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: P437947

Luminaire Tested: **ISC-SA1F-830-U-T4FT**

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:	P437947
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-10)
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-T4FT
Description:	IMPACT ELITE LED CYLINDER LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6160 lumens
Efficiency:	N/A
Efficacy:	93.3 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):	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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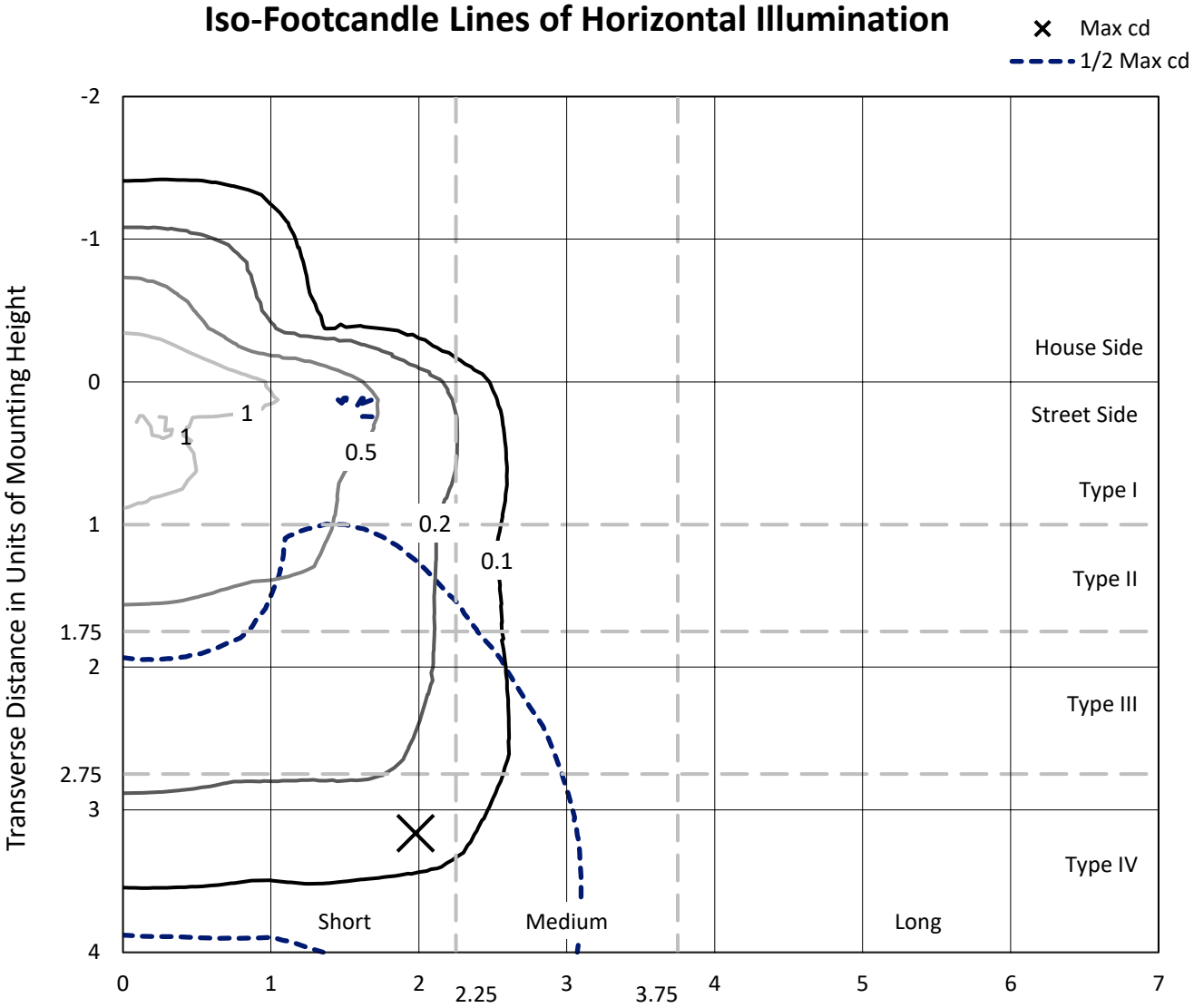
REPORT NUMBER: P437947
CATALOG NUMBER: ISC-SA1F-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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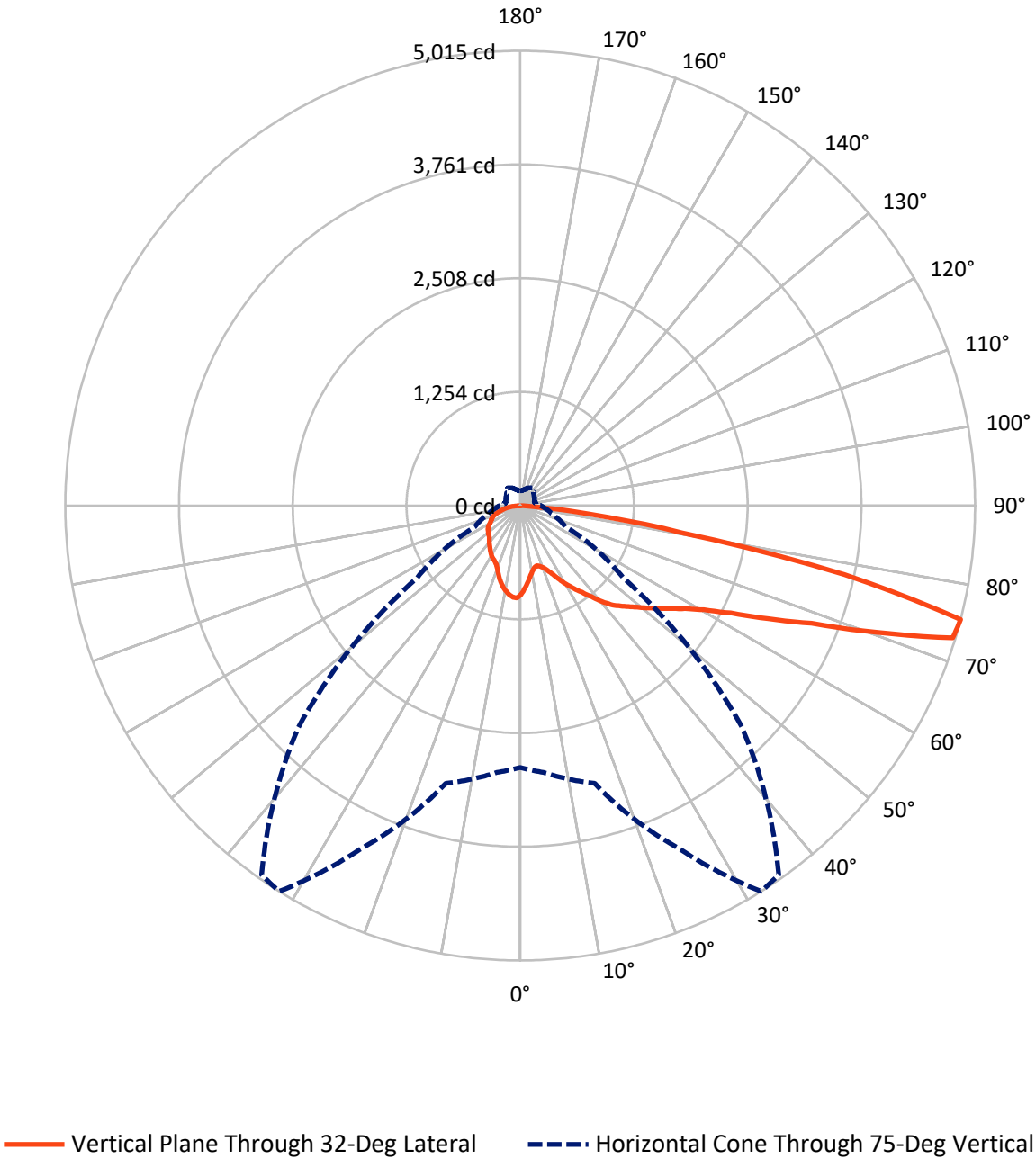
Luminous Intensity Polar Plot



