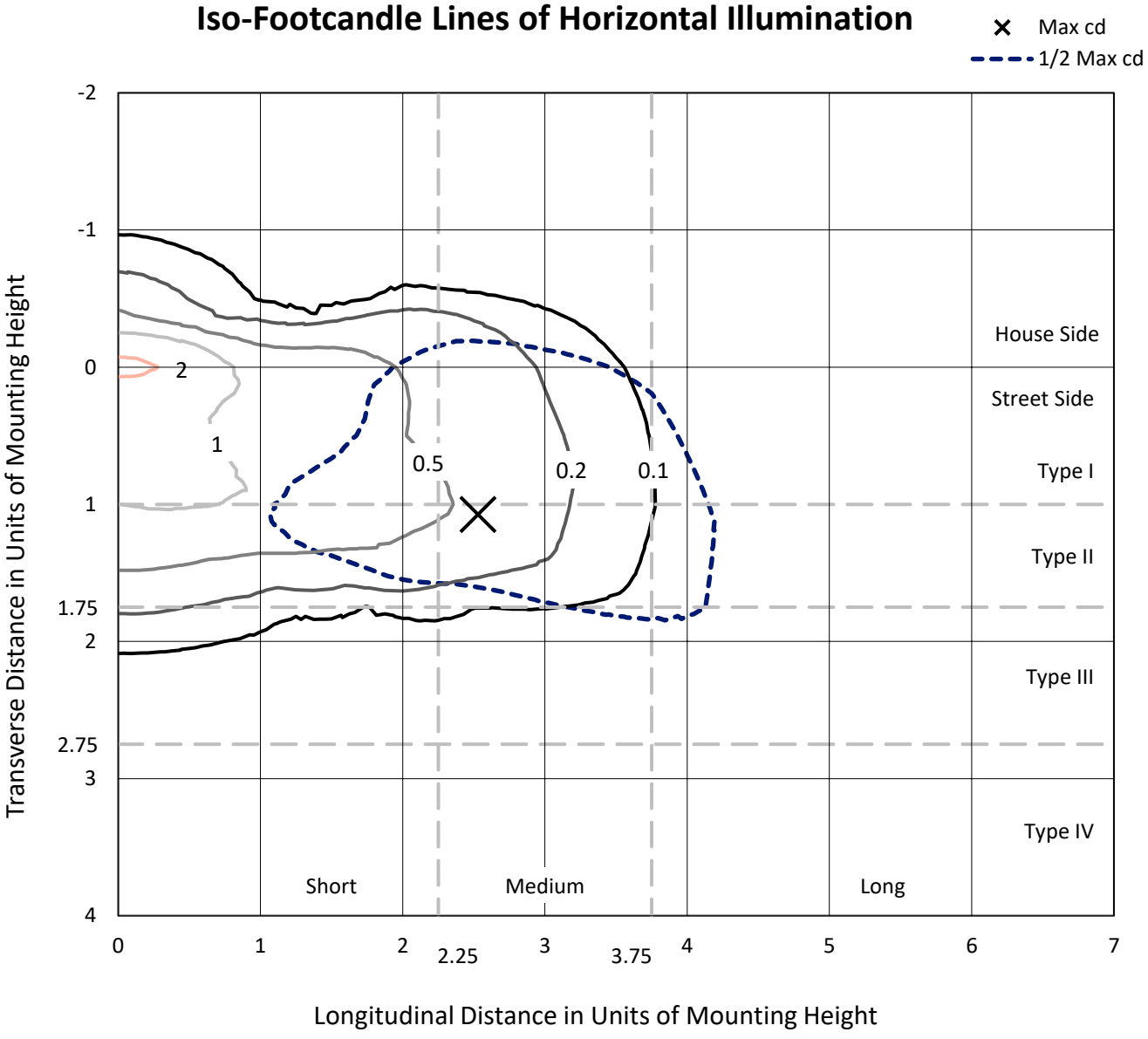
Scaled Data Report

REPORT NUMBER: P437933
CATALOG NUMBER: ISS-SA1F-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Medium - N/A

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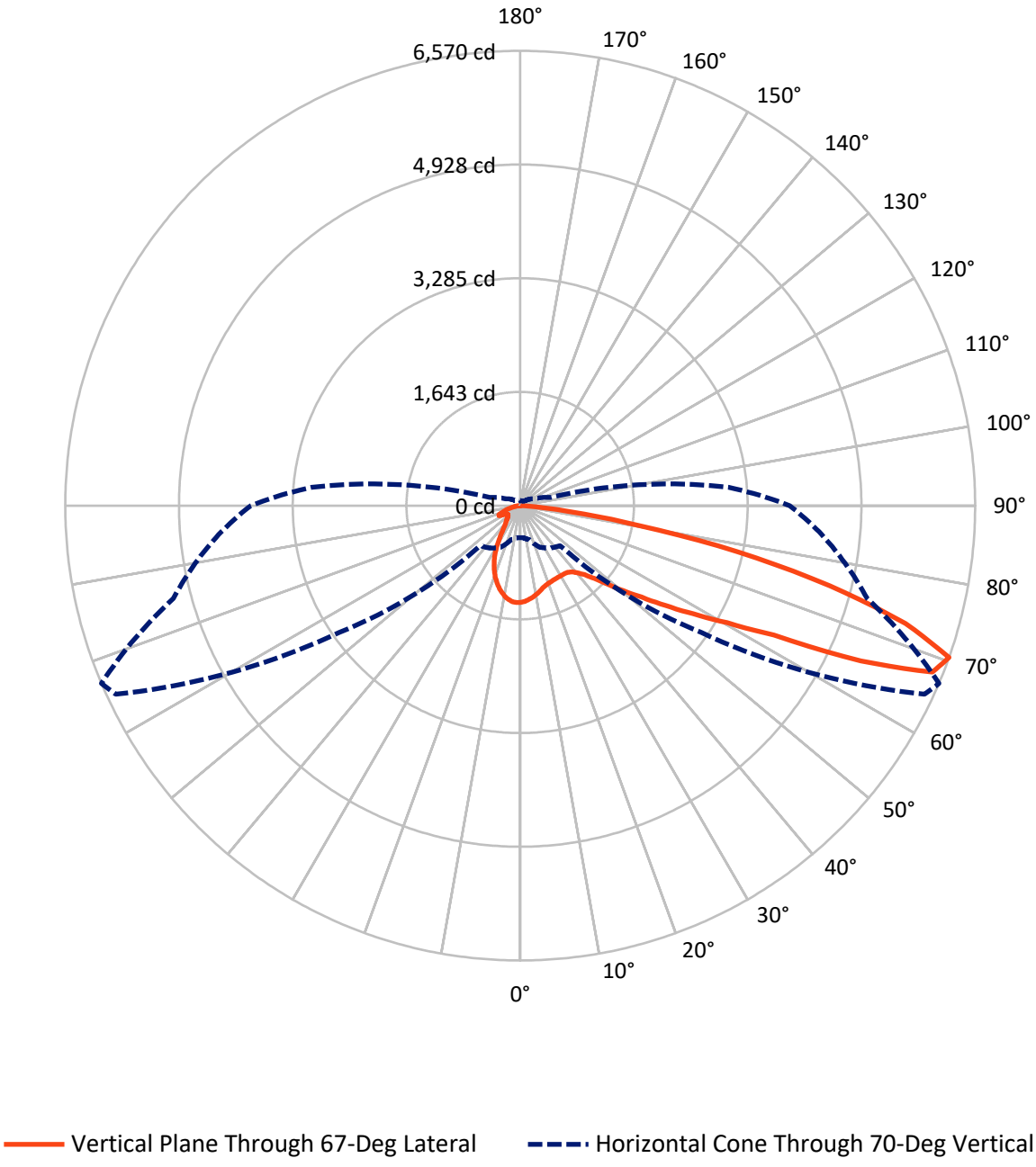
Luminous Intensity Polar Plot



