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: P437776

Luminaire Tested: **ISS-SA1E-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:	P437776
	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:	ISS-SA1E-830-U-T4FT
Description:	IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5641 lumens
Efficiency:	N/A
Efficacy:	96.9 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):	58.2
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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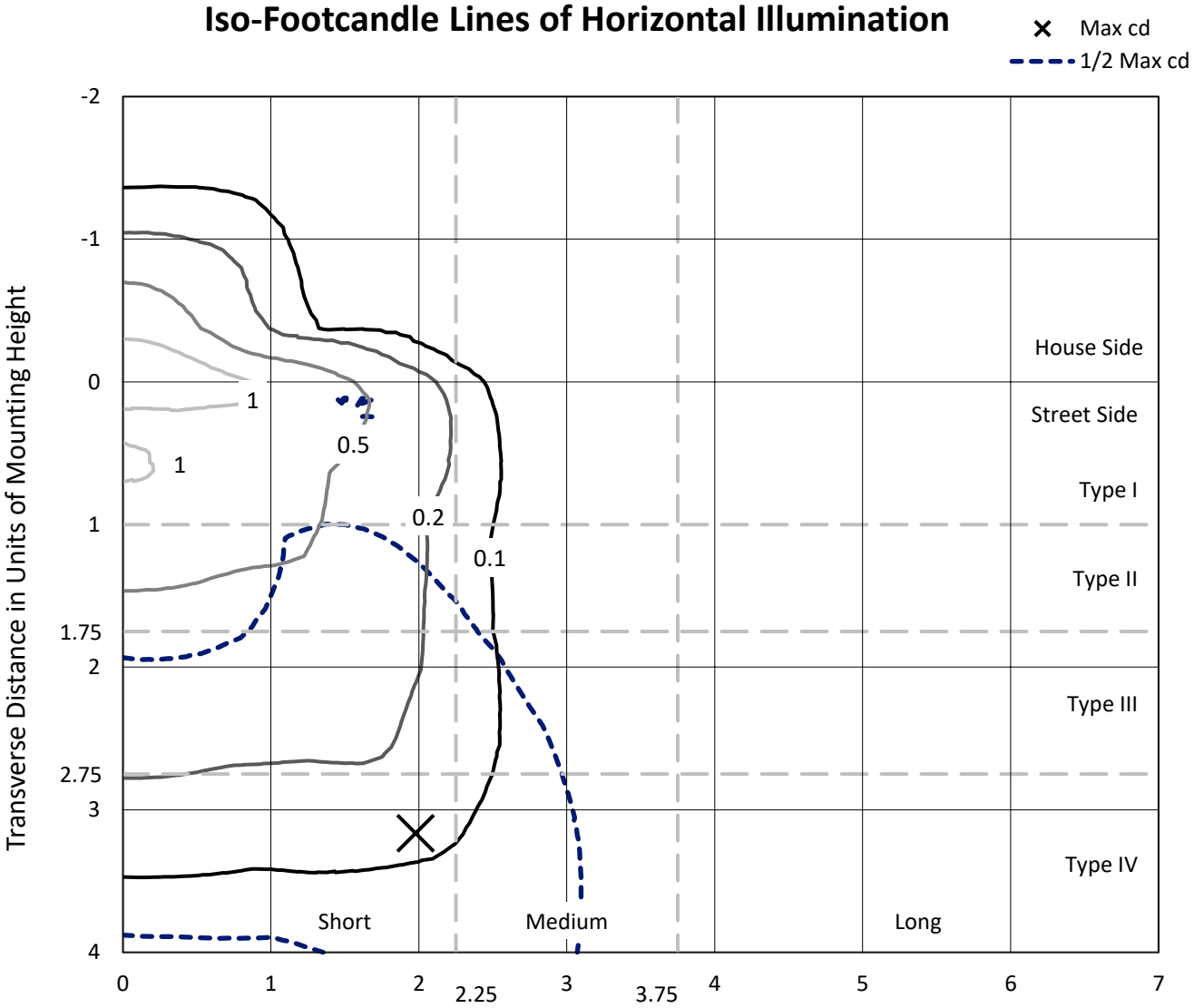
Scaled Data Report

REPORT NUMBER: P437776
CATALOG NUMBER: ISS-SA1E-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type IV - Short - N/A

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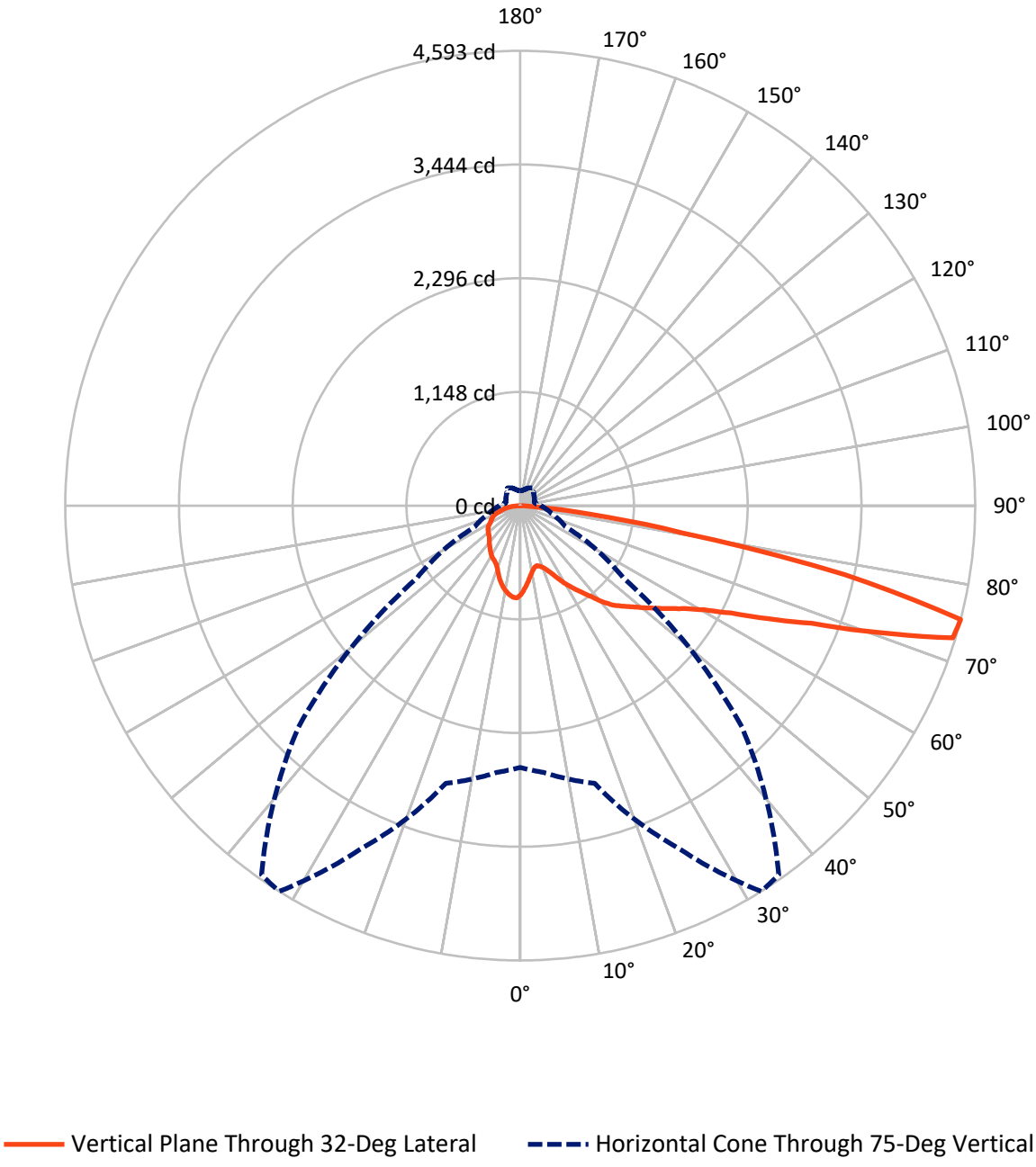
Luminous Intensity Polar Plot