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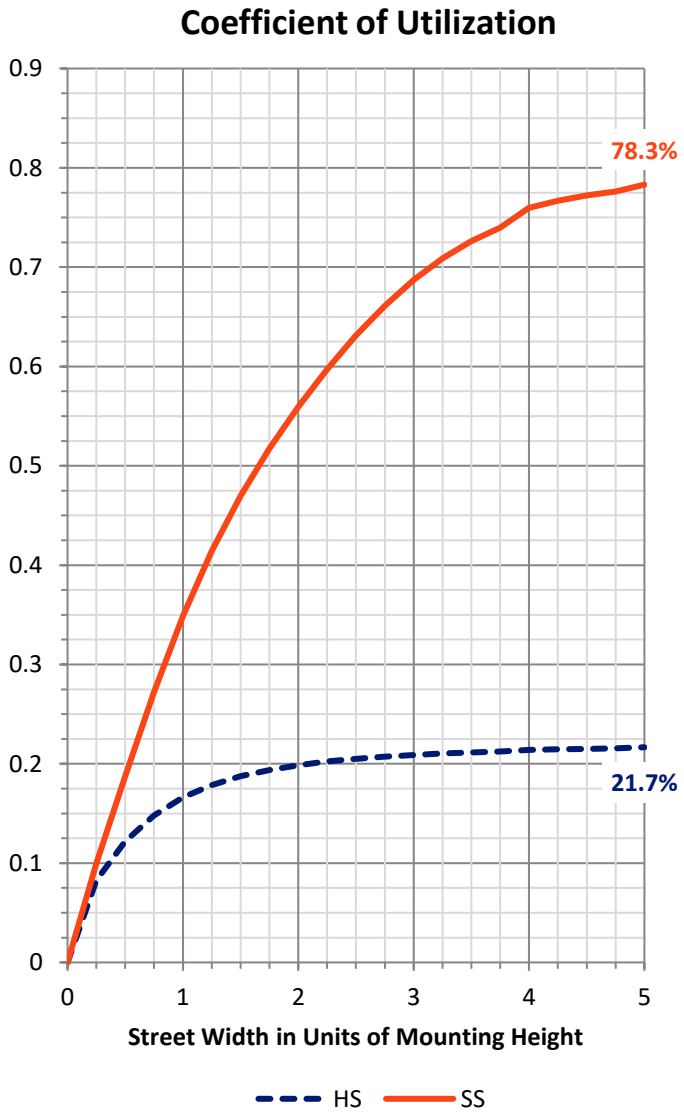
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1349.7	0.0	1349.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	4810.3	0.0	4810.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	6160.0	0.0	6160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.4
10°-20°	243.4	4.0
20°-30°	402.8	6.5
30°-40°	600.4	9.7
40°-50°	854.8	13.9
50°-60°	1176.1	19.1
60°-70°	1482.1	24.1
70°-80°	1198.1	19.5
80°-90°	113.2	1.8
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°	6160.0	100.0
0°-180°	6160.0	100.0