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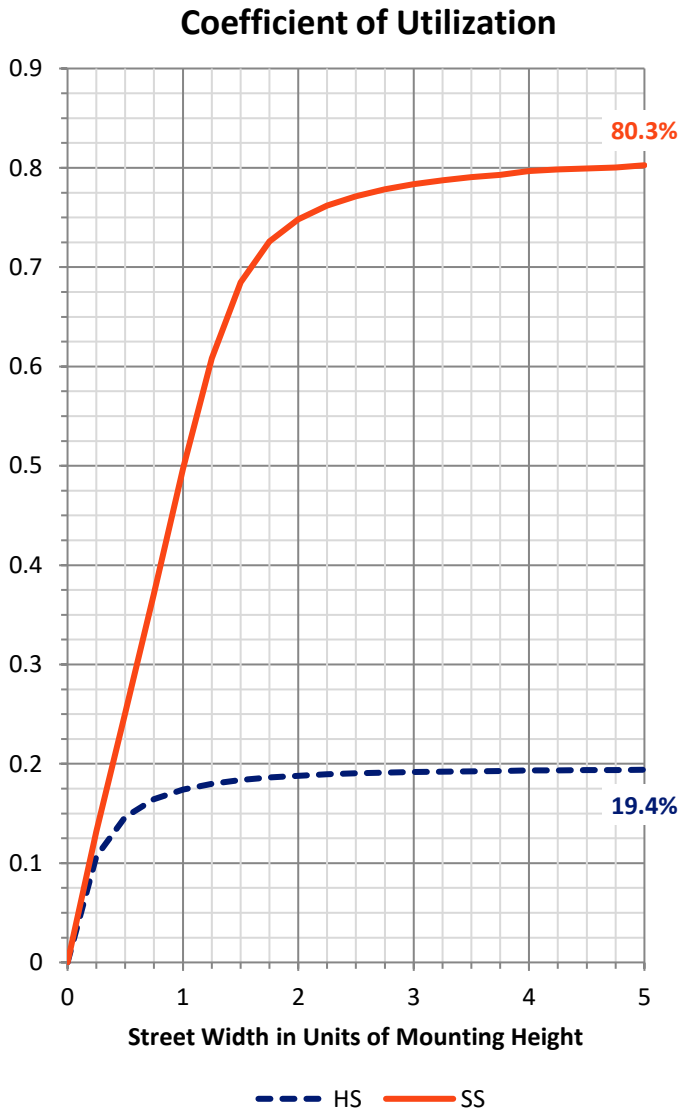
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.5	0.0	1211.5
	% Fixture	19.6	0.0	19.6
Street Side	Lumens	4974.5	0.0	4974.5
	% Fixture	80.4	0.0	80.4
Total	Lumens	6186.0	0.0	6186.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	2.0
10°-20°	296.9	4.8
20°-30°	409.2	6.6
30°-40°	552.6	8.9
40°-50°	820.1	13.3
50°-60°	1262.2	20.4
60°-70°	1560.6	25.2
70°-80°	1045.4	16.9
80°-90°	116.5	1.9
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°	6186.0	100.0
0°-180°	6186.0	100.0