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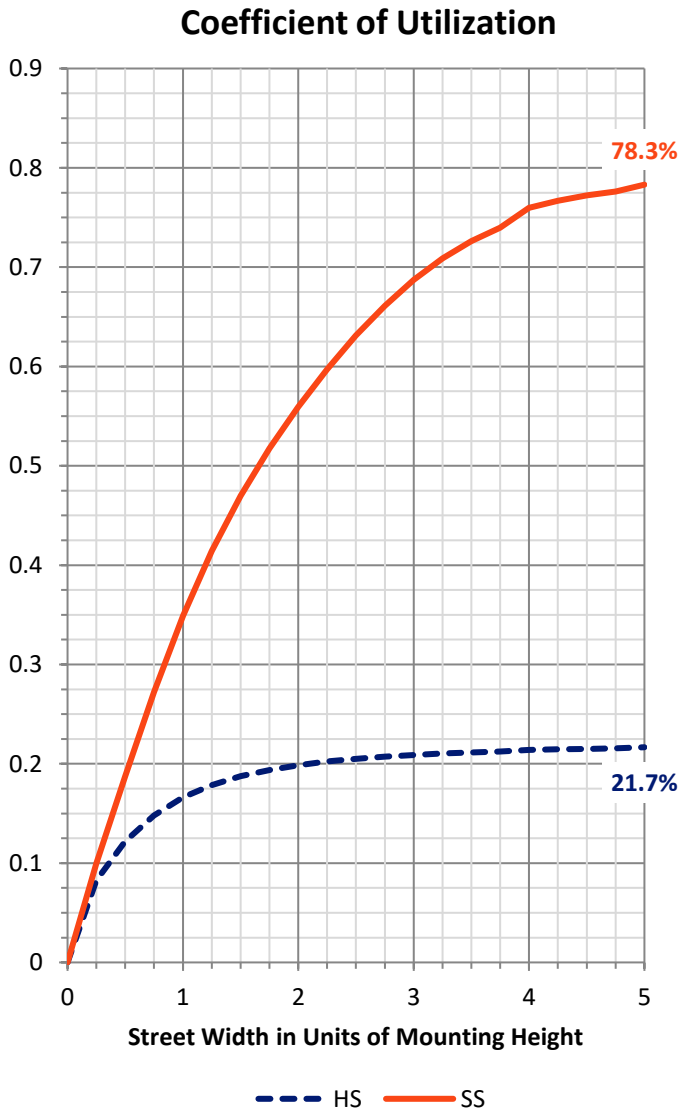
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1236.0	0.0	1236.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	4405.0	0.0	4405.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	5641.0	0.0	5641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.4
10°-20°	222.9	4.0
20°-30°	368.9	6.5
30°-40°	549.8	9.7
40°-50°	782.8	13.9
50°-60°	1077.0	19.1
60°-70°	1357.2	24.1
70°-80°	1097.2	19.5
80°-90°	103.7	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°	5641.0	100.0
0°-180°	5641.0	100.0