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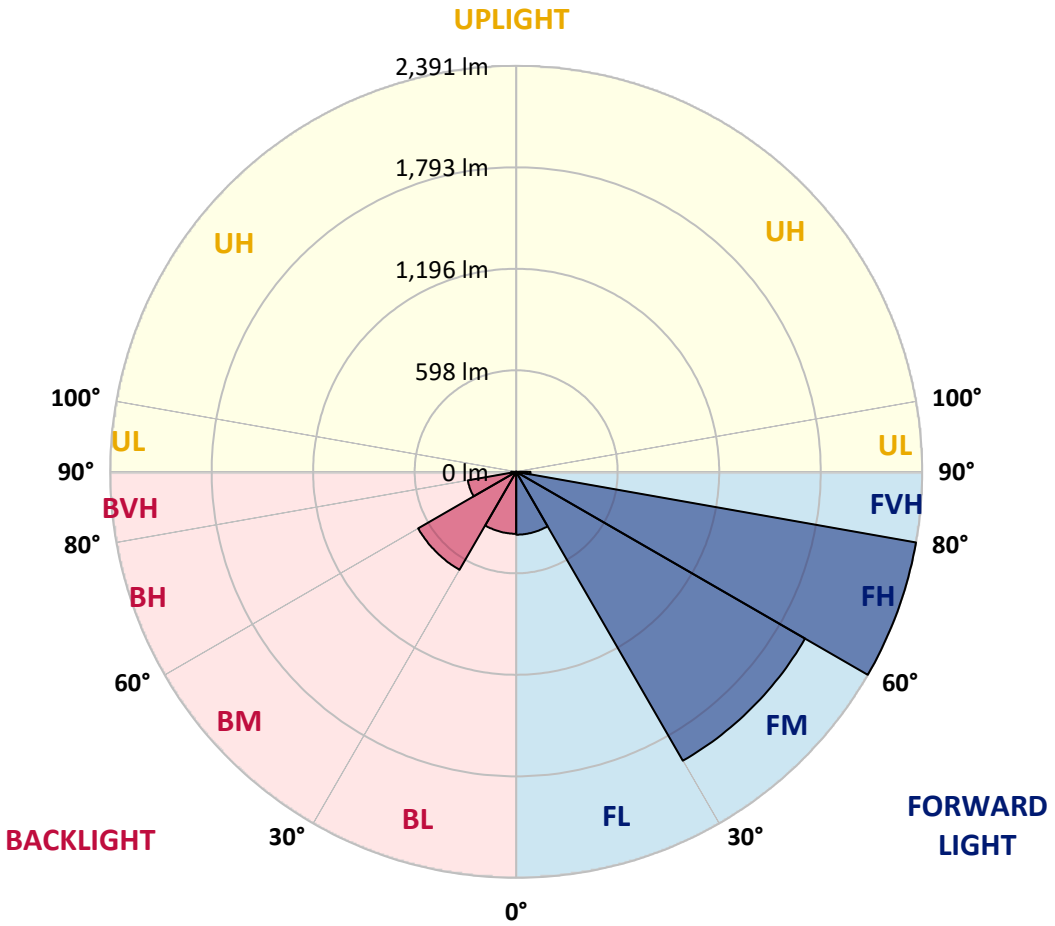
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	370.3	6.0			
FM	(30°-60°)	1964.6	31.9			
FH	(60°-80°)	2391.2	38.8			G2/5000
FVH	(80°-90°)	84.1	1.4			G1/100
BL	(0°-30°)	364.9	5.9	B1/500		
BM	(30°-60°)	666.7	10.8	B1/1000		
BH	(60°-80°)	289.1	4.7	B1/500		G1/500
BVH	(80°-90°)	29.1	0.5			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 IV Short