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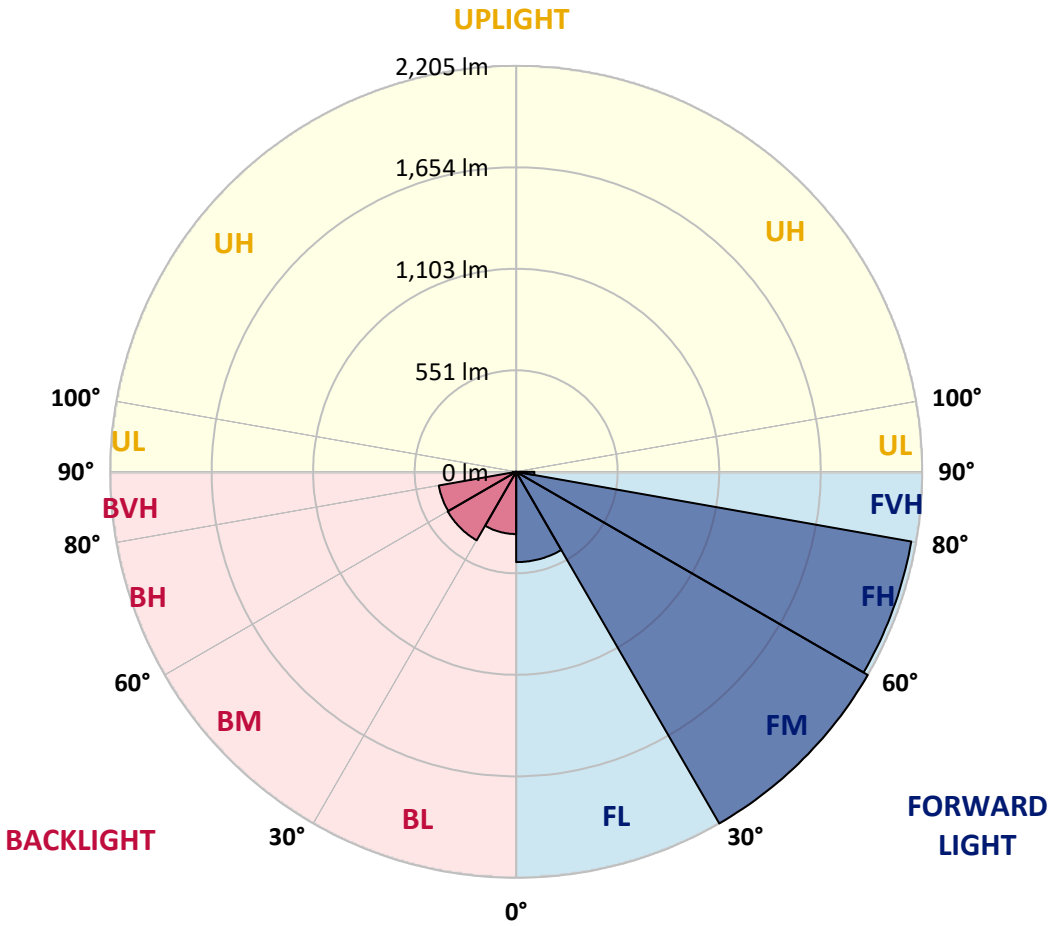
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	490.6	7.9			
FM	(30°-60°)	2205.4	35.7			
FH	(60°-80°)	2179.2	35.2			G2/5000
FVH	(80°-90°)	99.2	1.6			G1/100
BL	(0°-30°)	338.0	5.5	B1/500		
BM	(30°-60°)	429.5	6.9	B1/1000		
BH	(60°-80°)	426.7	6.9	B1/500		G1/500
BVH	(80°-90°)	17.3	0.3			G1/100
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 Medium



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REPORT NUMBER: P437933
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8	*1396.8*	1396.8	1396.8
2.5°	1320.7	1329.7	1331.9	1338.6	1347.6	1356.6	1367.7	1381.2	*1383.4*	1390.1	1403.6
5°	1231.2	1235.7	1240.2	1253.6	1269.3	1298.4	1327.5	1354.3	*1358.8*	1381.2	1405.8
7.5°	1148.4	1159.6	1161.8	1173.0	1197.6	1233.4	1273.7	1320.7	*1334.2*	1365.5	1403.6
10°	1087.9	1094.6	1099.1	1119.3	1139.4	1179.7	1229.0	1287.2	*1300.6*	1347.6	1401.3
12.5°	1038.7	1049.9	1056.6	1070.0	1101.4	1137.2	1186.4	1249.1	*1267.0*	1325.2	1392.4
15°	1011.8	1020.8	1023.0	1038.7	1063.3	1099.1	1146.1	1217.8	*1231.2*	1302.8	1392.4
17.5°	1005.1	1007.3	1009.6	1018.5	1038.7	1067.8	1117.0	1190.9	*1206.6*	1293.9	1392.4
20°	1018.5	1018.5	1018.5	1014.1	1029.7	1052.1	1101.4	1168.5	*1190.9*	1284.9	1399.1
22.5°	1049.9	1052.1	1045.4	1034.2	1027.5	1043.2	1085.7	1161.8	*1181.9*	1282.7	1412.5
25°	1094.6	1096.9	1092.4	1076.7	1045.4	1043.2	1079.0	1155.1	*1173.0*	1280.4	1410.3
27.5°	1155.1	1168.5	1155.1	1137.2	1096.9	1061.1	1085.7	1150.6	*1170.8*	1280.4	1414.8
30°	1240.2	1249.1	1242.4	1213.3	1161.8	1099.1	1094.6	1155.1	*1170.8*	1278.2	1412.5
32.5°	1325.2	1327.5	1334.2	1314.0	1251.3	1155.1	1119.3	1159.6	*1173.0*	1276.0	1405.8
35°	1390.1	1403.6	1432.7	1434.9	1361.0	1235.7	1170.8	1177.5	*1181.9*	1282.7	1399.1
37.5°	1473.0	1477.4	1524.4	1560.3	1495.3	1347.6	1242.4	1211.0	*1213.3*	1305.1	1410.3
40°	1549.1	1567.0	1631.9	1676.7	1654.3	1497.6	1340.9	1271.5	*1276.0*	1345.4	1437.1
42.5°	1663.2	1676.7	1743.8	1806.5	1813.2	1667.7	1477.4	1374.5	*1363.3*	1423.7	1495.3
45°	1764.0	1779.6	1864.7	1956.5	1987.8	1860.2	1647.6	1515.5	*1497.6*	1555.8	1602.8
47.5°	1905.0	1931.9	1999.0	2104.2	2209.4	2095.3	1864.7	1708.0	*1692.3*	1732.6	1746.1
50°	2039.3	2055.0	2110.9	2238.5	2424.3	2390.8	2131.1	1958.7	*1934.1*	1940.8	1972.2
52.5°	2059.5	2066.2	2124.4	2258.7	2607.9	2751.2	2457.9	2240.8	*2196.0*	2202.7	2240.8
55°	1907.2	1934.1	1976.6	2164.7	2621.3	3151.9	2916.8	2612.4	*2543.0*	2518.4	2549.7
57.5°	1591.6	1622.9	1683.4	1878.1	2466.9	3369.0	3669.0	3055.6	*2948.2*	2834.0	2872.0
60°	1173.0	1206.6	1244.6	1434.9	2075.1	3402.6	4416.6	3592.9	*3433.9*	3149.6	3169.8
62.5°	899.9	899.9	933.5	1011.8	1387.9	3158.6	4855.4	4501.7	*4112.2*	3534.7	3510.0
65°	727.5	736.5	770.1	843.9	877.5	2243.0	5030.0	5822.4	*5408.3*	3995.8	3868.2
67.5°	602.2	604.4	642.5	758.9	767.8	1233.4	4562.1	6516.4	*6417.9*	4573.3	4248.7
70°	*461.1*	*463.4*	*508.1*	*660.4*	*747.7*	*817.1*	*3192.2*	*6444.8*	*6570.1*	*5186.7*	*4331.6*
72.5°	306.7	320.1	373.8	523.8	745.4	770.1	1732.6	5636.6	*5818.0*	5426.2	4054.0
75°	190.3	192.5	248.5	362.6	685.0	767.8	1018.5	4392.0	*4615.9*	4501.7	3516.7
77.5°	116.4	120.9	147.7	237.3	530.5	770.1	725.3	3022.0	*3207.8*	2954.9	2072.9
80°	71.6	71.6	85.1	143.3	344.7	689.5	624.6	1757.3	*1739.3*	1092.4	588.7
82.5°	26.9	29.1	44.8	78.3	174.6	535.0	548.4	794.7	*732.0*	322.3	210.4
85°	4.5	4.5	9.0	24.6	47.0	221.6	304.4	279.8	*235.0*	98.5	87.3
87.5°	0.0	0.0	0.0	2.2	2.2	4.5	6.7	6.7	*6.7*	6.7	9.0
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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Scaled Data Report