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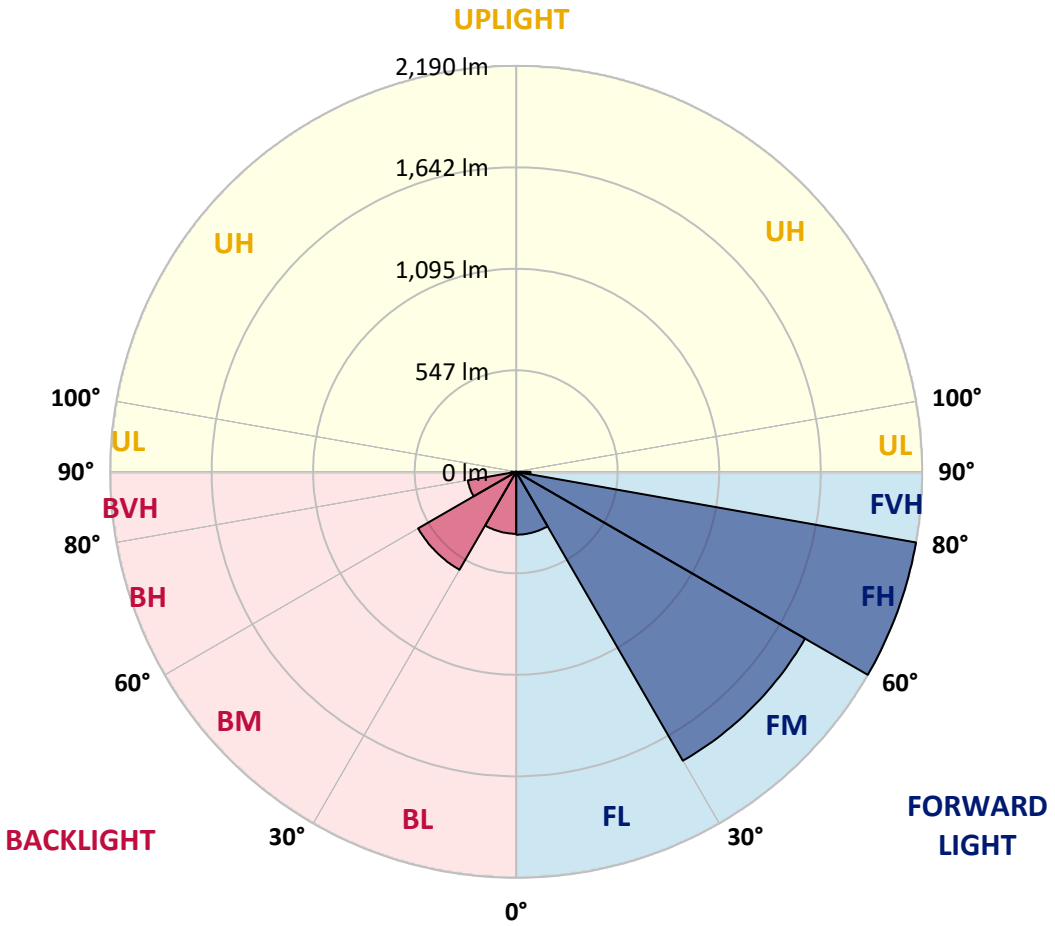
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	339.1	6.0			
FM	(30°-60°)	1799.1	31.9			
FH	(60°-80°)	2189.7	38.8			G2/5000
FVH	(80°-90°)	77.0	1.4			G1/100
BL	(0°-30°)	334.1	5.9	B1/500		
BM	(30°-60°)	610.5	10.8	B1/1000		
BH	(60°-80°)	264.7	4.7	B1/500		G1/500
BVH	(80°-90°)	26.7	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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REPORT NUMBER: P437776
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	898.0	898.0	898.0	898.0	*898.0*	898.0	898.0	898.0	898.0	898.0	898.0
2.5°	820.1	826.2	828.3	832.4	*840.6*	836.5	846.7	859.0	875.4	883.6	900.0
5°	750.4	750.4	756.5	766.8	*781.1*	781.1	799.6	822.1	850.8	873.4	902.1
7.5°	688.9	688.9	695.0	707.3	*721.7*	731.9	754.5	789.3	828.3	871.3	908.2
10°	637.6	639.7	643.8	656.1	*674.5*	684.8	717.6	756.5	807.8	863.1	914.4
12.5°	619.2	617.1	615.1	625.3	*639.7*	647.9	684.8	734.0	793.4	861.1	926.7
15°	633.5	629.4	623.3	623.3	*629.4*	633.5	664.3	715.5	781.1	859.0	941.0
17.5°	670.4	666.3	652.0	637.6	*641.7*	643.8	664.3	705.3	775.0	867.2	961.5
20°	721.7	715.5	690.9	672.5	*668.4*	668.4	680.7	711.4	779.1	883.6	988.2
22.5°	783.2	777.0	748.3	715.5	*711.4*	709.4	715.5	736.0	791.4	902.1	1029.2
25°	865.2	859.0	824.2	783.2	*768.8*	766.8	760.6	772.9	811.9	926.7	1057.9
27.5°	953.3	955.4	914.4	859.0	*844.7*	838.5	822.1	820.1	836.5	947.2	1107.1
30°	1035.4	1031.3	988.2	943.1	*922.6*	914.4	887.7	875.4	865.2	977.9	1164.5
32.5°	1074.3	1080.5	1060.0	1016.9	*1000.5*	986.1	955.4	934.9	920.5	1025.1	1234.2
35°	1139.9	1142.0	1133.8	1107.1	*1074.3*	1064.1	1035.4	1021.0	990.2	1082.5	1318.3
37.5°	1205.5	1211.7	1209.6	1193.2	*1164.5*	1154.3	1129.7	1123.5	1062.0	1154.3	1422.8
40°	1303.9	1293.7	1279.3	1285.5	*1275.2*	1269.1	1258.8	1238.3	1162.5	1232.2	1525.4
42.5°	1410.5	1392.1	1340.8	1357.2	*1371.6*	1377.7	1392.1	1369.5	1267.0	1349.0	1609.4
45°	1496.6	1482.3	1414.6	1418.7	*1447.4*	1467.9	1535.6	1523.3	1402.3	1476.1	1722.2
47.5°	1545.9	1533.6	1486.4	1506.9	*1525.4*	1554.1	1685.3	1675.0	1529.5	1613.5	1857.5
50°	1615.6	1595.1	1550.0	1586.9	*1619.7*	1642.2	1830.8	1826.7	1638.1	1755.0	2011.3
52.5°	1654.5	1634.0	1629.9	1681.2	*1720.1*	1750.9	1986.6	1974.3	1744.7	1896.4	2156.8
55°	1707.8	1711.9	1738.6	1777.5	*1832.9*	1884.1	2138.4	2076.9	1843.1	2035.9	2300.3
57.5°	1824.7	1820.6	1871.8	1890.3	*1962.0*	2027.7	2318.8	2185.5	1925.1	2136.3	2368.0
60°	1980.5	1988.7	2007.2	2054.3	*2132.2*	2232.7	2493.0	2298.3	1978.4	2208.1	2355.7
62.5°	2275.7	2228.6	2220.4	2232.7	*2386.4*	2503.3	2663.2	2398.7	2001.0	2210.1	2226.5
65°	2575.1	2556.6	2493.0	2523.8	*2747.3*	2853.9	2882.6	2464.3	1955.9	2083.0	1939.5
67.5°	2884.6	2882.6	2814.9	2903.1	*3171.7*	3296.7	3126.6	2452.0	1808.3	1785.7	1490.5
70°	3202.4	3216.8	3216.8	3466.9	*3833.9*	3866.7	3399.2	2335.2	1515.1	1265.0	871.3
72.5°	3341.8	3350.0	3423.8	3979.4	*4565.8*	4576.1	3555.1	1982.5	1033.3	674.5	438.7
75°	*2642.7*	*2704.2*	*2903.1*	*3831.8*	*4592.5*	*4551.5*	*3167.6*	*1269.1*	*504.4*	*336.2*	*244.0*
77.5°	1037.4	1060.0	1463.8	2439.7	*3345.9*	3386.9	2050.2	506.4	256.3	213.2	176.3