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Scaled Data Report

REPORT NUMBER: P437947
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	980.6	980.6	980.6	980.6	*980.6*	980.6	980.6	980.6	980.6	980.6	980.6
2.5°	895.5	902.3	904.5	909.0	*917.9*	913.4	924.6	938.1	956.0	964.9	982.8
5°	819.4	819.4	826.1	837.3	*853.0*	853.0	873.1	897.8	929.1	953.7	985.1
7.5°	752.2	752.2	759.0	772.4	*788.1*	799.3	823.9	862.0	904.5	951.5	991.8
10°	696.3	698.5	703.0	716.4	*736.6*	747.8	783.6	826.1	882.1	942.5	998.5
12.5°	676.1	673.9	671.7	682.8	*698.5*	707.5	747.8	801.5	866.4	940.3	1012.0
15°	691.8	687.3	680.6	680.6	*687.3*	691.8	725.4	781.4	853.0	938.1	1027.6
17.5°	732.1	727.6	711.9	696.3	*700.8*	703.0	725.4	770.2	846.3	947.0	1050.0
20°	788.1	781.4	754.5	734.3	*729.9*	729.9	743.3	776.9	850.8	964.9	1079.1
22.5°	855.2	848.5	817.2	781.4	*776.9*	774.6	781.4	803.7	864.2	985.1	1123.9
25°	944.8	938.1	900.0	855.2	*839.6*	837.3	830.6	844.0	886.6	1012.0	1155.2
27.5°	1041.1	1043.3	998.5	938.1	*922.4*	915.7	897.8	895.5	913.4	1034.3	1209.0
30°	1130.6	1126.1	1079.1	1029.9	*1007.5*	998.5	969.4	956.0	944.8	1067.9	1271.7
32.5°	1173.1	1179.9	1157.5	1110.5	*1092.6*	1076.9	1043.3	1020.9	1005.2	1119.4	1347.8
35°	1244.8	1247.0	1238.1	1209.0	*1173.1*	1162.0	1130.6	1114.9	1081.4	1182.1	1439.6
37.5°	1316.4	1323.2	1320.9	1303.0	*1271.7*	1260.5	1233.6	1226.9	1159.7	1260.5	1553.8
40°	1423.9	1412.7	1397.0	1403.7	*1392.6*	1385.8	1374.6	1352.3	1269.4	1345.5	1665.7
42.5°	1540.3	1520.2	1464.2	1482.1	*1497.8*	1504.5	1520.2	1495.5	1383.6	1473.2	1757.5
45°	1634.3	1618.7	1544.8	1549.3	*1580.6*	1603.0	1676.9	1663.5	1531.4	1612.0	1880.6
47.5°	1688.1	1674.6	1623.2	1645.5	*1665.7*	1697.0	1840.3	1829.1	1670.2	1762.0	2028.4
50°	1764.2	1741.8	1692.6	1732.9	*1768.7*	1793.3	1999.3	1994.8	1788.8	1916.4	2196.3
52.5°	1806.7	1784.4	1779.9	1835.8	*1878.4*	1912.0	2169.4	2156.0	1905.2	2070.9	2355.3
55°	1864.9	1869.4	1898.5	1941.1	*2001.5*	2057.5	2335.1	2267.9	2012.7	2223.2	2512.0
57.5°	1992.6	1988.1	2044.1	2064.2	*2142.6*	2214.2	2532.1	2386.6	2102.3	2332.9	2585.9
60°	2162.7	2171.7	2191.8	2243.3	*2328.4*	2438.1	2722.4	2509.7	2160.5	2411.2	2572.4
62.5°	2485.1	2433.6	2424.7	2438.1	*2606.0*	2733.6	2908.2	2619.4	2185.1	2413.5	2431.4
65°	2812.0	2791.8	2722.4	2756.0	*3000.0*	3116.5	3147.8	2691.1	2135.8	2274.7	2117.9
67.5°	3150.0	3147.8	3073.9	3170.2	*3463.5*	3600.0	3414.2	2677.6	1974.7	1950.0	1627.6
70°	3497.1	3512.7	3512.7	3785.9	*4186.6*	4222.4	3712.0	2550.0	1654.5	1381.4	951.5
72.5°	3649.3	3658.3	3738.9	4345.6	*4985.9*	4997.1	3882.1	2165.0	1128.4	736.6	479.1
75°	*2885.9*	*2953.0*	*3170.2*	*4184.4*	*5015.0*	*4970.2*	*3459.0*	*1385.8*	*550.8*	*367.2*	*266.4*
77.5°	1132.9	1157.5	1598.5	2664.2	*3653.8*	3698.6	2238.8	553.0	279.9	232.8	192.5
80°	320.2	335.8	566.4	1059.0	*1804.5*	1994.8	891.1	239.6	188.1	170.2	138.8
82.5°	114.2	129.9	210.5	405.2	*770.2*	812.7	241.8	118.7	120.9	109.7	85.1
85°	15.7	13.4	29.1	73.9	*170.2*	143.3	40.3	31.3	49.3	51.5	35.8
87.5°	0.0	0.0	0.0	2.2	*2.2*	2.2	0.0	0.0	0.0	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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CATALOG NUMBER: ISC-SA1F-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	980.6	980.6	980.6	980.6	980.6	980.6	980.6	980.6	980.6	980.6	980.6
2.5°	987.3	991.8	1000.8	1005.2	1009.7	1018.7	1016.4	1020.9	1020.9	1018.7	1023.1
5°	996.3	1007.5	1018.7	1023.1	1025.4	1025.4	1014.2	1007.5	1005.2	1003.0	1005.2
7.5°	1005.2	1020.9	1032.1	1029.9	1020.9	1005.2	991.8	980.6	969.4	964.9	969.4
10°	1020.9	1036.6	1043.3	1027.6	1003.0	978.4	958.2	942.5	924.6	922.4	924.6
12.5°	1034.3	1054.5	1054.5	1018.7	985.1	951.5	920.2	895.5	873.1	866.4	866.4
15°	1056.7	1072.4	1056.7	1007.5	960.5	917.9	873.1	841.8	814.9	803.7	806.0
17.5°	1081.4	1092.6	1052.3	989.6	933.6	877.6	819.4	776.9	756.7	745.5	747.8
20°	1110.5	1112.7	1052.3	967.2	893.3	819.4	756.7	725.4	711.9	705.2	707.5
22.5°	1148.5	1139.6	1045.5	938.1	841.8	761.2	703.0	694.0	694.0	694.0	700.8
25°	1188.8	1164.2	1034.3	900.0	774.6	691.8	669.4	680.6	689.6	689.6	694.0
27.5°	1229.1	1188.8	1012.0	844.0	696.3	642.5	651.5	669.4	678.4	678.4	682.8
30°	1278.4	1217.9	985.1	767.9	622.4	609.0	631.4	653.7	667.2	667.2	671.7
32.5°	1341.1	1242.6	944.8	689.6	573.1	579.9	604.5	629.1	644.8	649.3	651.5
35°	1410.5	1276.1	888.8	602.2	539.6	557.5	577.6	600.0	613.4	617.9	617.9
37.5°	1482.1	1309.7	814.9	528.4	510.5	535.1	555.2	566.4	575.4	575.4	575.4
40°	1553.8	1327.6	718.7	470.2	481.3	517.2	535.1	530.6	528.4	521.6	523.9
42.5°	1627.6	1341.1	615.7	427.6	452.2	497.0	510.5	499.3	481.3	470.2	472.4
45°	1708.2	1361.2	530.6	396.3	423.1	479.1	492.5	470.2	447.8	429.9	425.4
47.5°	1800.0	1394.8	454.5	367.2	405.2	467.9	481.3	450.0	420.9	396.3	391.8
50°	1925.4	1446.3	396.3	347.0	394.0	461.2	472.4	432.1	398.5	367.2	364.9
52.5°	2053.0	1484.3	356.0	329.1	380.6	447.8	461.2	418.7	378.4	344.8	340.3
55°	2147.0	1479.9	320.2	311.2	362.7	429.9	450.0	403.0	351.5	320.2	315.7
57.5°	2187.3	1388.1	291.0	295.5	342.5	407.5	432.1	378.4	331.3	304.5	302.2
60°	2117.9	1240.3	270.9	277.6	320.2	378.4	398.5	360.5	317.9	293.3	291.0
62.5°	1997.0	1074.6	255.2	264.2	297.8	351.5	378.4	338.1	300.0	282.1	279.9
65°	1710.5	893.3	239.6	248.5	277.6	324.6	360.5	324.6	286.6	268.7	266.4
67.5°	1291.8	642.5	223.9	232.8	259.7	304.5	344.8	306.7	266.4	253.0	253.0
70°	770.2	394.0	203.7	217.2	237.3	279.9	320.2	282.1	241.8	237.3	232.8
72.5°	376.1	250.7	185.8	197.0	212.7	248.5	284.3	250.7	210.5	199.3	197.0
75°	*226.1*	*181.3*	*161.2*	*174.6*	*185.8*	*208.2*	*239.6*	*214.9*	*183.6*	*165.7*	*163.4*
77.5°	163.4	136.6	136.6	150.0	150.0	172.4	206.0	183.6	154.5	143.3	141.0
80°	116.4	103.0	111.9	120.9	116.4	145.5	174.6	154.5	125.4	116.4	114.2
82.5°	76.1	71.6	85.1	82.8	82.8	111.9	143.3	116.4	91.8	76.1	71.6
85°	31.3	35.8	49.3	47.0	47.0	62.7	73.9	60.4	42.5	33.6	33.6
87.5°	0.0	2.2	6.7	4.5	4.5	6.7	2.2	2.2	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

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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

