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: P437605

Luminaire Tested: **ISS-SA1D-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:	P437605
	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-SA1D-830-U-T4FT
Description:	IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4508 lumens
Efficiency:	N/A
Efficacy:	99.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	45.2
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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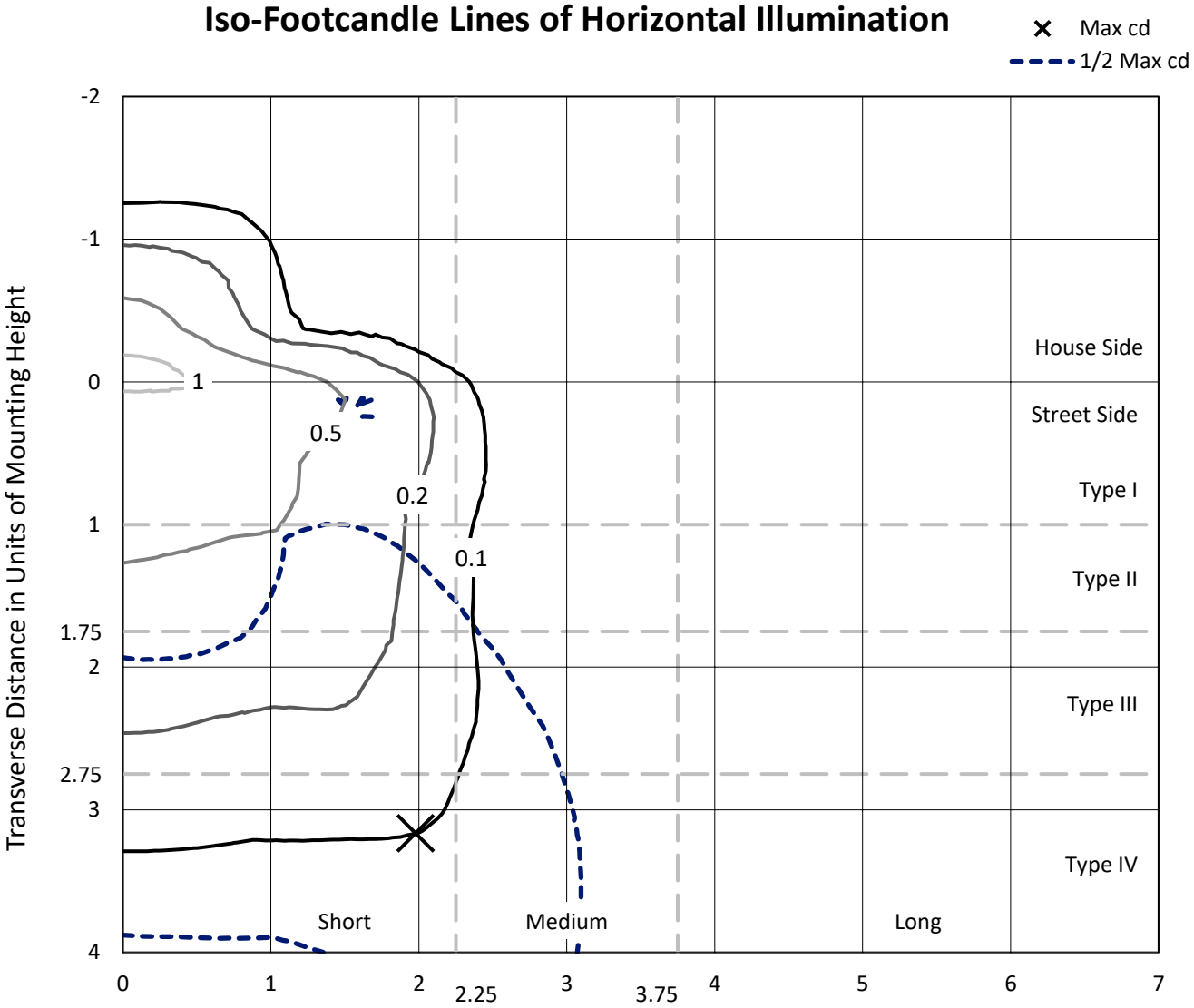
REPORT NUMBER: P437605
CATALOG NUMBER: ISS-SA1D-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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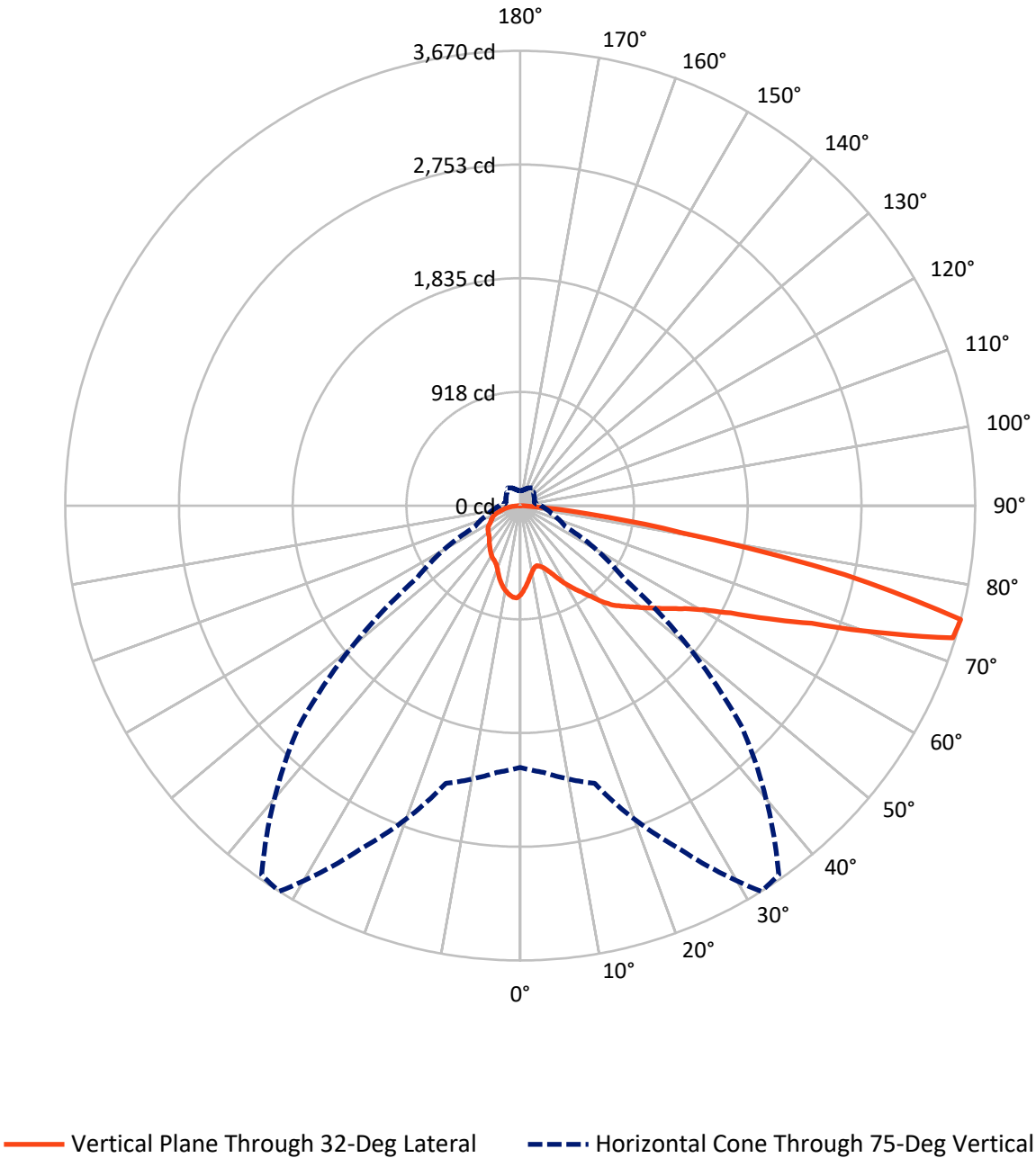
Luminous Intensity Polar Plot