80°	293.2	307.5	518.7	969.7	*1652.5*	1826.7	816.0	219.4	172.2	155.8	127.1
82.5°	104.6	118.9	192.7	371.1	*705.3*	744.2	221.4	108.7	110.7	100.5	77.9
85°	14.4	12.3	26.7	67.7	*155.8*	131.2	36.9	28.7	45.1	47.2	32.8
87.5°	0.0	0.0	0.0	2.1	*2.1*	2.1	0.0	0.0	0.0	2.1	2.1
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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CATALOG NUMBER: ISS-SA1E-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	898.0	898.0	898.0	898.0	898.0	898.0	898.0	898.0	898.0	898.0	898.0
2.5°	904.1	908.2	916.4	920.5	924.6	932.8	930.8	934.9	934.9	932.8	936.9
5°	912.3	922.6	932.8	936.9	939.0	939.0	928.7	922.6	920.5	918.5	920.5
7.5°	920.5	934.9	945.1	943.1	934.9	920.5	908.2	898.0	887.7	883.6	887.7
10°	934.9	949.2	955.4	941.0	918.5	895.9	877.5	863.1	846.7	844.7	846.7
12.5°	947.2	965.6	965.6	932.8	902.1	871.3	842.6	820.1	799.6	793.4	793.4
15°	967.7	982.0	967.7	922.6	879.5	840.6	799.6	770.9	746.3	736.0	738.1
17.5°	990.2	1000.5	963.6	906.2	854.9	803.7	750.4	711.4	693.0	682.7	684.8
20°	1016.9	1019.0	963.6	885.7	818.0	750.4	693.0	664.3	652.0	645.8	647.9
22.5°	1051.8	1043.6	957.4	859.0	770.9	697.1	643.8	635.6	635.6	635.6	641.7
25°	1088.7	1066.1	947.2	824.2	709.4	633.5	613.0	623.3	631.5	631.5	635.6
27.5°	1125.6	1088.7	926.7	772.9	637.6	588.4	596.6	613.0	621.2	621.2	625.3
30°	1170.7	1115.3	902.1	703.2	570.0	557.7	578.2	598.7	611.0	611.0	615.1
32.5°	1228.1	1137.9	865.2	631.5	524.9	531.0	553.6	576.1	590.5	594.6	596.6
35°	1291.6	1168.6	813.9	551.5	494.1	510.5	529.0	549.5	561.8	565.9	565.9
37.5°	1357.2	1199.4	746.3	483.8	467.4	490.0	508.5	518.7	526.9	526.9	526.9
40°	1422.8	1215.8	658.1	430.5	440.8	473.6	490.0	485.9	483.8	477.7	479.7
42.5°	1490.5	1228.1	563.8	391.6	414.1	455.1	467.4	457.2	440.8	430.5	432.6
45°	1564.3	1246.5	485.9	362.9	387.5	438.7	451.0	430.5	410.0	393.6	389.5
47.5°	1648.4	1277.3	416.2	336.2	371.1	428.5	440.8	412.1	385.4	362.9	358.8
50°	1763.2	1324.4	362.9	317.8	360.8	422.3	432.6	395.7	364.9	336.2	334.2
52.5°	1880.0	1359.3	326.0	301.4	348.5	410.0	422.3	383.4	346.5	315.7	311.6
55°	1966.1	1355.2	293.2	285.0	332.1	393.6	412.1	369.0	321.9	293.2	289.1
57.5°	2003.1	1271.1	266.5	270.6	313.7	373.1	395.7	346.5	303.4	278.8	276.8
60°	1939.5	1135.8	248.1	254.2	293.2	346.5	364.9	330.1	291.1	268.6	266.5
62.5°	1828.8	984.1	233.7	241.9	272.7	321.9	346.5	309.6	274.7	258.3	256.3
65°	1566.4	818.0	219.4	227.6	254.2	297.3	330.1	297.3	262.4	246.0	244.0
67.5°	1183.0	588.4	205.0	213.2	237.8	278.8	315.7	280.9	244.0	231.7	231.7
70°	705.3	360.8	186.6	198.9	217.3	256.3	293.2	258.3	221.4	217.3	213.2
72.5°	344.4	229.6	170.2	180.4	194.8	227.6	260.4	229.6	192.7	182.5	180.4
75°	*207.1*	*166.1*	*147.6*	*159.9*	*170.2*	*190.7*	*219.4*	*196.8*	*168.1*	*151.7*	*149.7*
77.5°	149.7	125.1	125.1	137.4	137.4	157.9	188.6	168.1	141.5	131.2	129.2
80°	106.6	94.3	102.5	110.7	106.6	133.3	159.9	141.5	114.8	106.6	104.6
82.5°	69.7	65.6	77.9	75.9	75.9	102.5	131.2	106.6	84.1	69.7	65.6
85°	28.7	32.8	45.1	43.1	43.1	57.4	67.7	55.4	39.0	30.8	30.8
87.5°	0.0	2.1	6.2	4.1	4.1	6.2	2.1	2.1	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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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