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CATALOG NUMBER: ISS-SA1F-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8	1396.8
2.5°	1403.6	1408.0	1405.8	1399.1	1392.4	1387.9	1376.7	1370.0	1372.2	1372.2	1374.5
5°	1408.0	1414.8	1403.6	1390.1	1365.5	1338.6	1314.0	1300.6	1282.7	1289.4	1284.9
7.5°	1414.8	1419.2	1399.1	1358.8	1316.3	1271.5	1229.0	1190.9	1161.8	1148.4	1157.3
10°	1410.3	1417.0	1378.9	1318.5	1253.6	1181.9	1117.0	1054.4	1014.1	987.2	993.9
12.5°	1408.0	1401.3	1349.8	1260.3	1170.8	1072.3	973.8	897.7	830.5	803.6	808.1
15°	1399.1	1394.6	1314.0	1199.9	1076.7	937.9	808.1	709.6	629.0	602.2	611.1
17.5°	1403.6	1390.1	1271.5	1126.0	958.1	788.0	629.0	532.8	492.5	483.5	481.3
20°	1399.1	1374.5	1229.0	1045.4	832.7	611.1	467.9	416.4	416.4	429.8	432.0
22.5°	1403.6	1361.0	1181.9	953.6	689.5	458.9	364.9	351.5	371.6	400.7	400.7
25°	1403.6	1345.4	1130.5	850.6	539.5	349.2	311.2	311.2	338.0	364.9	362.6
27.5°	1394.6	1314.0	1072.3	741.0	400.7	288.8	273.1	279.8	297.7	320.1	317.9
30°	1372.2	1282.7	1000.6	613.4	304.4	255.2	253.0	255.2	264.1	277.6	275.3
32.5°	1352.1	1246.9	931.2	476.8	257.4	237.3	235.0	237.3	239.5	244.0	244.0
35°	1338.6	1215.5	848.4	367.1	232.8	226.1	221.6	221.6	217.1	219.4	219.4
37.5°	1323.0	1186.4	763.3	286.5	219.4	214.9	210.4	203.7	203.7	199.2	199.2
40°	1323.0	1164.0	676.0	241.8	210.4	208.2	199.2	190.3	185.8	185.8	185.8
42.5°	1358.8	1164.0	595.5	221.6	201.5	199.2	188.0	179.1	174.6	174.6	174.6
45°	1419.2	1177.5	512.6	208.2	194.8	190.3	176.8	167.9	163.4	163.4	161.2
47.5°	1524.4	1233.4	438.8	201.5	188.0	181.3	165.7	156.7	152.2	152.2	152.2
50°	1701.3	1345.4	378.3	194.8	181.3	170.1	156.7	147.7	143.3	143.3	141.0
52.5°	1945.3	1513.3	349.2	190.3	172.4	158.9	147.7	138.8	134.3	132.1	132.1
55°	2238.5	1766.2	344.7	188.0	163.4	150.0	138.8	129.8	125.4	123.1	123.1
57.5°	2558.7	2043.8	376.1	183.6	154.5	138.8	129.8	120.9	116.4	114.2	114.2
60°	2867.6	2348.2	476.8	179.1	147.7	129.8	118.6	111.9	107.4	105.2	105.2
62.5°	3225.7	2668.3	698.4	181.3	143.3	120.9	109.7	103.0	100.7	98.5	98.5
65°	3619.7	3035.5	893.2	199.2	145.5	111.9	100.7	96.3	91.8	89.5	89.5
67.5°	3968.9	3272.7	745.4	230.6	158.9	105.2	89.5	87.3	82.8	80.6	82.8
70°	*3890.6*	*3022.0*	*458.9*	*232.8*	*161.2*	*100.7*	*80.6*	*76.1*	*71.6*	*71.6*	*71.6*
72.5°	3548.1	2666.1	320.1	201.5	143.3	89.5	69.4	64.9	62.7	62.7	62.7
75°	2986.2	2198.2	255.2	163.4	111.9	73.9	58.2	56.0	53.7	51.5	51.5
77.5°	1634.1	1195.4	190.3	125.4	82.8	56.0	49.2	44.8	42.5	42.5	42.5
80°	479.0	409.7	118.6	89.5	53.7	40.3	38.1	33.6	31.3	31.3	31.3
82.5°	201.5	170.1	71.6	49.2	35.8	26.9	24.6	22.4	20.1	17.9	20.1
85°	78.3	82.8	44.8	29.1	20.1	13.4	11.2	9.0	9.0	6.7	9.0
87.5°	9.0	11.2	9.0	6.7	4.5	2.2	2.2	2.2	2.2	2.2	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