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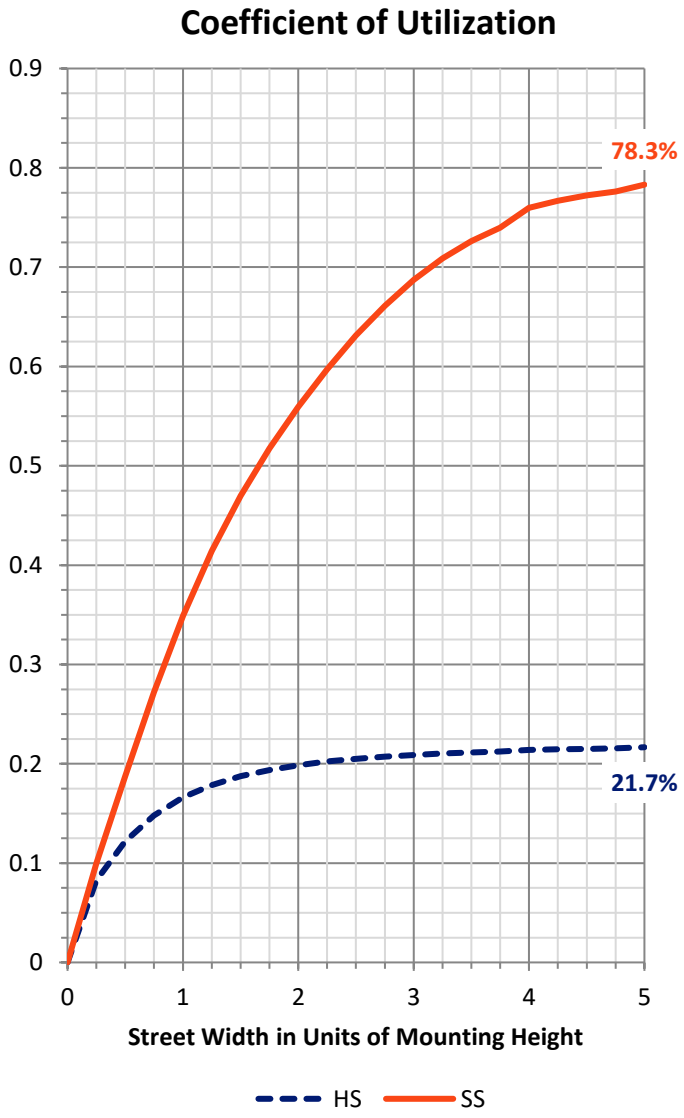
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	987.8	0.0	987.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	3520.2	0.0	3520.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	4508.0	0.0	4508.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.4
10°-20°	178.1	4.0
20°-30°	294.8	6.5
30°-40°	439.4	9.7
40°-50°	625.6	13.9
50°-60°	860.7	19.1
60°-70°	1084.6	24.1
70°-80°	876.8	19.5
80°-90°	82.8	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°	4508.0	100.0
0°-180°	4508.0	100.0