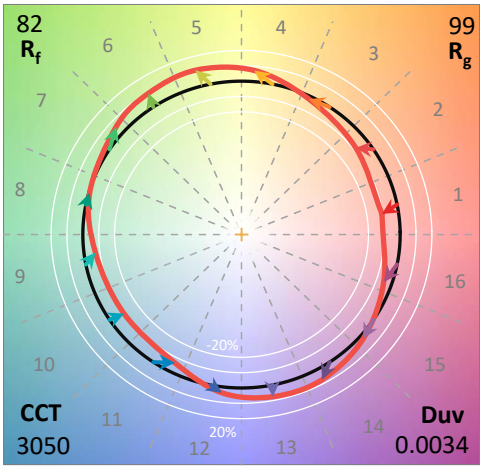
Test Information

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

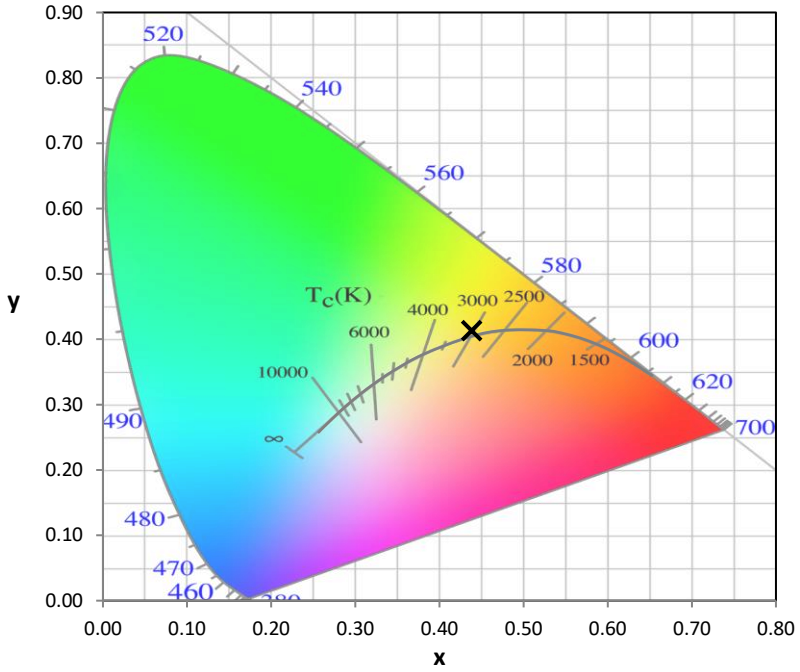
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

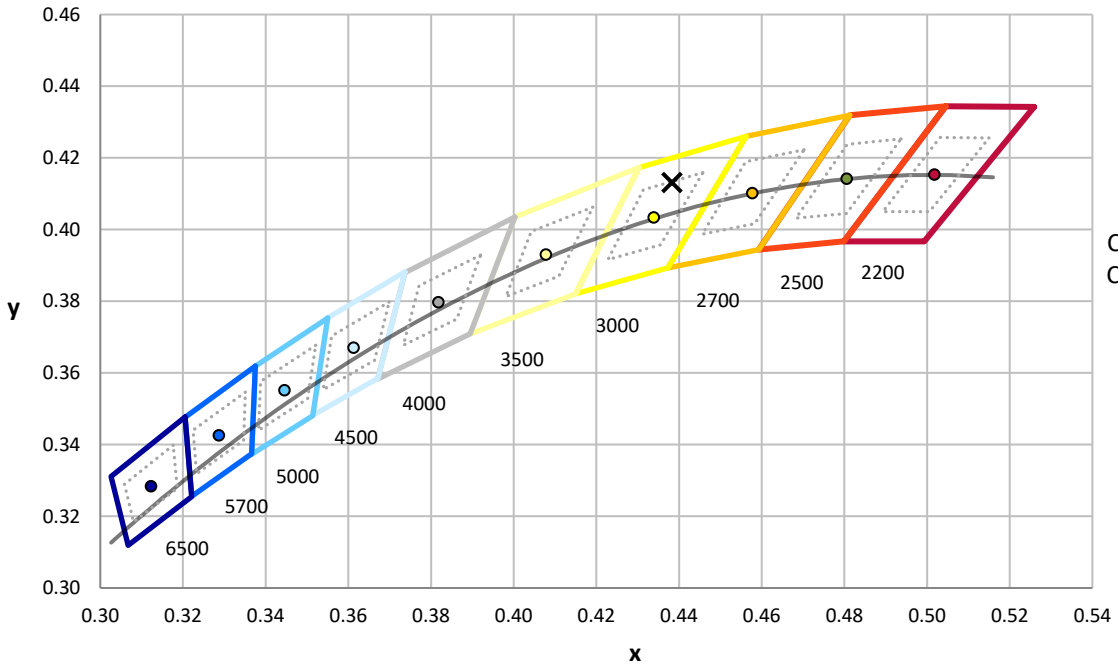
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

