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: P438629

Luminaire Tested: **ISW-SA1D-830-U-T3**

Issue Date: 12/10/2020

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:	P438629
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-8)
Test Lab:	INNOVATION CENTER
Issue Date:	12/10/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISW-SA1D-830-U-T3
Description:	IMPACT ELITE LED WEDGE LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4488 lumens
Efficiency:	N/A
Efficacy:	99.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
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: P438629
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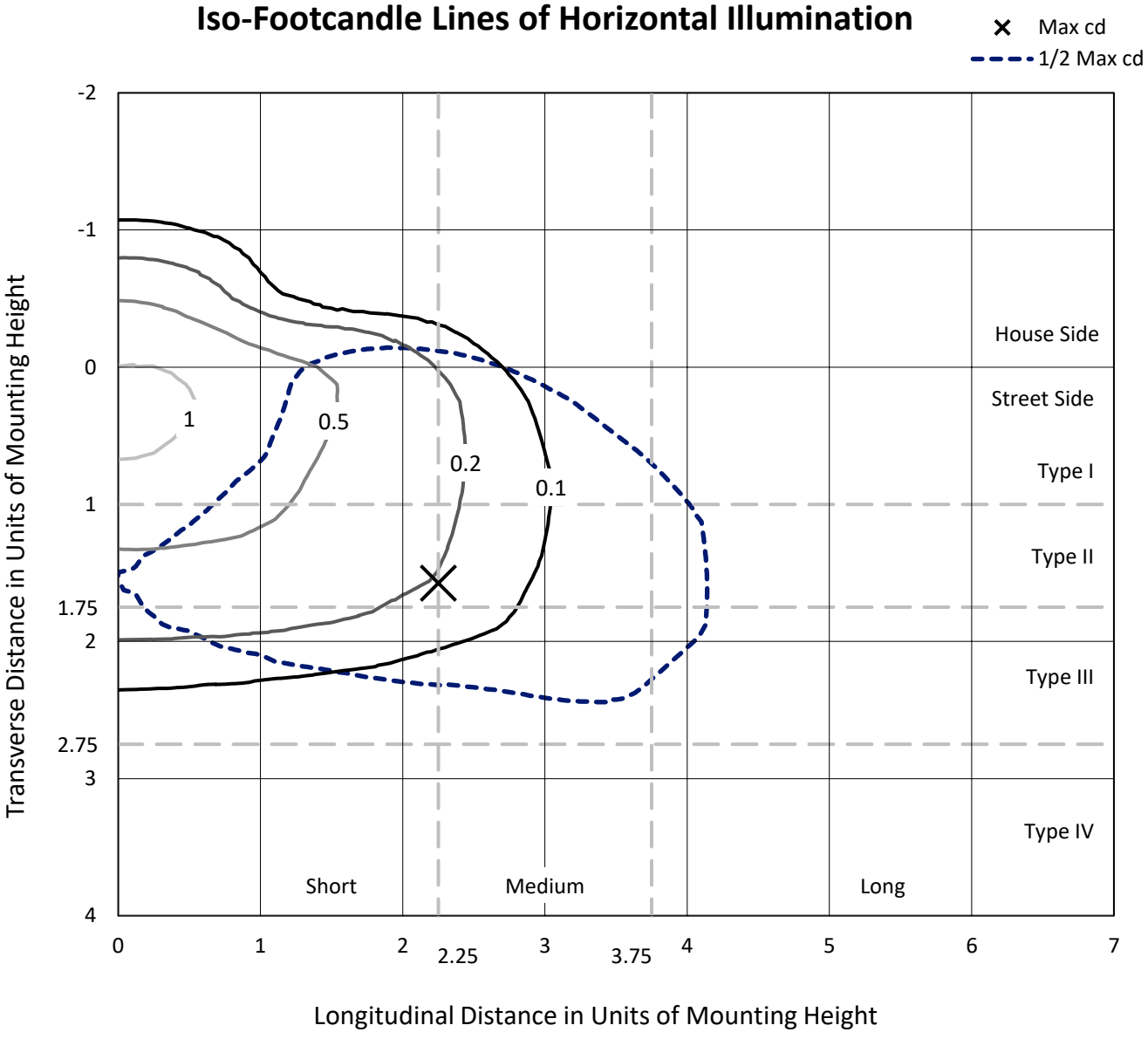
Iso-Footcandle Lines of Horizontal Illumination