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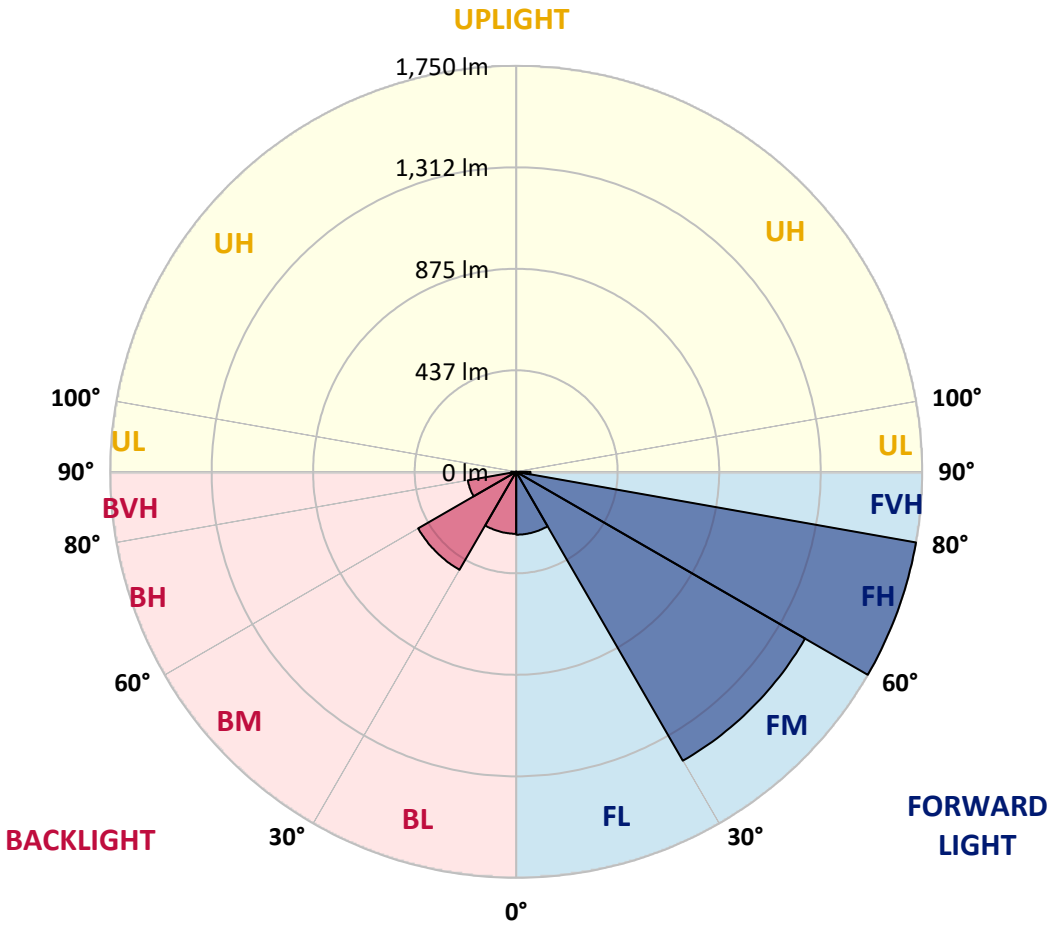
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	271.0	6.0			
FM	(30°-60°)	1437.7	31.9			
FH	(60°-80°)	1749.9	38.8			G1/1800
FVH	(80°-90°)	61.5	1.4			G1/100
BL	(0°-30°)	267.0	5.9	B1/500		
BM	(30°-60°)	487.9	10.8	B1/1000		
BH	(60°-80°)	211.5	4.7	B1/500		G1/500
BVH	(80°-90°)	21.3	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-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	655.4	660.3	661.9	665.2	671.8	668.5	676.7	686.5	699.6	706.2	719.3
5°	599.7	599.7	604.6	612.8	624.2	624.2	639.0	657.0	679.9	698.0	720.9
7.5°	550.5	550.5	555.4	565.3	576.7	584.9	602.9	630.8	661.9	696.3	725.8
10°	509.5	511.2	514.5	524.3	539.0	547.2	573.4	604.6	645.5	689.8	730.7
12.5°	494.8	493.2	491.5	499.7	511.2	517.7	547.2	586.6	634.1	688.1	740.6
15°	506.3	503.0	498.1	498.1	503.0	506.3	530.8	571.8	624.2	686.5	752.0
17.5°	535.8	532.5	521.0	509.5	512.8	514.5	530.8	563.6	619.3	693.1	768.4
20°	576.7	571.8	552.1	537.4	534.1	534.1	544.0	568.5	622.6	706.2	789.7
22.5°	625.9	621.0	598.0	571.8	568.5	566.9	571.8	588.2	632.4	720.9	822.5
25°	691.4	686.5	658.6	625.9	614.4	612.8	607.9	617.7	648.8	740.6	845.4
27.5°	761.9	763.5	730.7	686.5	675.0	670.1	657.0	655.4	668.5	756.9	884.7
30°	827.4	824.1	789.7	753.7	737.3	730.7	709.4	699.6	691.4	781.5	930.6
32.5°	858.5	863.4	847.1	812.7	799.5	788.1	763.5	747.1	735.7	819.2	986.3
35°	911.0	912.6	906.0	884.7	858.5	850.3	827.4	815.9	791.4	865.1	1053.5
37.5°	963.4	968.3	966.7	953.6	930.6	922.4	902.8	897.9	848.7	922.4	1137.1
40°	1042.0	1033.8	1022.4	1027.3	1019.1	1014.2	1006.0	989.6	929.0	984.7	1219.0
42.5°	1127.2	1112.5	1071.5	1084.6	1096.1	1101.0	1112.5	1094.5	1012.5	1078.1	1286.2
45°	1196.0	1184.6	1130.5	1133.8	1156.7	1173.1	1227.2	1217.3	1120.7	1179.7	1376.3
47.5°	1235.4	1225.5	1187.9	1204.2	1219.0	1241.9	1346.8	1338.6	1222.3	1289.4	1484.4
50°	1291.1	1274.7	1238.6	1268.1	1294.4	1312.4	1463.1	1459.8	1309.1	1402.5	1607.3
52.5°	1322.2	1305.8	1302.5	1343.5	1374.6	1399.2	1587.6	1577.8	1394.3	1515.5	1723.6
55°	1364.8	1368.1	1389.4	1420.5	1464.7	1505.7	1708.9	1659.7	1472.9	1627.0	1838.3
57.5°	1458.2	1454.9	1495.9	1510.6	1568.0	1620.4	1853.1	1746.6	1538.5	1707.2	1892.4
60°	1582.7	1589.3	1604.0	1641.7	1704.0	1784.2	1992.3	1836.7	1581.1	1764.6	1882.5
62.5°	1818.6	1781.0	1774.4	1784.2	1907.1	2000.5	2128.3	1917.0	1599.1	1766.2	1779.3
65°	2057.9	2043.1	1992.3	2016.9	2195.5	2280.7	2303.6	1969.4	1563.1	1664.6	1549.9
67.5°	2305.3	2303.6	2249.6	2320.0	2534.6	2634.6	2498.6	1959.5	1445.1	1427.1	1191.1
70°	2559.2	2570.7	2570.7	2770.6	3063.8	3090.1	2716.5	1866.2	1210.8	1010.9	696.3
72.5°	2670.6	2677.2	2736.2	3180.2	3648.8	3657.0	2841.0	1584.4	825.8	539.0	350.6
75°	2111.9	2161.1	2320.0	3062.2	3670.1	3637.3	2531.4	1014.2	403.1	268.7	195.0
77.5°	829.0	847.1	1169.8	1949.7	2673.9	2706.7	1638.4	404.7	204.8	170.4	140.9
80°	234.3	245.8	414.5	775.0	1320.6	1459.8	652.1	175.3	137.6	124.5	101.6