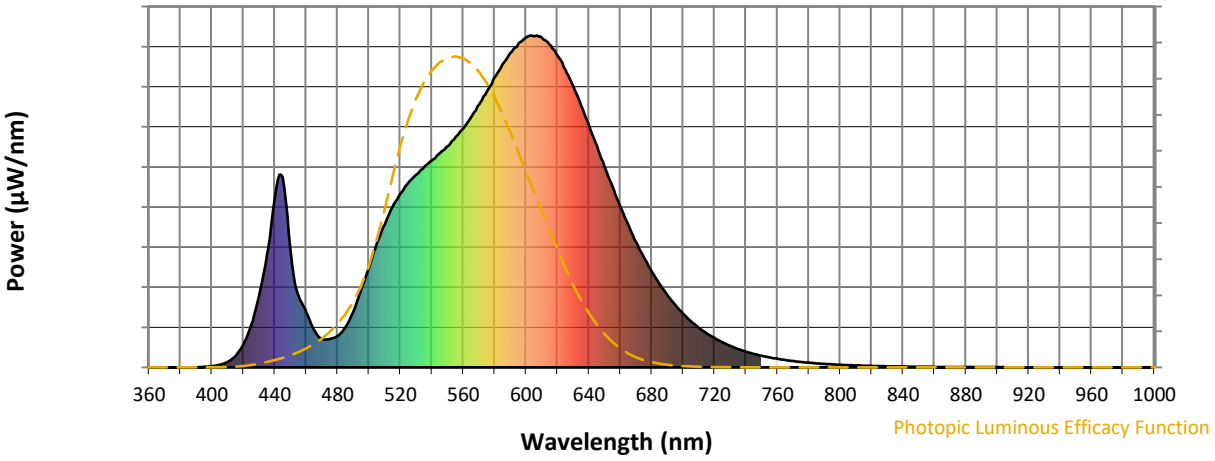


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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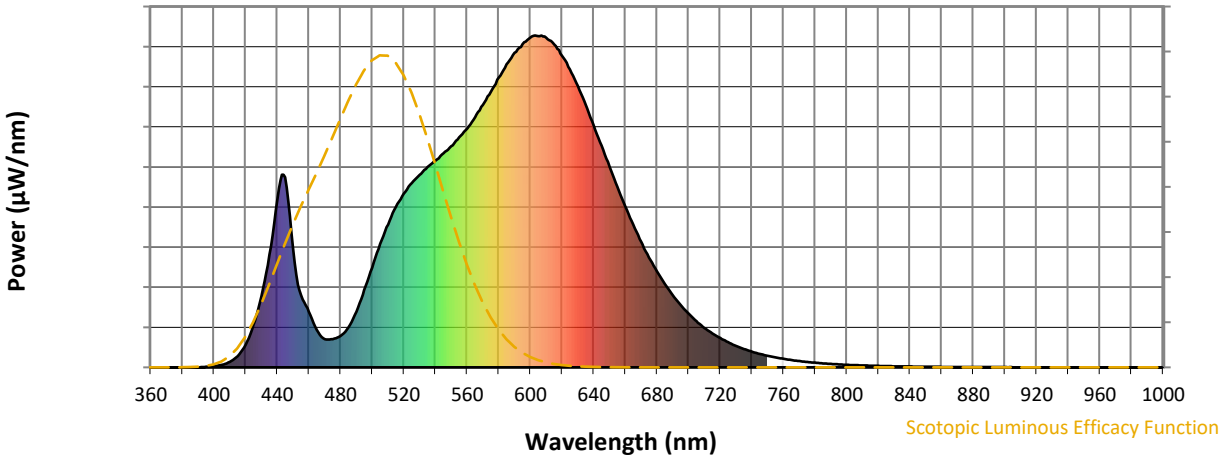
Scotopic Flux vs. Wavelength



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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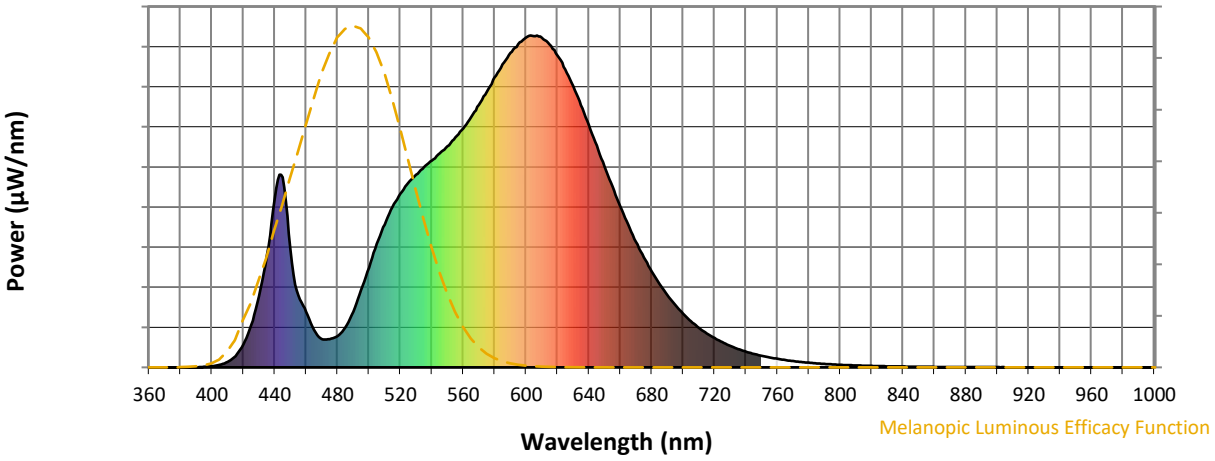
Melanopic Flux vs. Wavelength



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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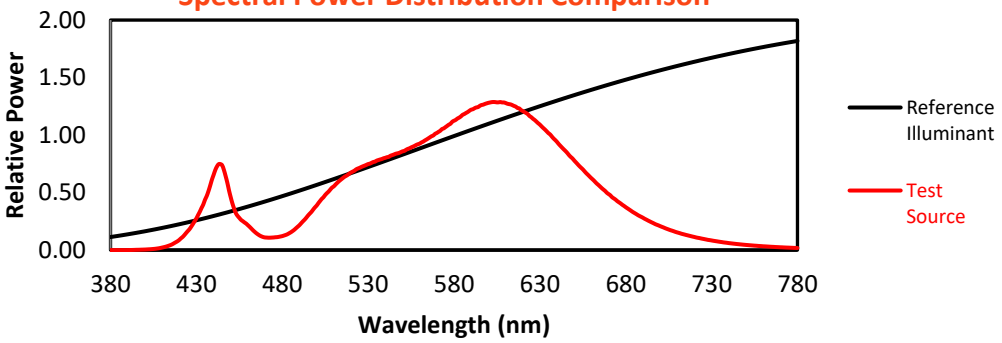
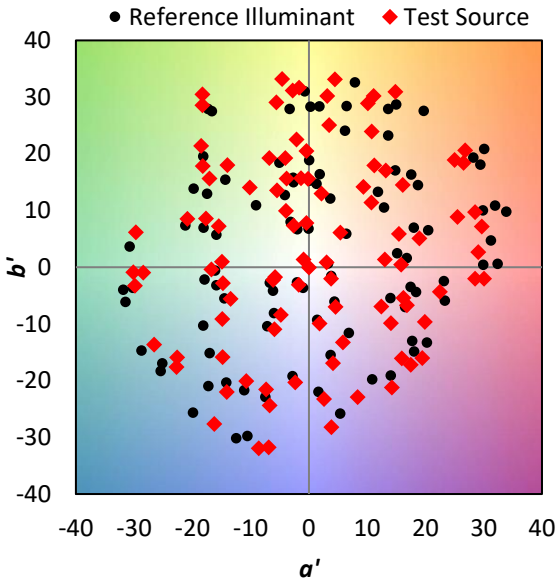
Summary

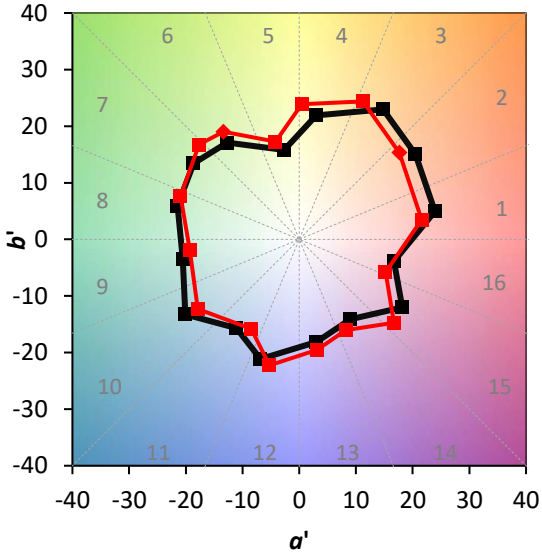
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