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

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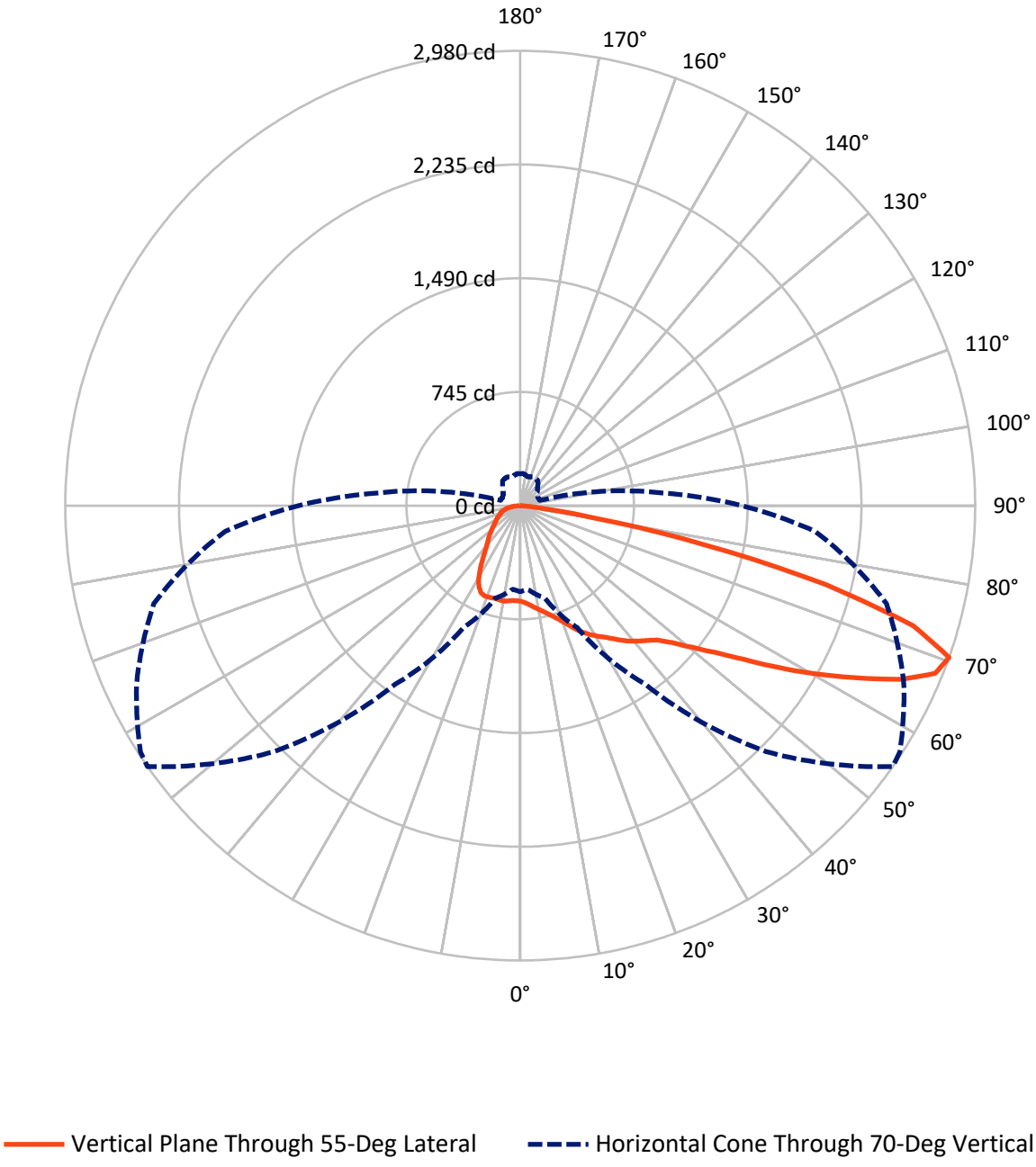
Luminous Intensity Polar Plot