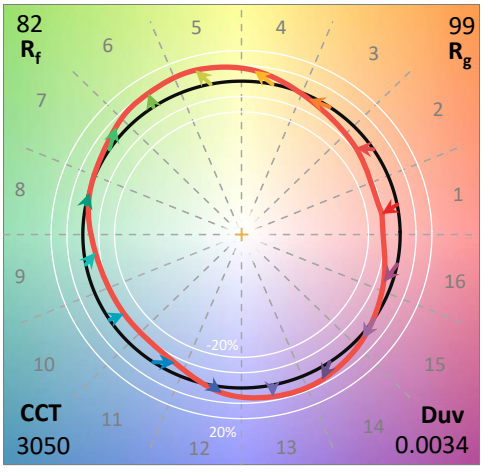
Test Information

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

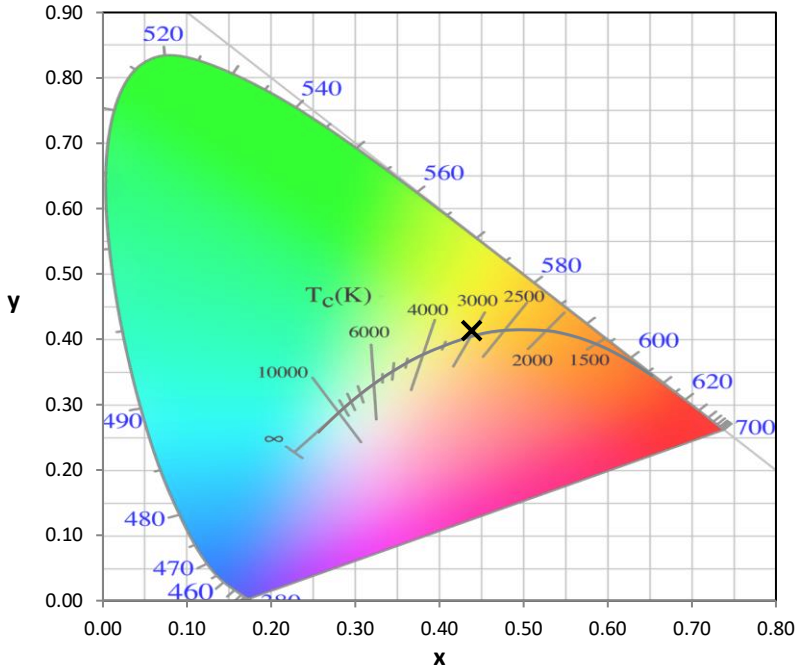
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

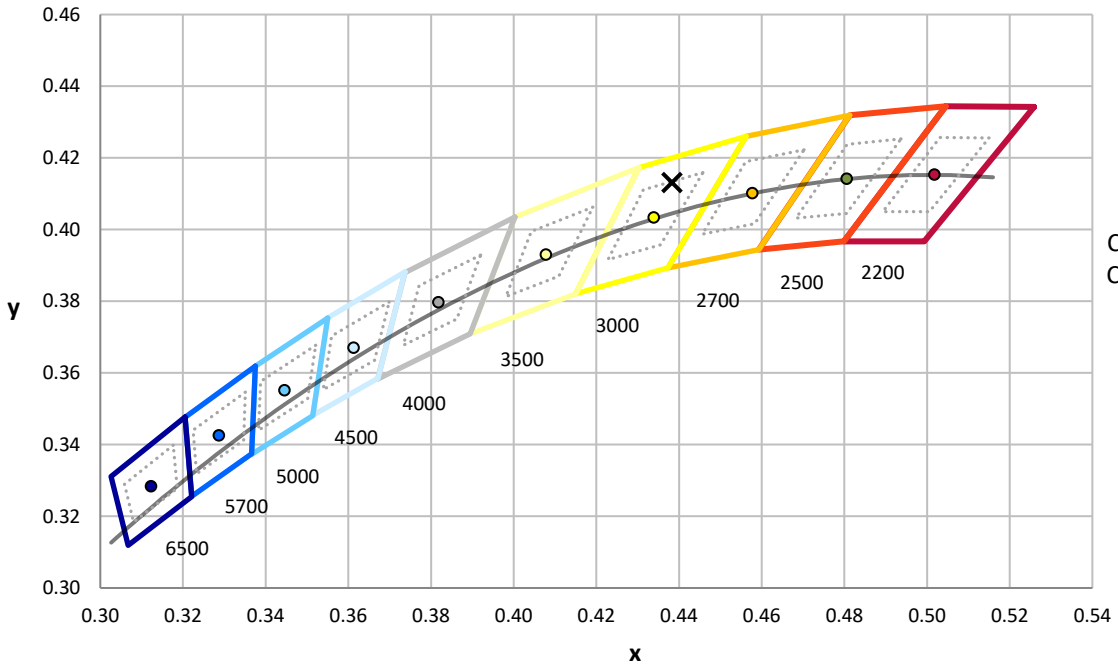
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