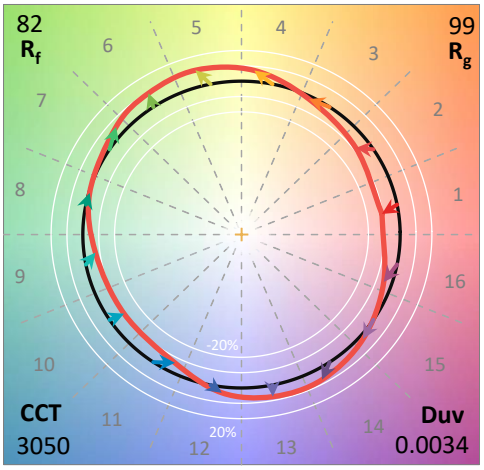
Test Information

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

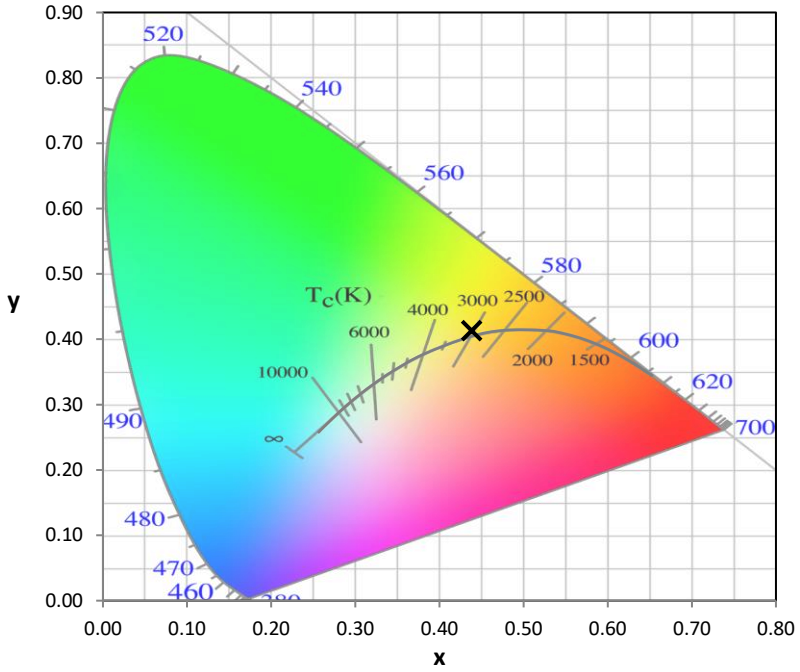
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

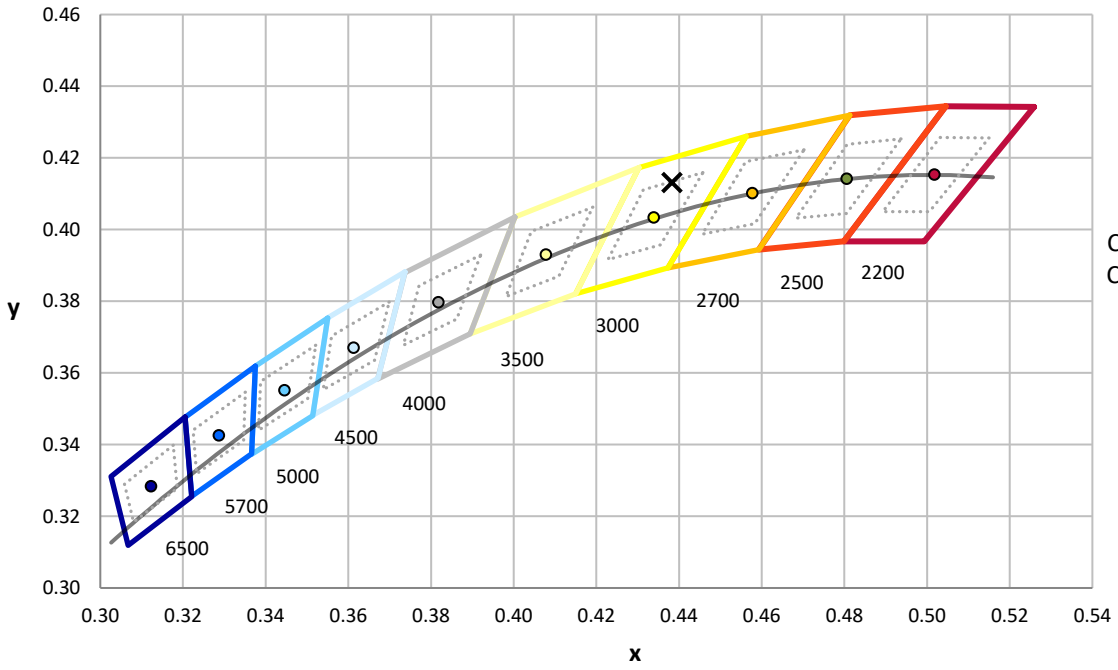
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