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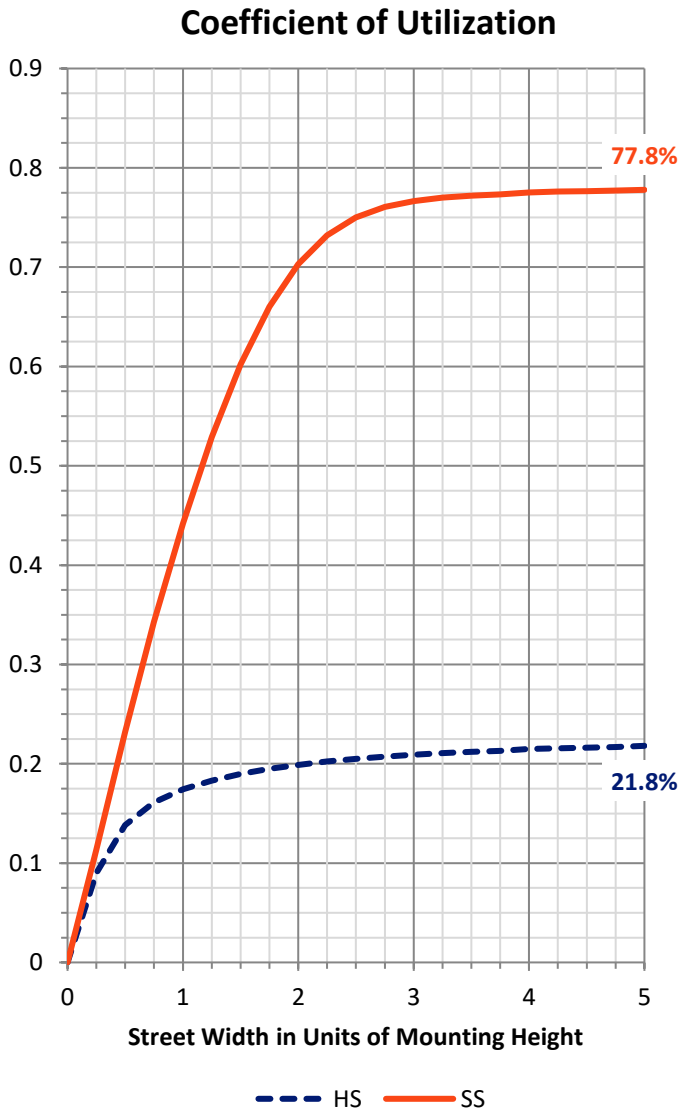
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	992.7	0.0	992.7
	% Fixture	22.1	0.0	22.1
Street Side	Lumens	3495.3	0.0	3495.3
	% Fixture	77.9	0.0	77.9
Total	Lumens	4488.0	0.0	4488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.4
10°-20°	196.5	4.4
20°-30°	341.7	7.6
30°-40°	481.6	10.7
40°-50°	638.3	14.2
50°-60°	930.0	20.7
60°-70°	1160.5	25.9
70°-80°	618.1	13.8
80°-90°	59.6	1.3
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°	4488.0	100.0
0°-180°	4488.0	100.0