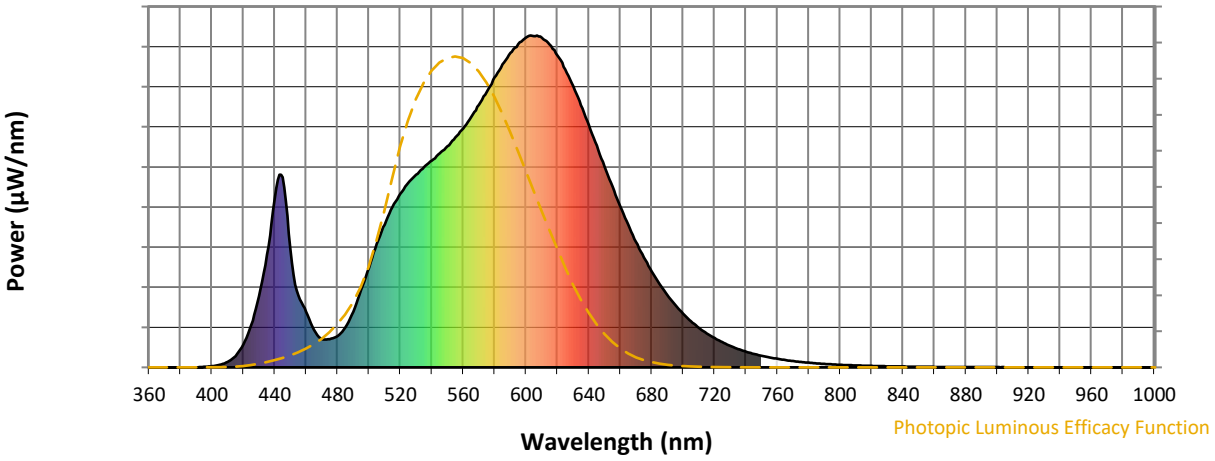


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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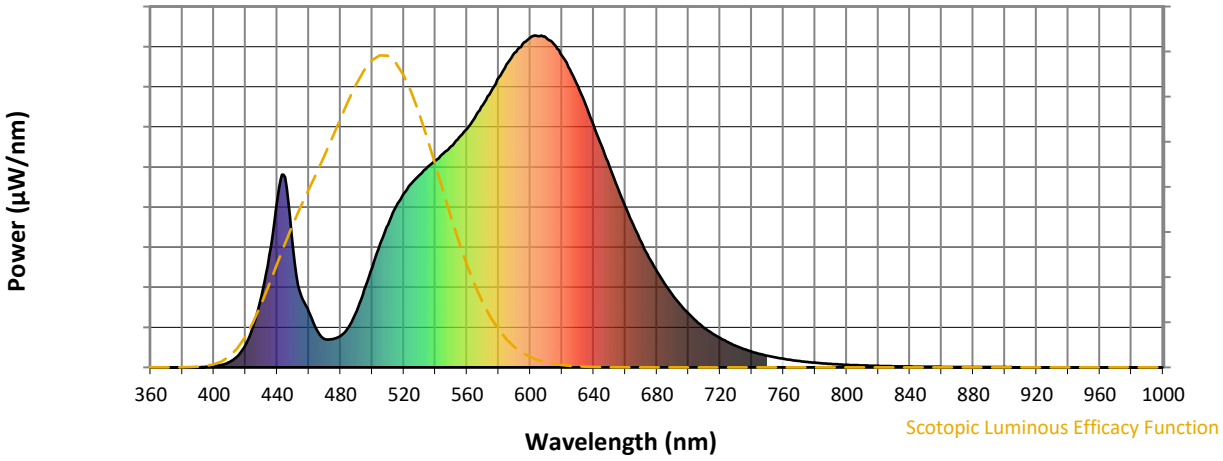
Scotopic Flux vs. Wavelength



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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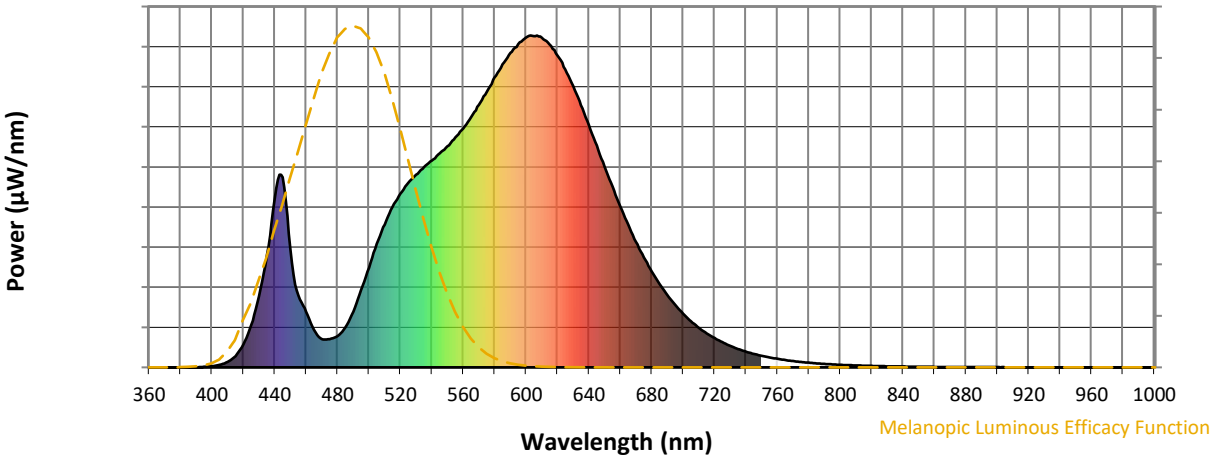
Melanopic Flux vs. Wavelength



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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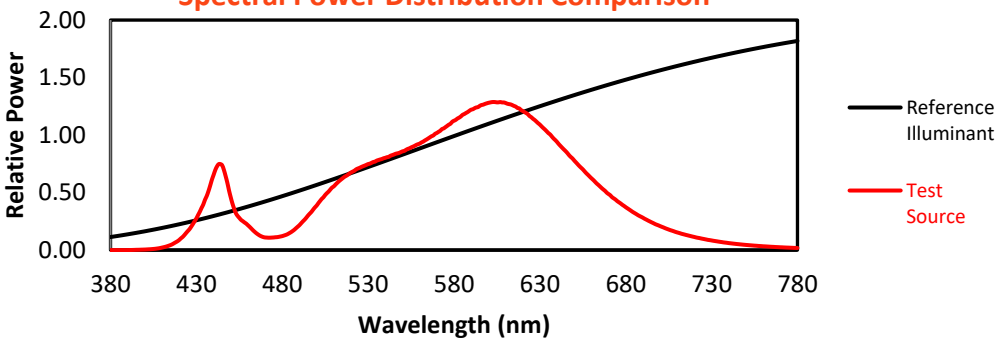
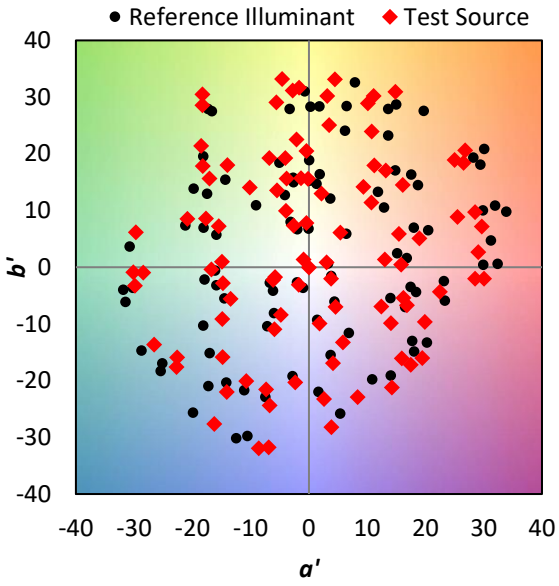
Summary

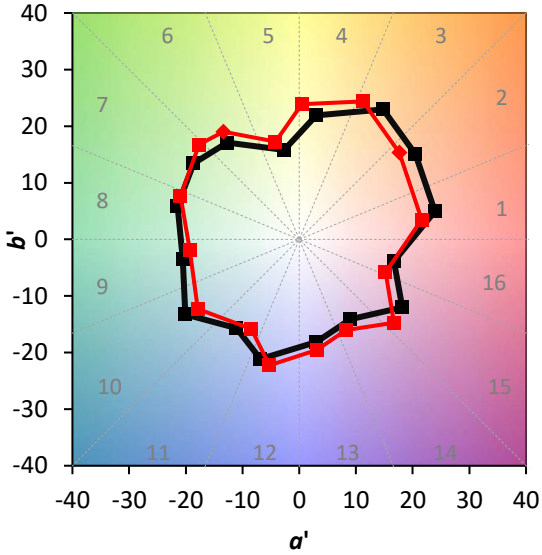
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