82.5°	83.6	95.0	154.0	296.6	563.6	594.7	176.9	86.8	88.5	80.3	62.3
85°	11.5	9.8	21.3	54.1	124.5	104.9	29.5	22.9	36.0	37.7	26.2
87.5°	0.0	0.0	0.0	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6
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: P437605
CATALOG NUMBER: ISS-SA1D-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	722.5	725.8	732.4	735.7	738.9	745.5	743.8	747.1	747.1	745.5	748.8
5°	729.1	737.3	745.5	748.8	750.4	750.4	742.2	737.3	735.7	734.0	735.7
7.5°	735.7	747.1	755.3	753.7	747.1	735.7	725.8	717.6	709.4	706.2	709.4
10°	747.1	758.6	763.5	752.0	734.0	716.0	701.2	689.8	676.7	675.0	676.7
12.5°	756.9	771.7	771.7	745.5	720.9	696.3	673.4	655.4	639.0	634.1	634.1
15°	773.3	784.8	773.3	737.3	702.9	671.8	639.0	616.0	596.4	588.2	589.8
17.5°	791.4	799.5	770.1	724.2	683.2	642.3	599.7	568.5	553.8	545.6	547.2
20°	812.7	814.3	770.1	707.8	653.7	599.7	553.8	530.8	521.0	516.1	517.7
22.5°	840.5	834.0	765.1	686.5	616.0	557.1	514.5	507.9	507.9	507.9	512.8
25°	870.0	852.0	756.9	658.6	566.9	506.3	489.9	498.1	504.6	504.6	507.9
27.5°	899.5	870.0	740.6	617.7	509.5	470.2	476.8	489.9	496.4	496.4	499.7
30°	935.5	891.3	720.9	562.0	455.5	445.7	462.0	478.4	488.2	488.2	491.5
32.5°	981.4	909.3	691.4	504.6	419.4	424.4	442.4	460.4	471.9	475.1	476.8
35°	1032.2	933.9	650.5	440.7	394.9	408.0	422.7	439.1	448.9	452.2	452.2
37.5°	1084.6	958.5	596.4	386.7	373.6	391.6	406.3	414.5	421.1	421.1	421.1
40°	1137.1	971.6	525.9	344.1	352.3	378.5	391.6	388.3	386.7	381.8	383.4
42.5°	1191.1	981.4	450.6	312.9	331.0	363.7	373.6	365.4	352.3	344.1	345.7
45°	1250.1	996.2	388.3	290.0	309.7	350.6	360.5	344.1	327.7	314.6	311.3
47.5°	1317.3	1020.7	332.6	268.7	296.6	342.4	352.3	329.3	308.0	290.0	286.7
50°	1409.0	1058.4	290.0	254.0	288.4	337.5	345.7	316.2	291.6	268.7	267.1
52.5°	1502.4	1086.3	260.5	240.8	278.5	327.7	337.5	306.4	276.9	252.3	249.0
55°	1571.2	1083.0	234.3	227.7	265.4	314.6	329.3	294.9	257.2	234.3	231.0
57.5°	1600.7	1015.8	213.0	216.3	250.7	298.2	316.2	276.9	242.5	222.8	221.2
60°	1549.9	907.7	198.2	203.2	234.3	276.9	291.6	263.8	232.7	214.6	213.0
62.5°	1461.5	786.4	186.8	193.3	217.9	257.2	276.9	247.4	219.5	206.4	204.8
65°	1251.8	653.7	175.3	181.9	203.2	237.6	263.8	237.6	209.7	196.6	195.0
67.5°	945.4	470.2	163.8	170.4	190.1	222.8	252.3	224.5	195.0	185.1	185.1
70°	563.6	288.4	149.1	158.9	173.7	204.8	234.3	206.4	176.9	173.7	170.4
72.5°	275.3	183.5	136.0	144.2	155.6	181.9	208.1	183.5	154.0	145.8	144.2
75°	*165.5*	*132.7*	*118.0*	*127.8*	*136.0*	*152.4*	*175.3*	*157.3*	*134.4*	*121.2*	*119.6*
77.5°	119.6	99.9	99.9	109.8	109.8	126.2	150.7	134.4	113.1	104.9	103.2
80°	85.2	75.4	81.9	88.5	85.2	106.5	127.8	113.1	91.8	85.2	83.6
82.5°	55.7	52.4	62.3	60.6	60.6	81.9	104.9	85.2	67.2	55.7	52.4
85°	22.9	26.2	36.0	34.4	34.4	45.9	54.1	44.2	31.1	24.6	24.6
87.5°	0.0	1.6	4.9	3.3	3.3	4.9	1.6	1.6	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