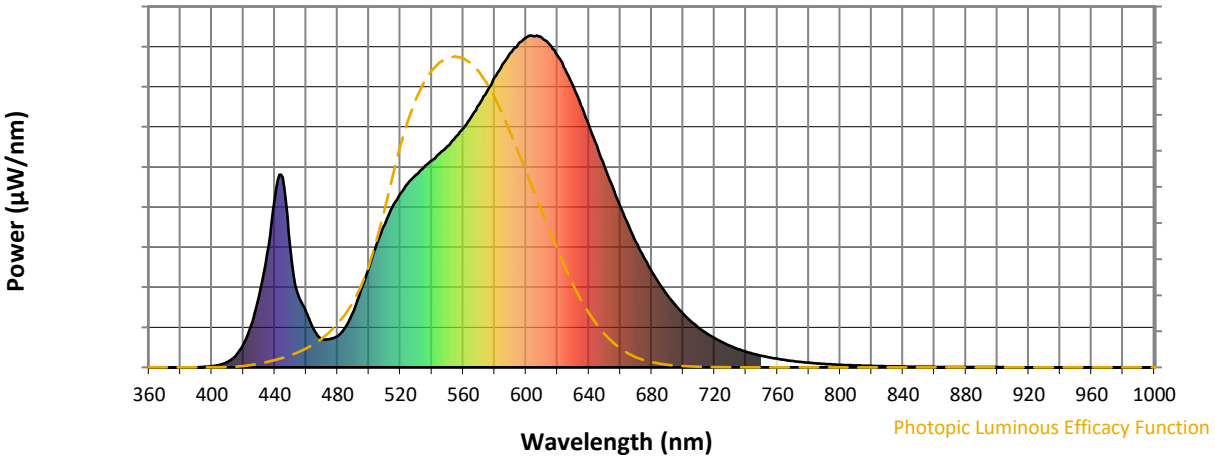


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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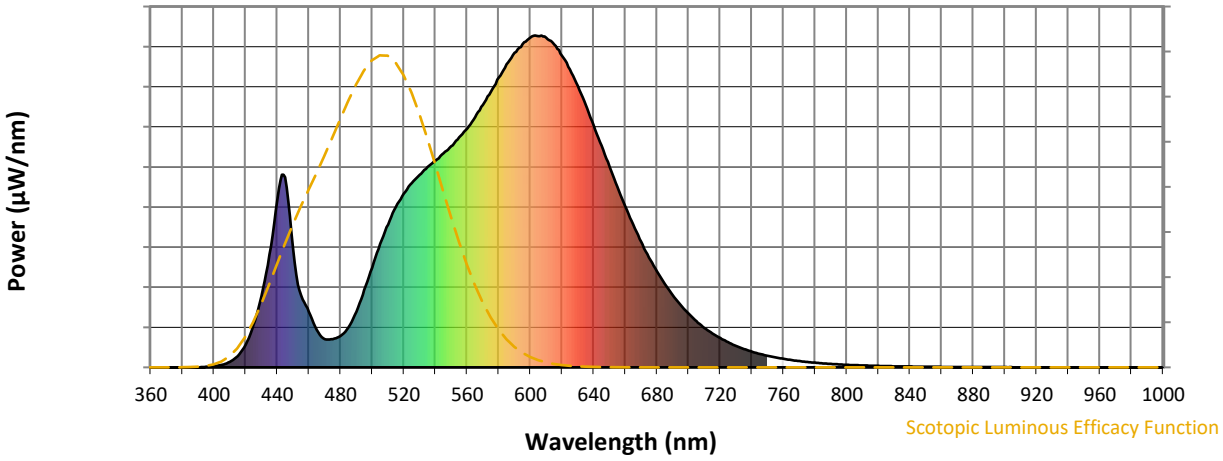
Scotopic Flux vs. Wavelength



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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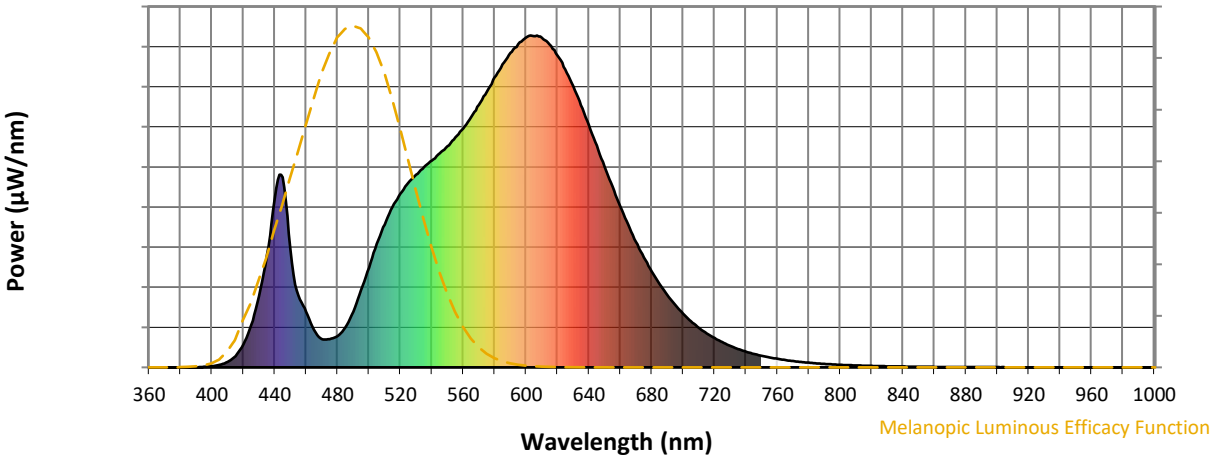
Melanopic Flux vs. Wavelength



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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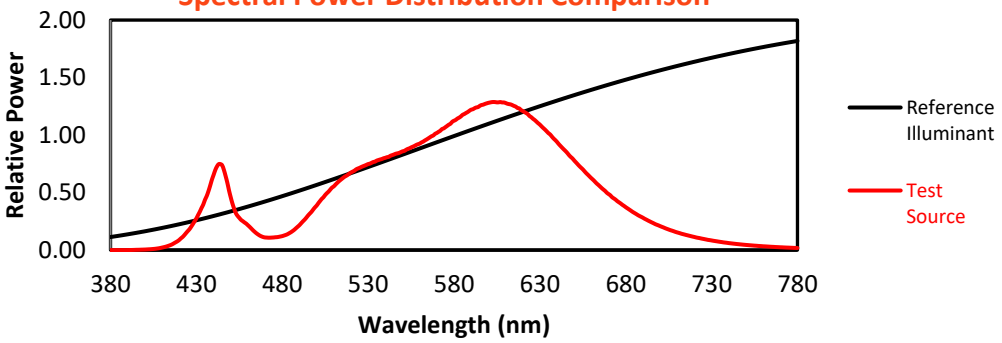
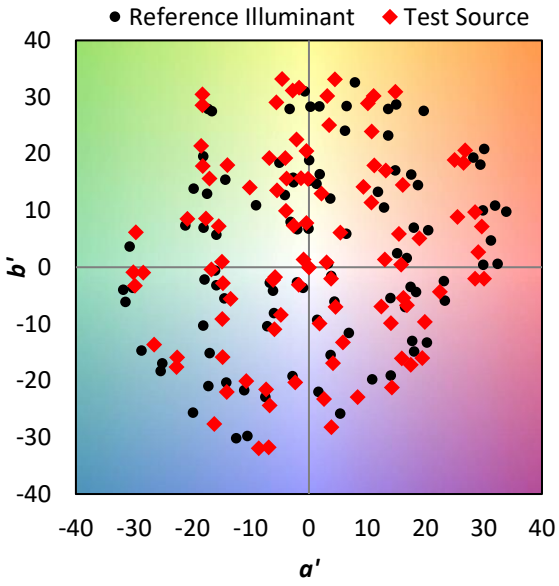
Summary

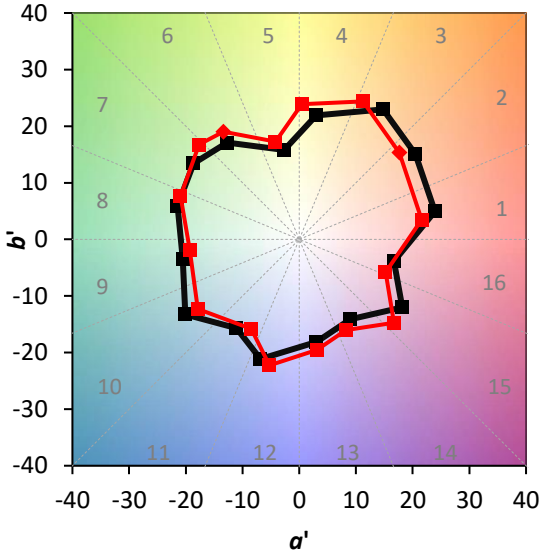
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