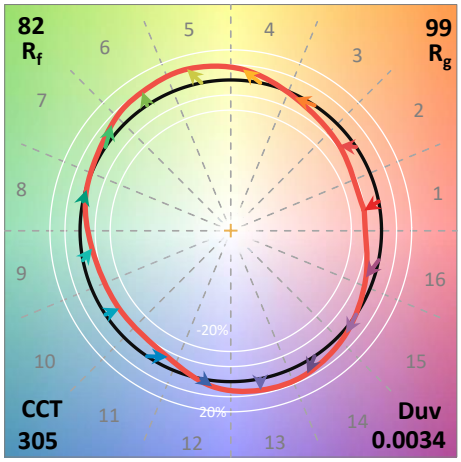
Spectral Power Distribution Comparison

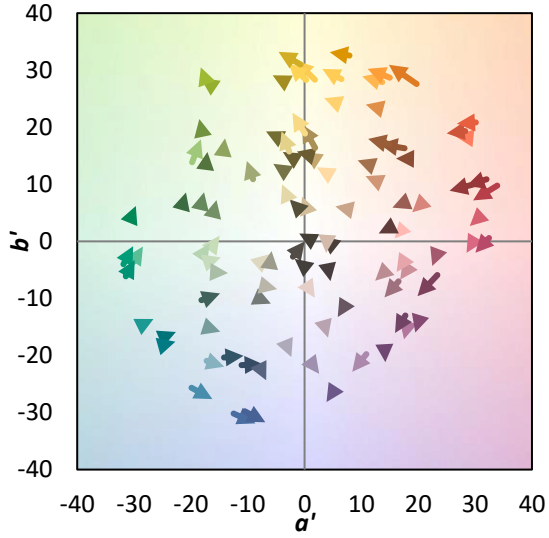


Color Vector Graphics









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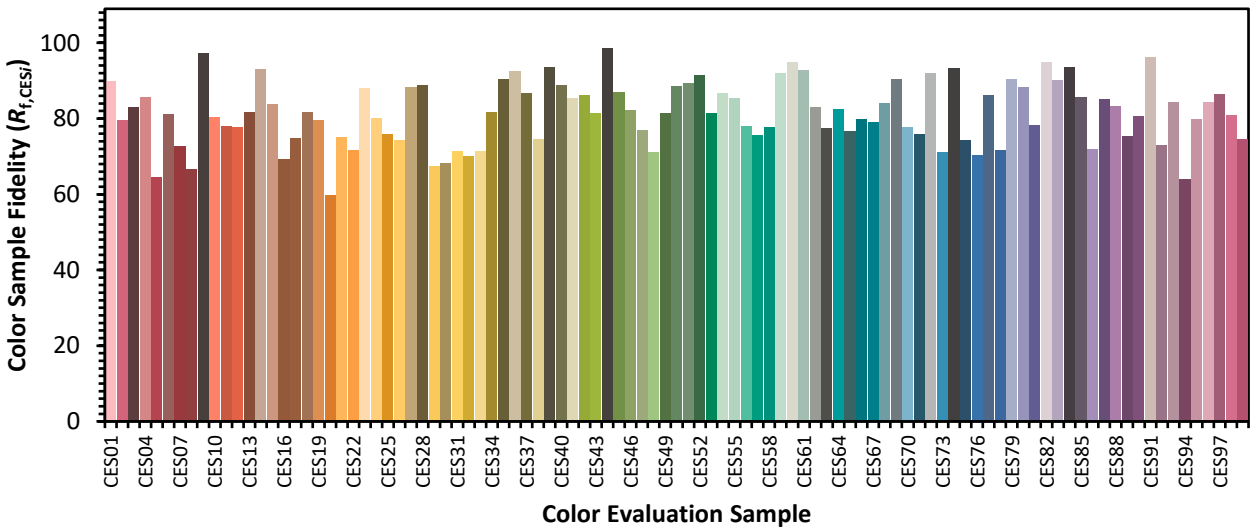
Individual Sample Fidelity Index ($R_{f,i}$)