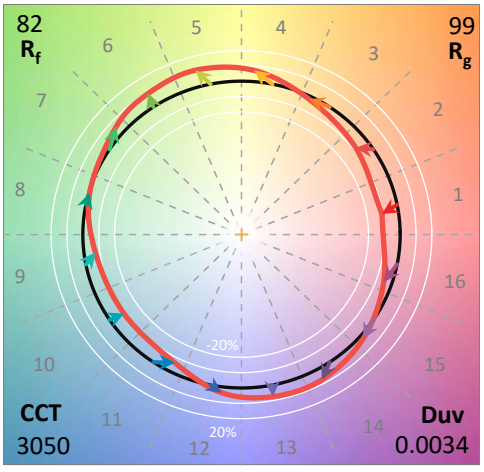
Test Information

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

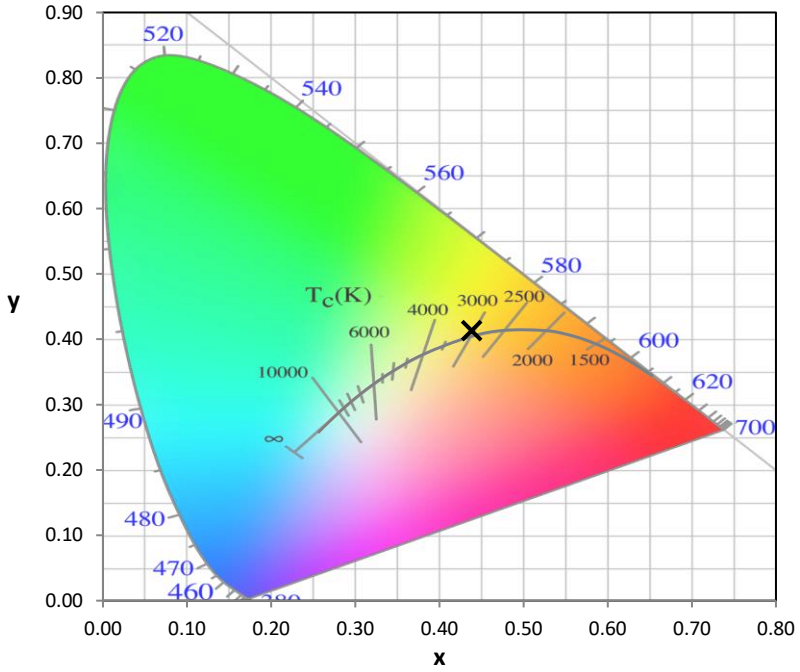
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

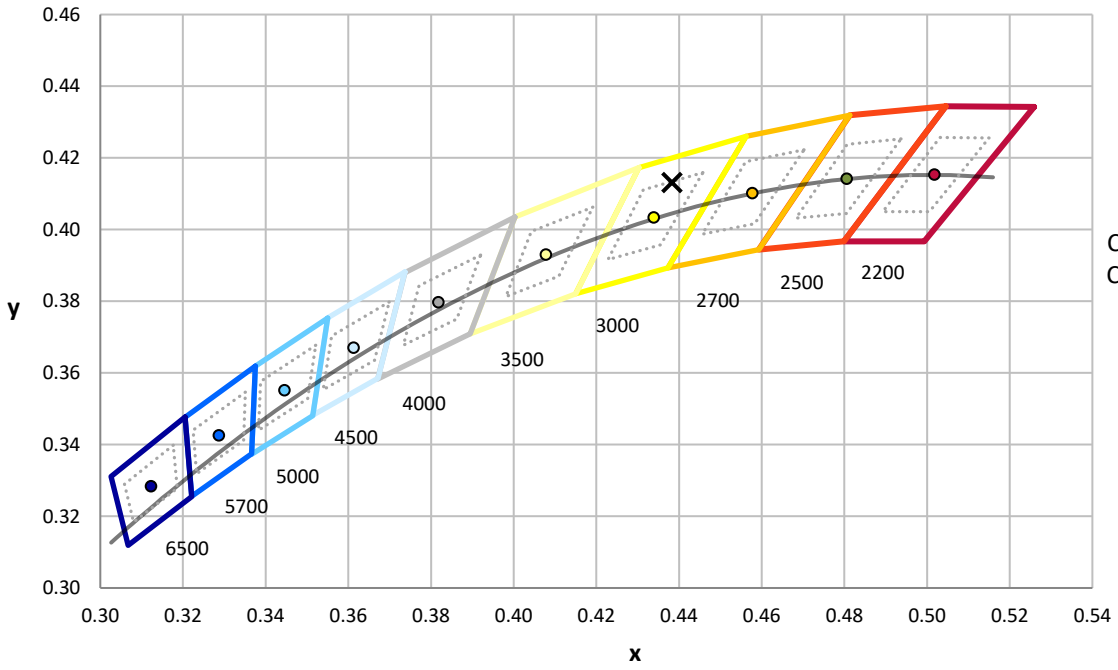
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

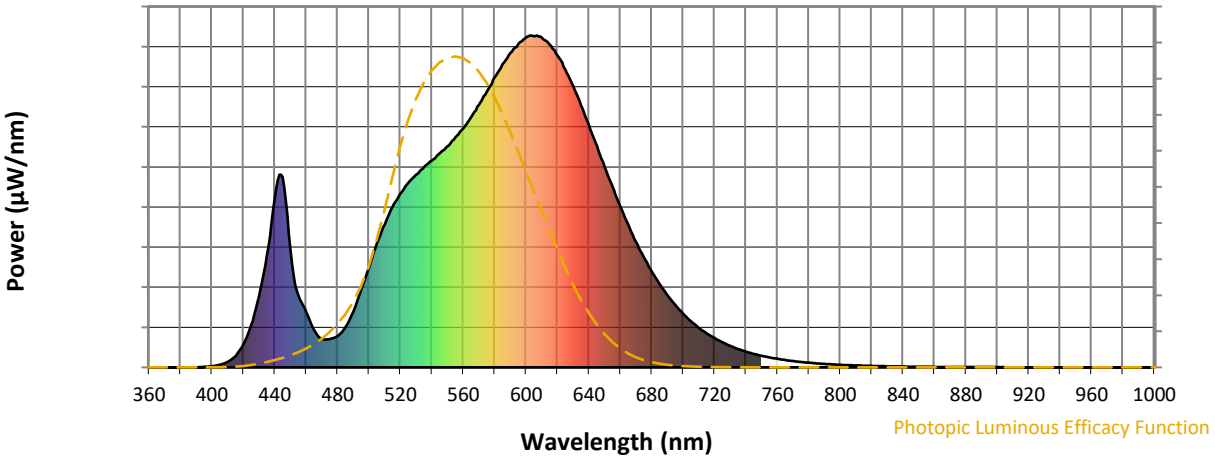


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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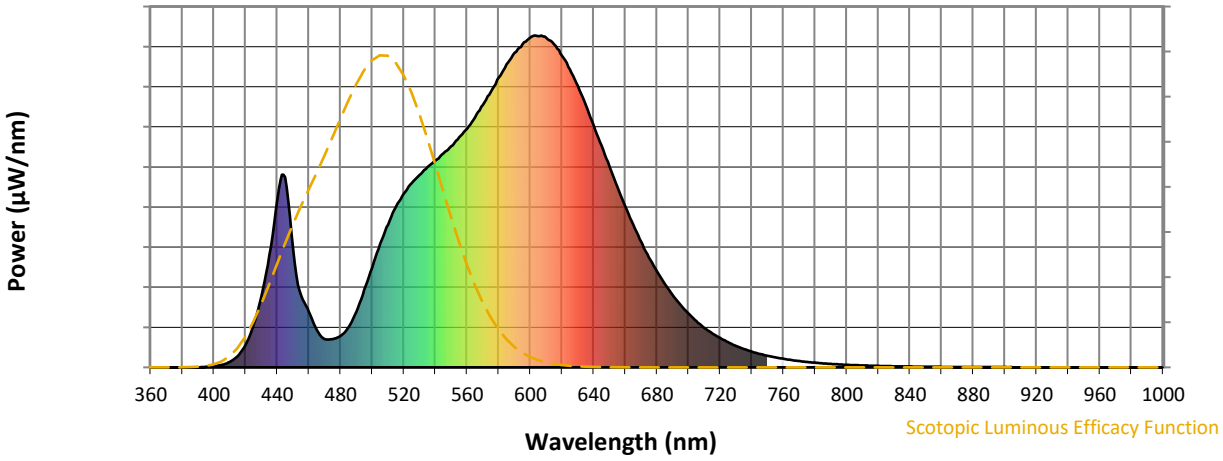
Scotopic Flux vs. Wavelength