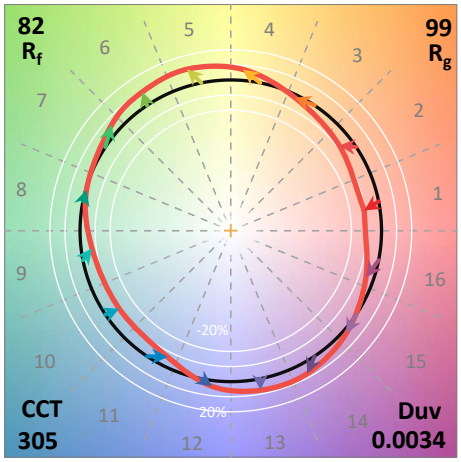
Spectral Power Distribution Comparison

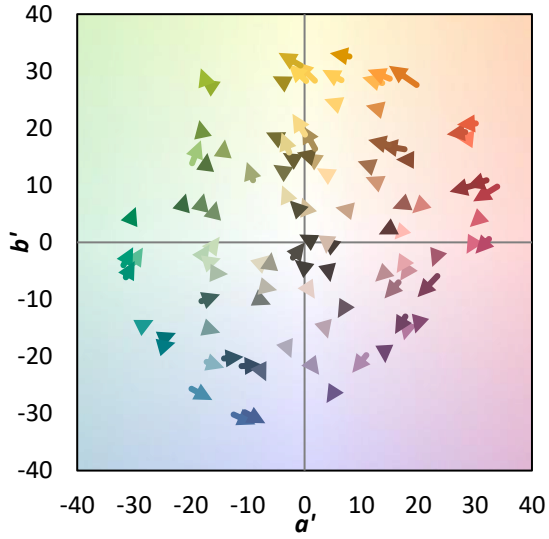


Color Vector Graphics









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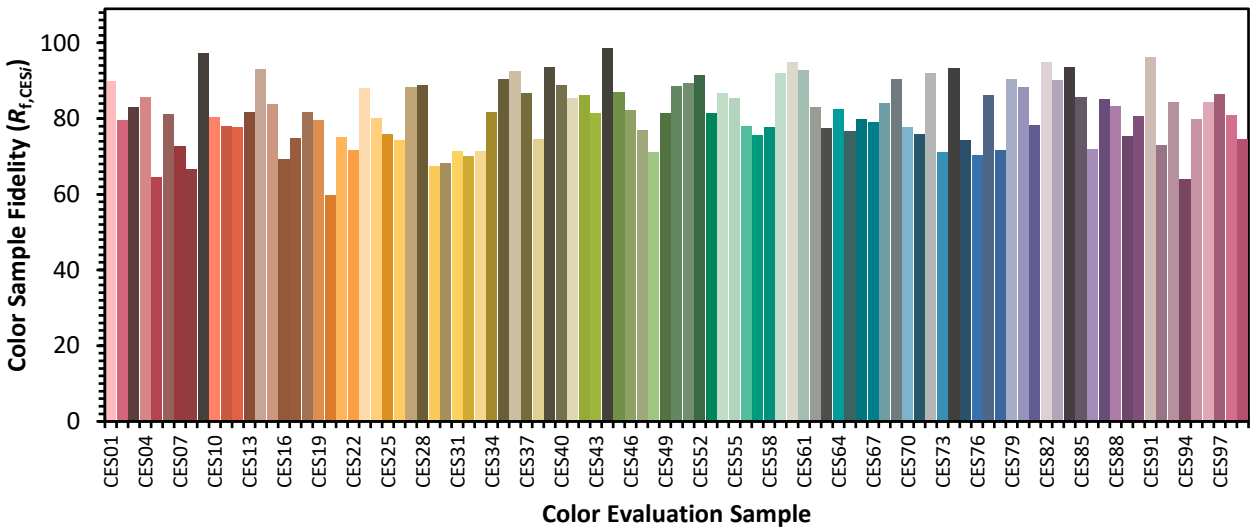
Individual Sample Fidelity Index ($R_{f,i}$)