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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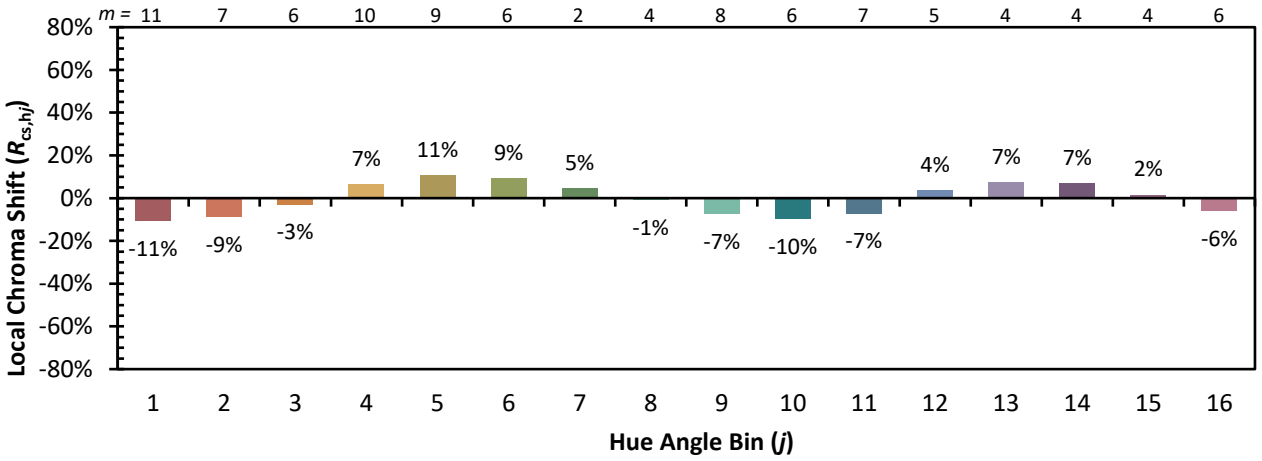
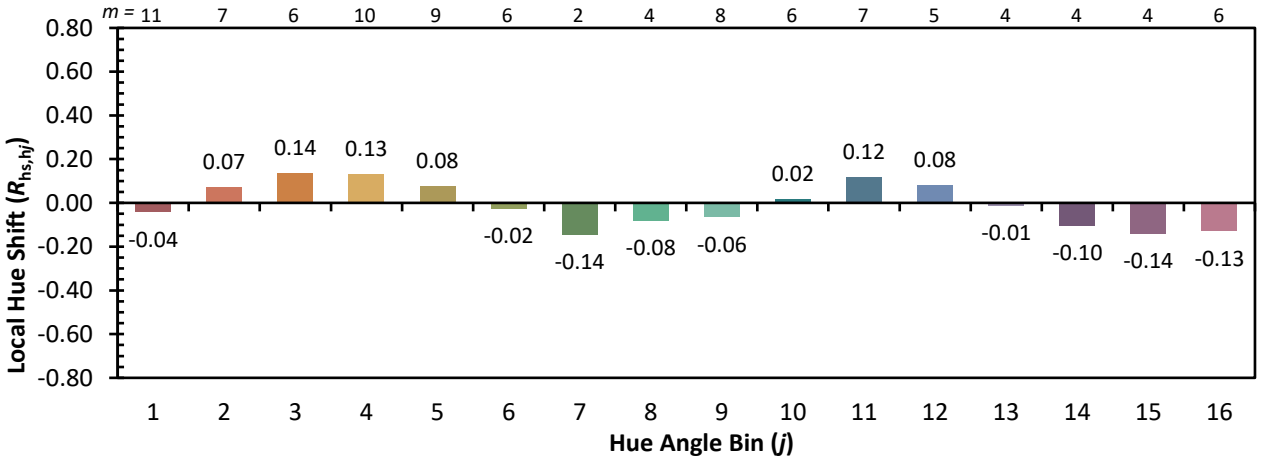
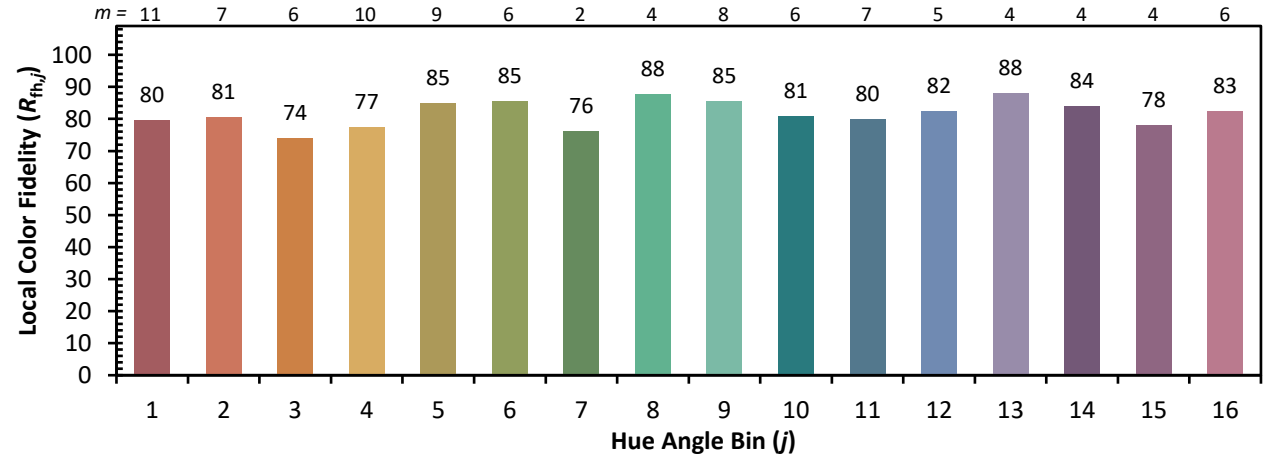
Color Rendition by Hue-Angle Bin







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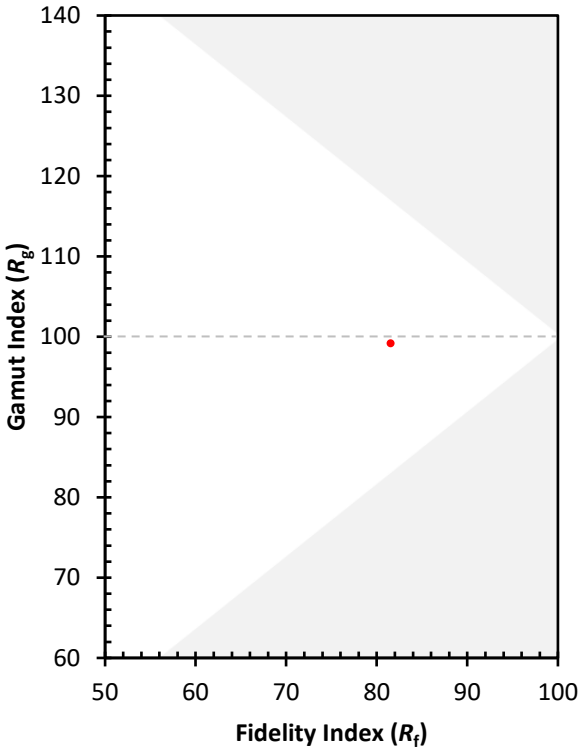
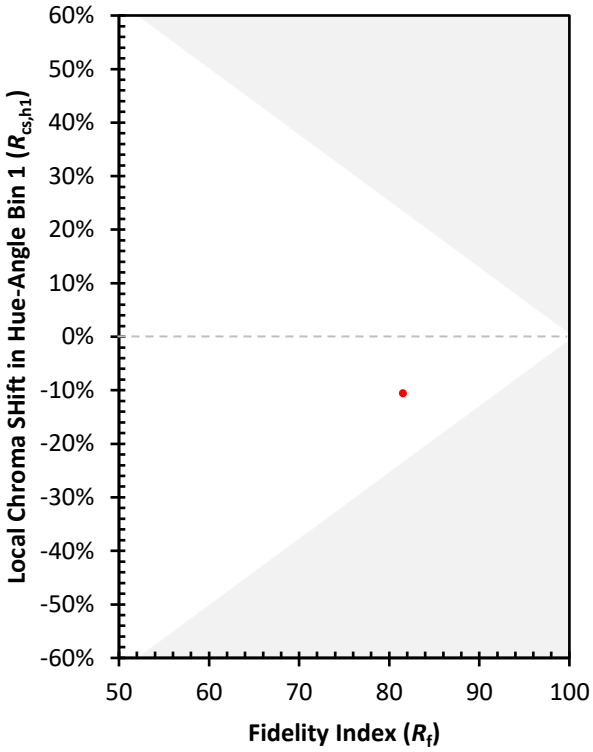
Measure Comparisons





(END OF REPORT)