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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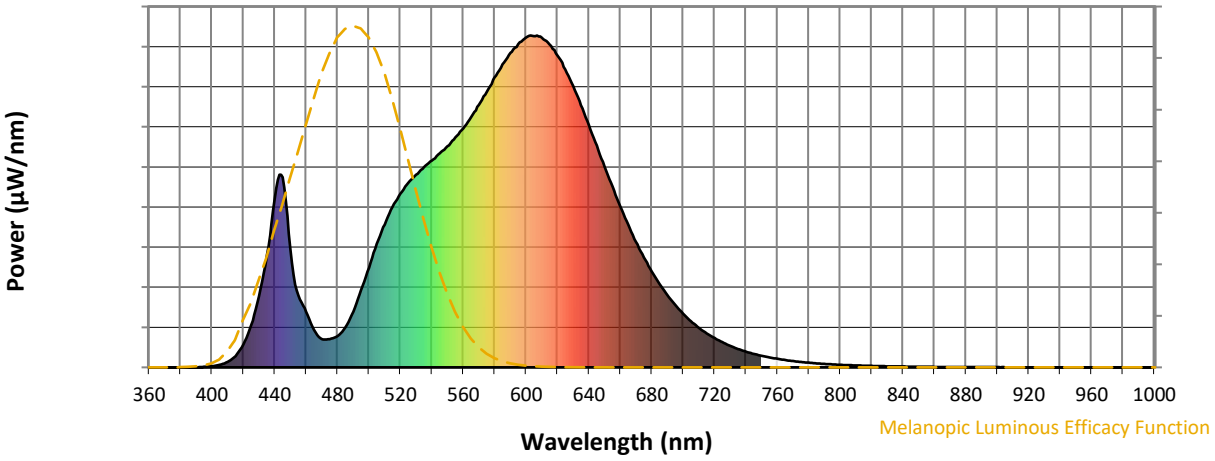
Melanopic Flux vs. Wavelength



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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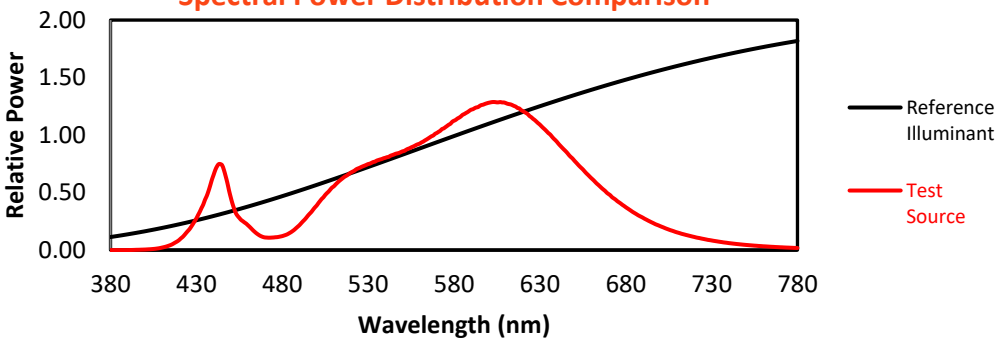
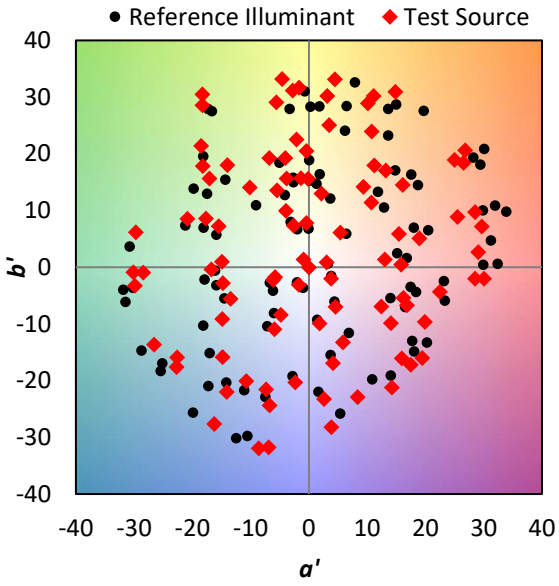
Summary

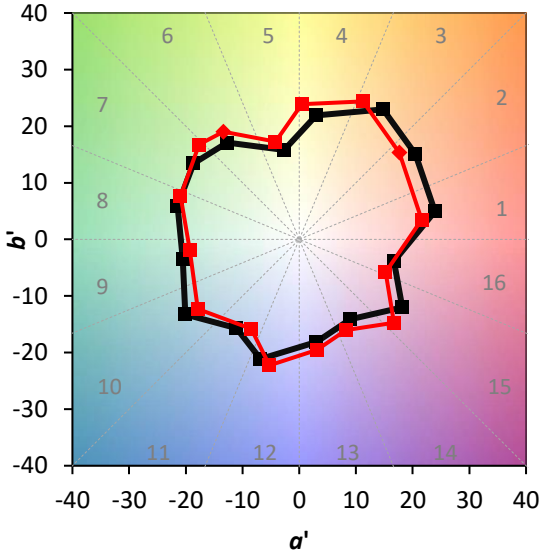
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