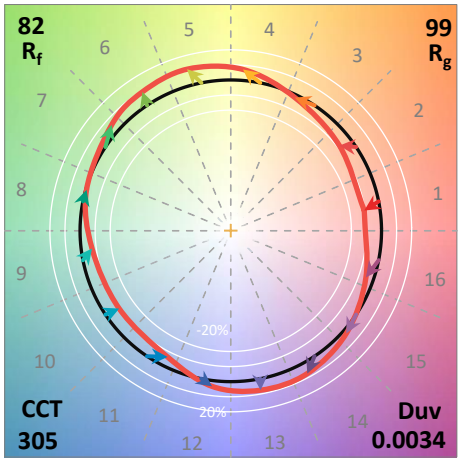
Spectral Power Distribution Comparison

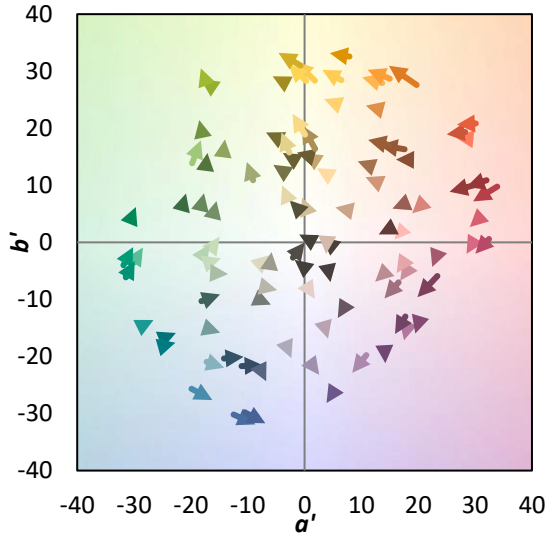


Color Vector Graphics









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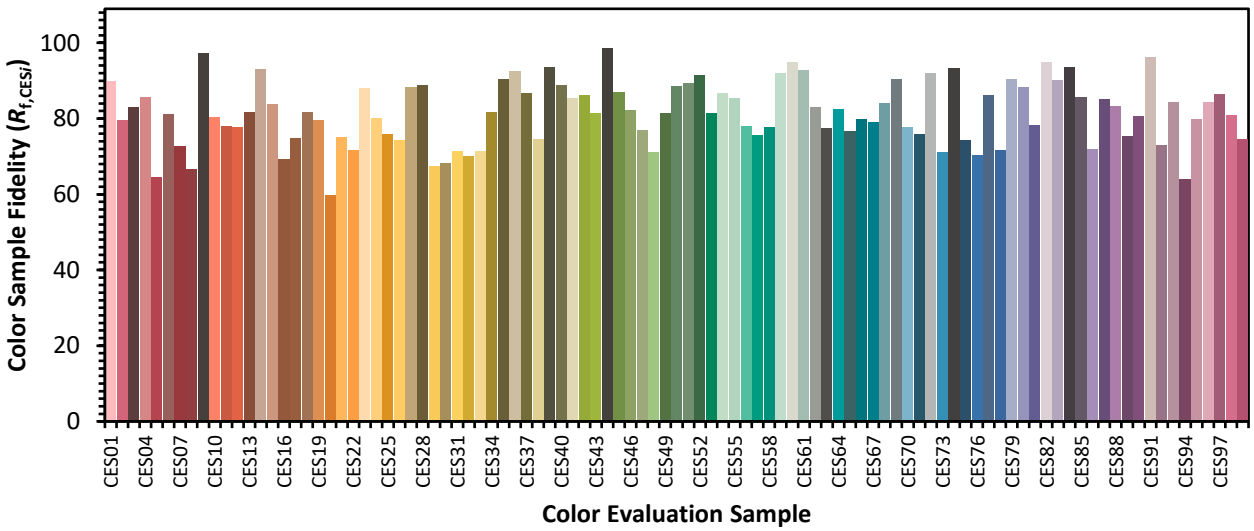
Individual Sample Fidelity Index ($R_{f,i}$)