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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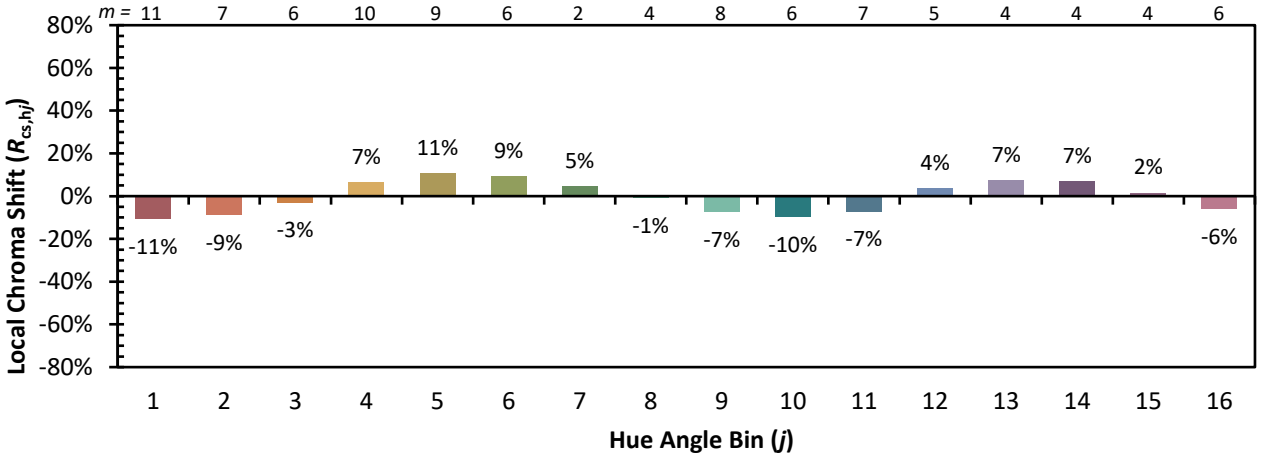
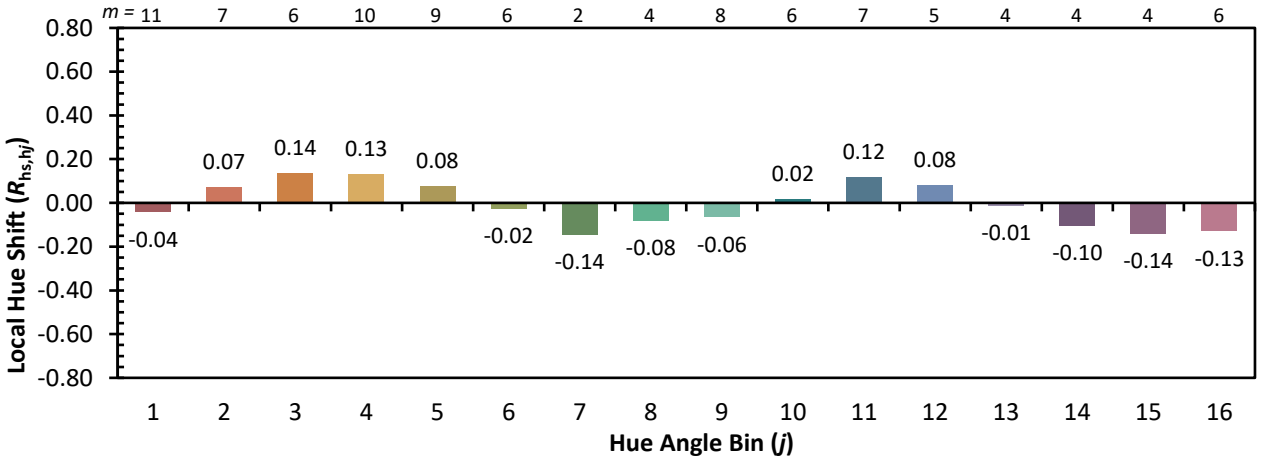
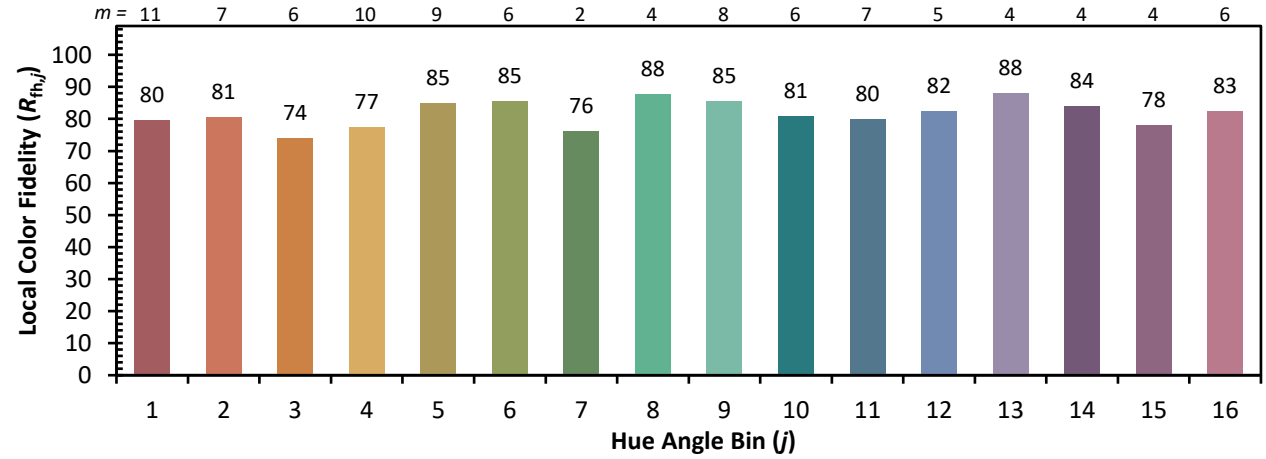
Color Rendition by Hue-Angle Bin







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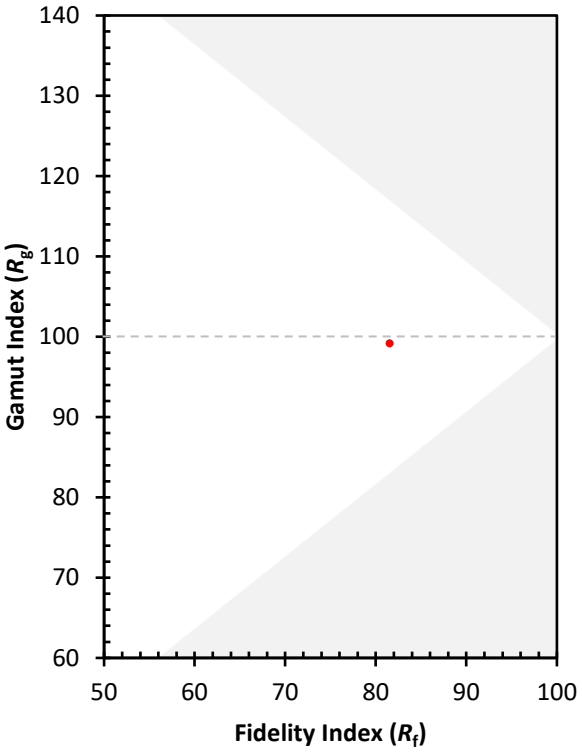
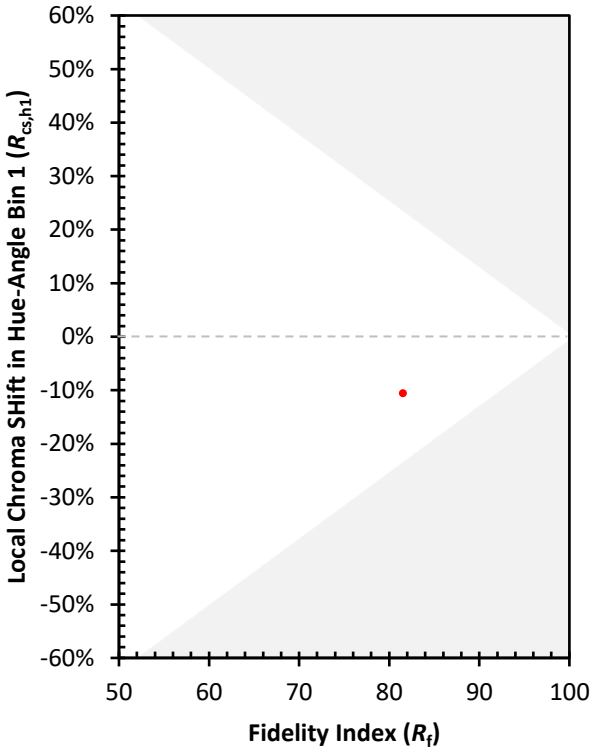
Measure Comparisons





(END OF REPORT)