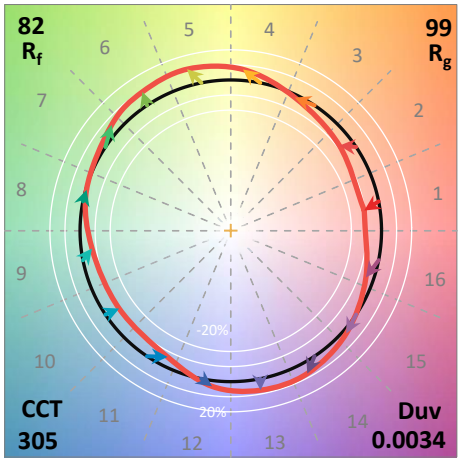
Spectral Power Distribution Comparison

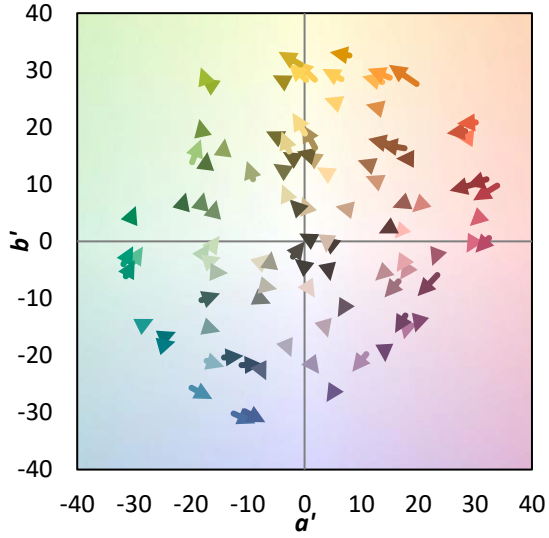


Color Vector Graphics









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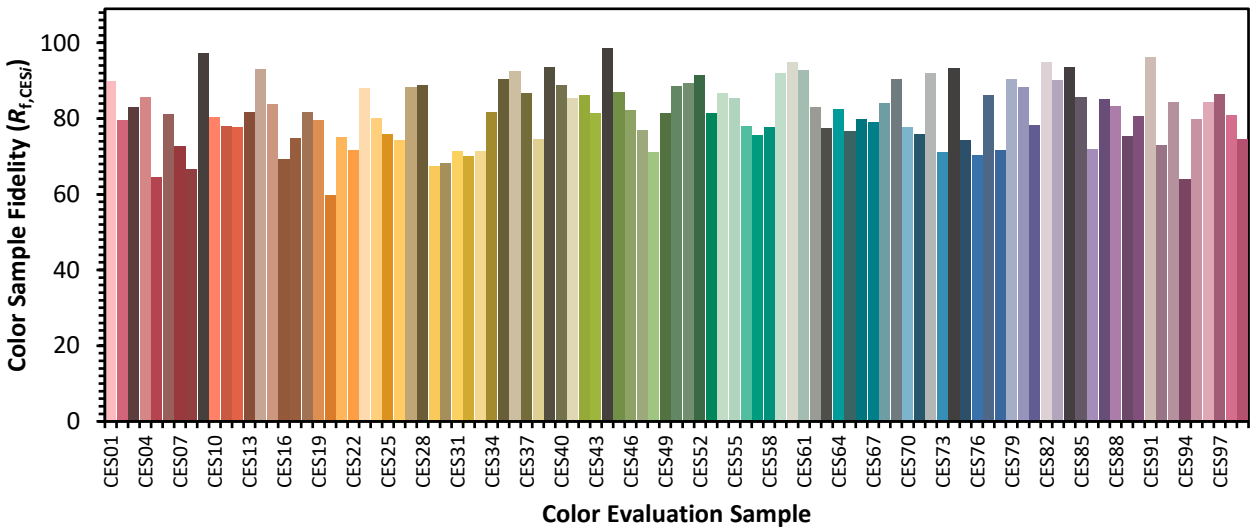
Individual Sample Fidelity Index ($R_{f,i}$)