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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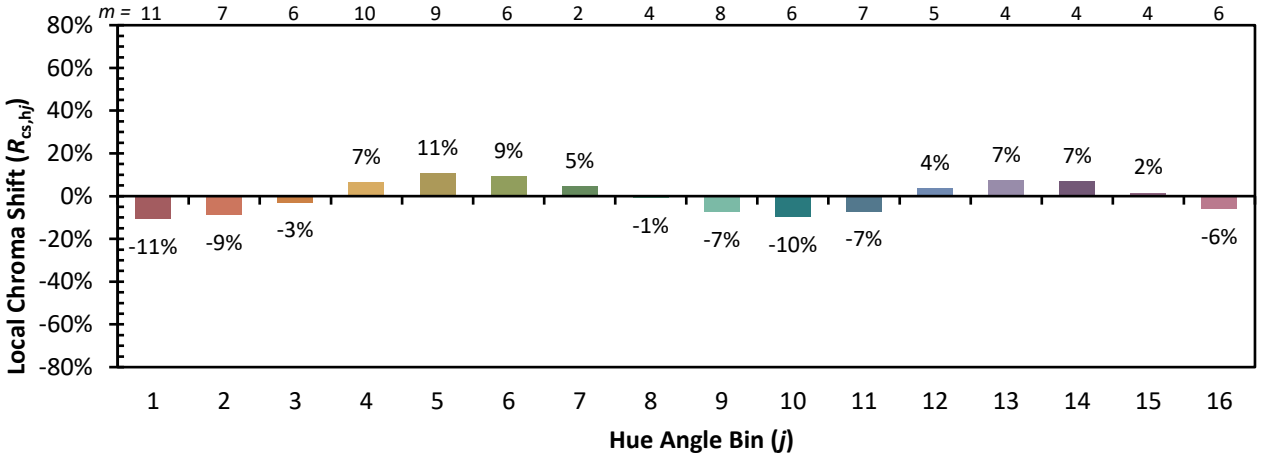
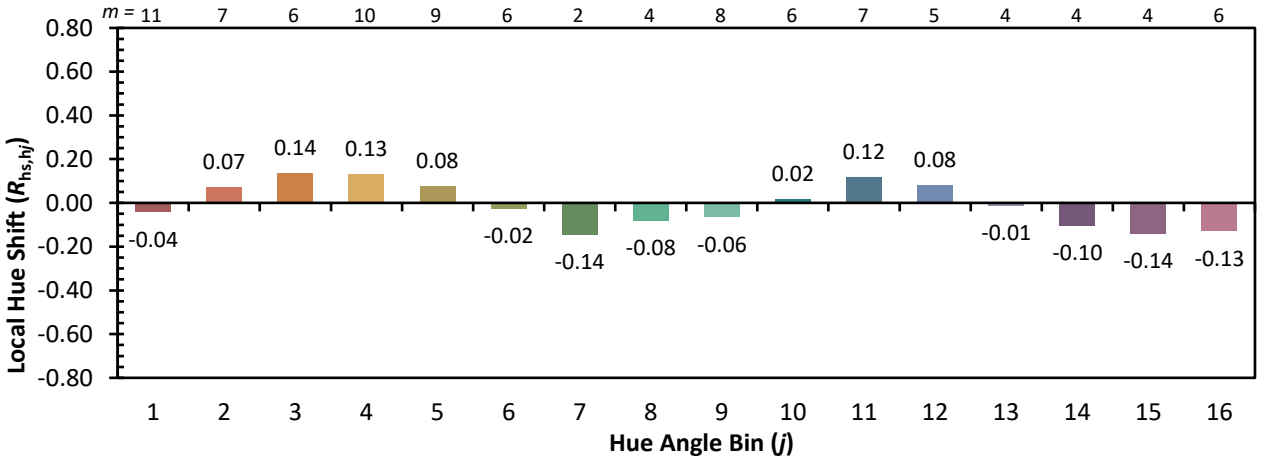
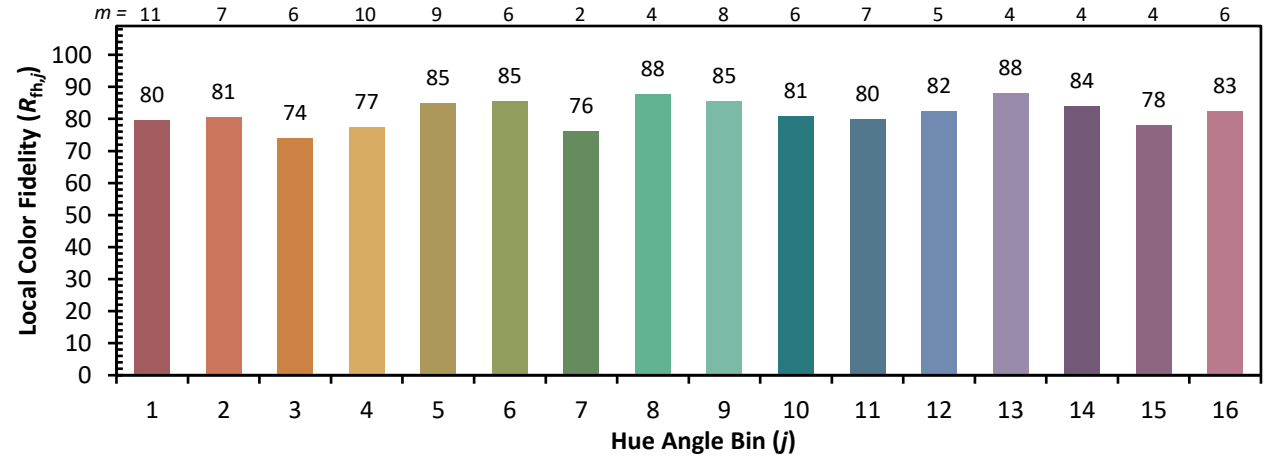
Color Rendition by Hue-Angle Bin







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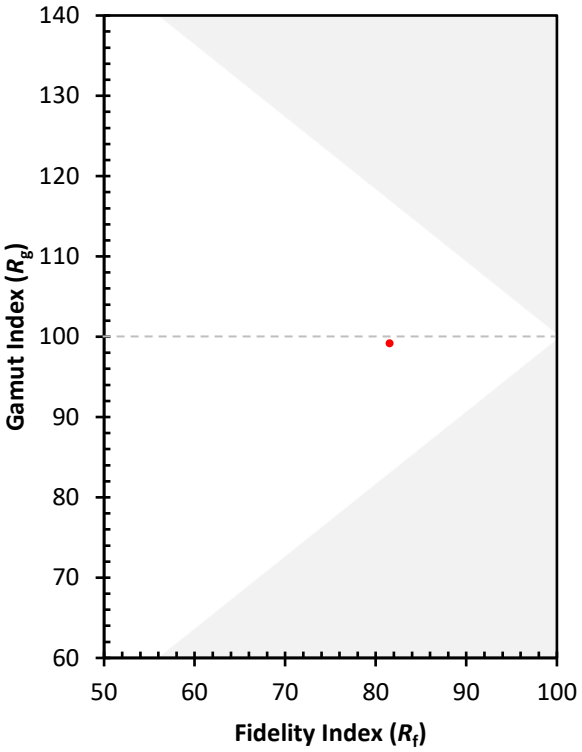
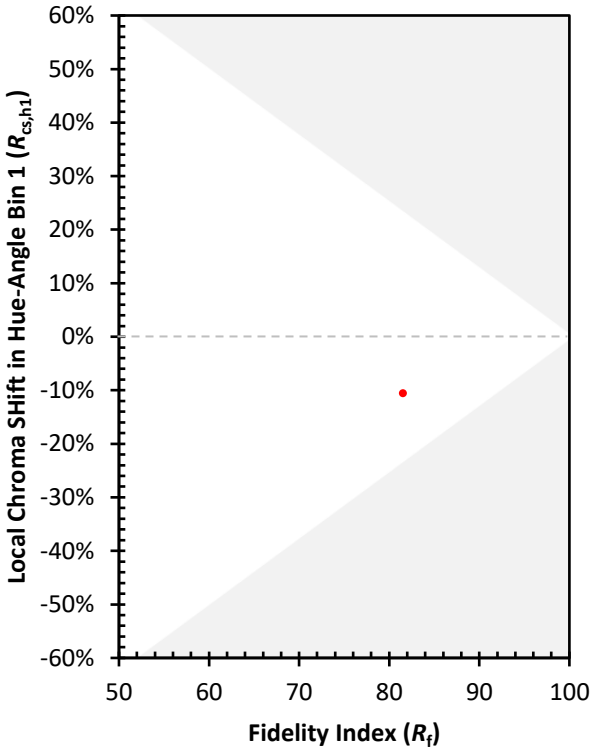
Measure Comparisons





(END OF REPORT)