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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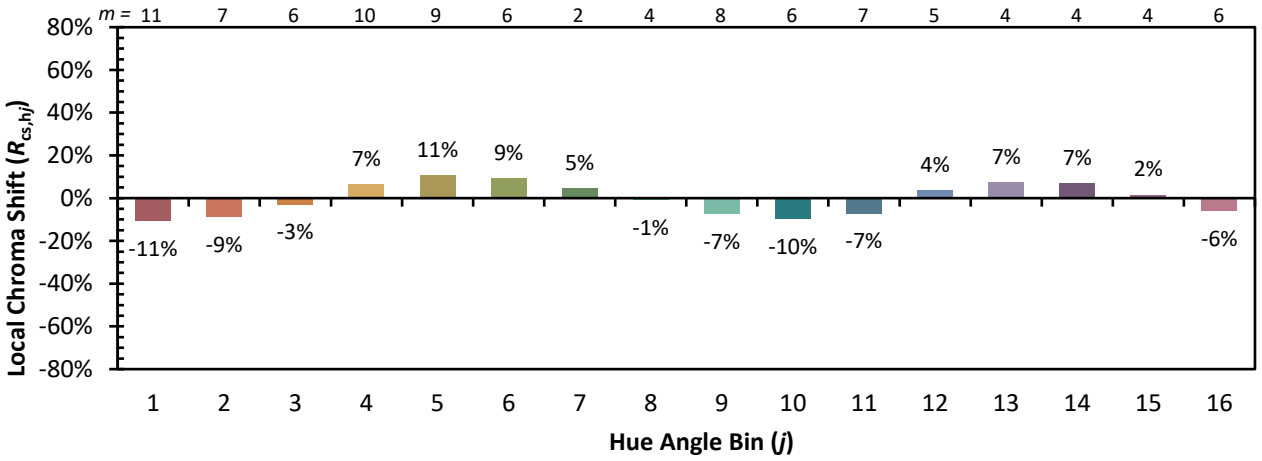
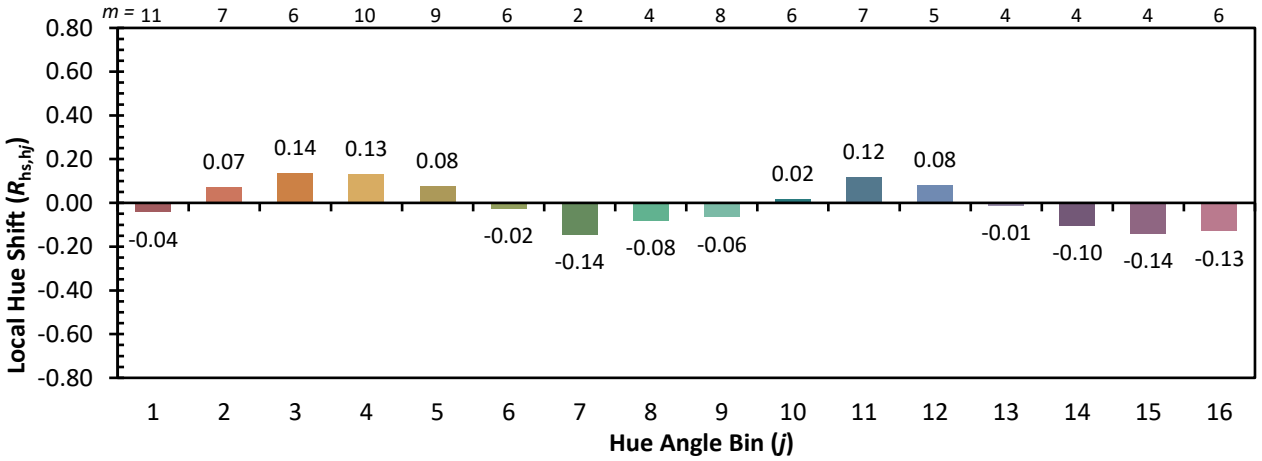
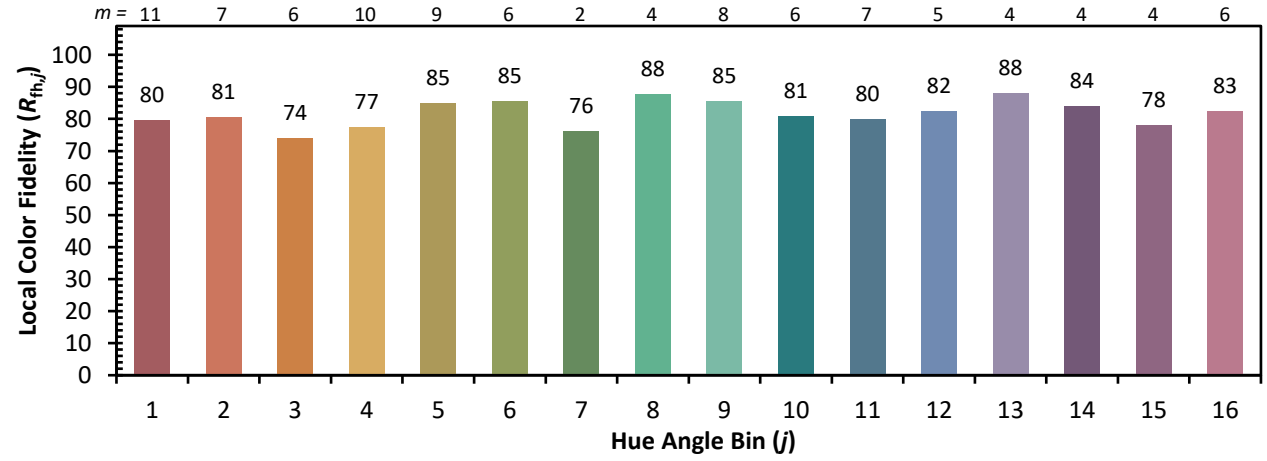
Color Rendition by Hue-Angle Bin







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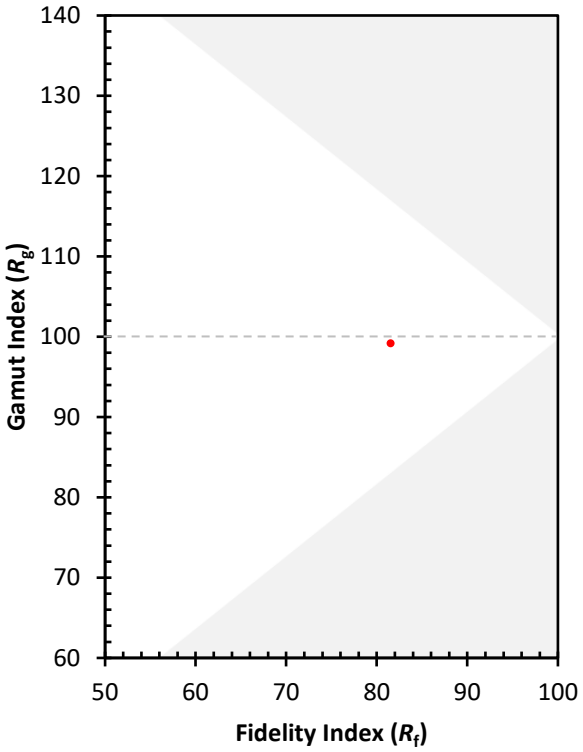
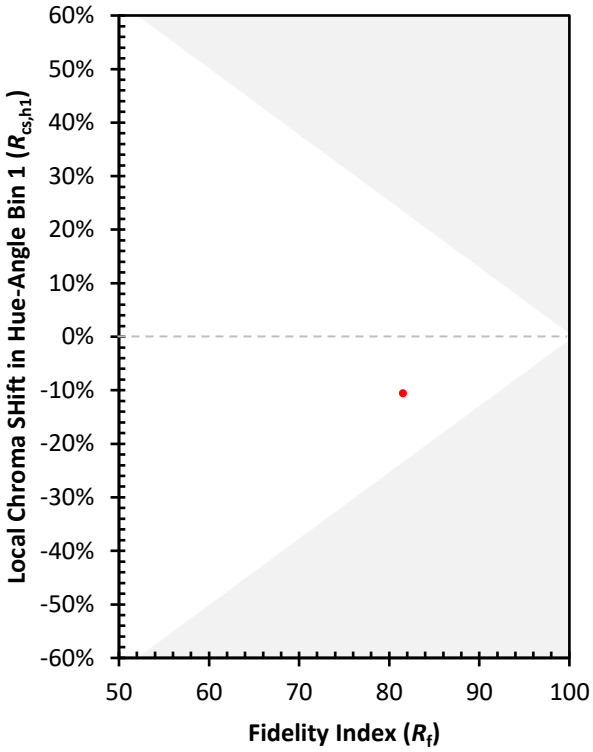
Measure Comparisons





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