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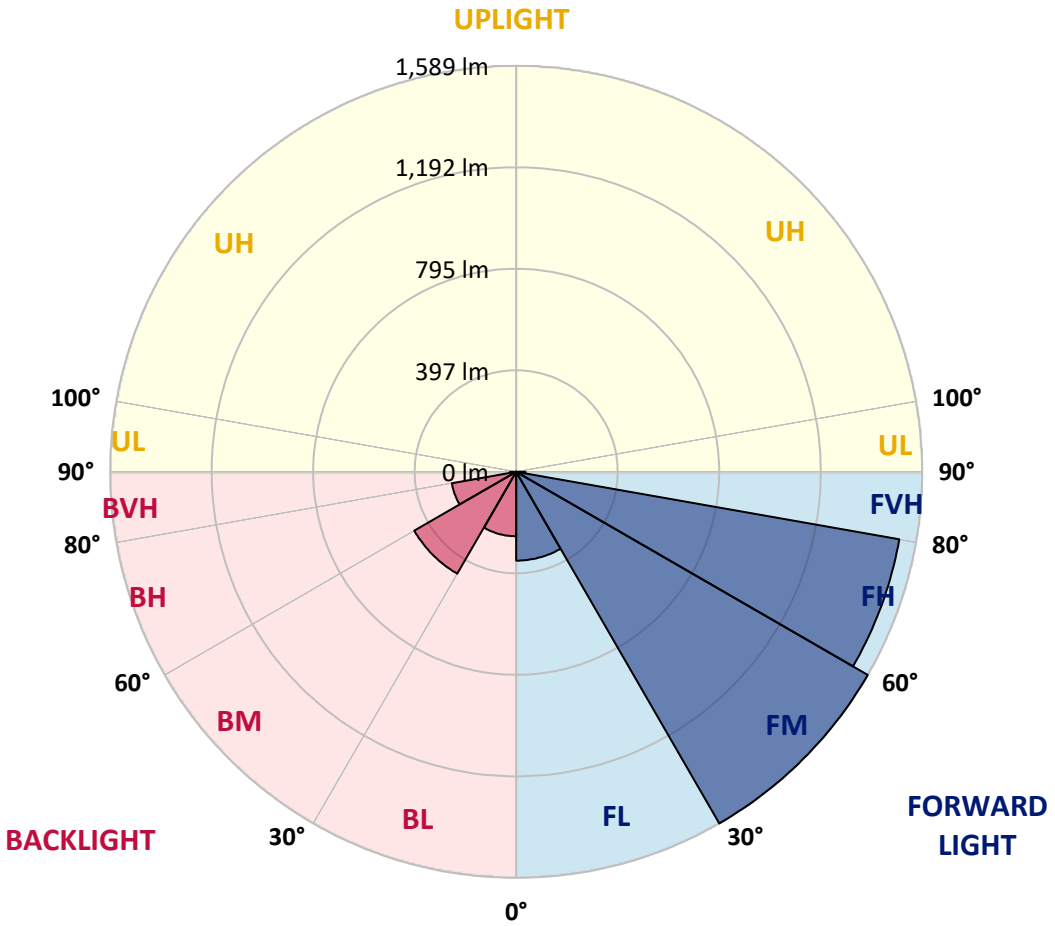
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	347.6	7.7			
FM	(30°-60°)	1589.3	35.4			
FH	(60°-80°)	1522.8	33.9			G1/1800
FVH	(80°-90°)	35.6	0.8			G1/100
BL	(0°-30°)	252.3	5.6	B1/500		
BM	(30°-60°)	460.6	10.3	B1/1000		
BH	(60°-80°)	255.8	5.7	B1/500		G1/500
BVH	(80°-90°)	24.0	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	626.8	626.8	626.8	626.8	626.8	626.8	*626.8*	626.8	626.8	626.8	626.8
2.5°	647.8	646.2	646.2	644.5	642.9	641.3	*638.1*	634.8	634.8	631.6	631.6
5°	663.9	660.7	662.3	660.7	660.7	657.5	*652.6*	652.6	651.0	642.9	636.5
7.5°	680.1	678.5	678.5	680.1	678.5	675.2	*673.6*	672.0	665.5	655.8	646.2
10°	702.7	702.7	702.7	701.1	701.1	697.8	*693.0*	693.0	684.9	673.6	662.3
12.5°	736.6	735.0	733.4	733.4	728.5	722.1	*717.2*	717.2	712.4	694.6	680.1
15°	775.4	770.5	767.3	767.3	760.8	749.5	*744.7*	746.3	741.5	720.5	699.5
17.5°	814.2	814.2	810.9	802.8	794.8	786.7	*775.4*	778.6	773.8	752.8	725.3
20°	849.7	846.5	846.5	841.6	830.3	820.6	*814.2*	812.5	809.3	786.7	754.4
22.5°	888.5	886.8	882.0	878.8	870.7	865.8	*862.6*	862.6	849.7	819.0	777.0
25°	935.3	933.7	933.7	920.8	914.3	906.2	*911.1*	906.2	899.8	854.5	801.2
27.5°	982.2	982.2	980.5	974.1	956.3	951.5	*954.7*	951.5	949.8	888.5	823.8
30°	1032.2	1030.6	1025.8	1024.2	1006.4	993.5	*991.8*	985.4	985.4	919.2	840.0
32.5°	1074.2	1072.6	1075.8	1069.4	1058.1	1040.3	*1029.0*	1029.0	1017.7	949.8	859.4
35°	1113.0	1116.2	1116.2	1113.0	1103.3	1085.5	*1074.2*	1077.5	1061.3	977.3	883.6
37.5°	1156.6	1153.4	1148.5	1145.3	1132.4	1124.3	*1124.3*	1127.5	1103.3	1006.4	915.9
40°	1166.3	1174.4	1185.7	1172.8	1166.3	1164.7	*1167.9*	1159.8	1135.6	1051.6	970.8
42.5°	1185.7	1192.1	1213.1	1208.3	1203.5	1208.3	*1208.3*	1197.0	1185.7	1113.0	1045.2
45°	1234.1	1245.5	1261.6	1263.2	1261.6	1269.7	*1255.1*	1253.5	1251.9	1201.8	1145.3
47.5°	1287.5	1300.4	1337.5	1332.7	1350.5	1366.6	*1340.8*	1339.1	1344.0	1319.8	1272.9
50°	1350.5	1363.4	1410.2	1428.0	1476.5	1505.5	*1458.7*	1437.7	1471.6	1470.0	1434.5
52.5°	1423.1	1439.3	1471.6	1533.0	1615.4	1646.1	*1596.0*	1578.2	1618.6	1638.0	1605.7
55°	1473.2	1486.1	1536.2	1631.5	1765.6	1806.0	*1776.9*	1760.8	1804.4	1820.5	1786.6
57.5°	1491.0	1494.2	1568.5	1718.8	1904.5	2007.9	*2003.1*	1991.8	1974.0	2014.4	2004.7
60°	1460.3	1478.1	1573.4	1757.5	2028.9	2224.4	*2242.1*	2216.3	2193.7	2203.4	2171.1
62.5°	1419.9	1434.5	1534.6	1762.4	2112.9	2419.8	*2486.1*	2457.0	2400.5	2374.6	2298.7
65°	1277.8	1277.8	1376.3	1663.8	2098.4	2579.8	*2742.9*	2692.8	2589.5	2497.4	2293.8
67.5°	977.3	972.5	1067.8	1366.6	1893.2	2595.9	*2931.9*	2906.1	2739.7	2544.2	2203.4
70°	*563.8*	*549.2*	*628.4*	*882.0*	*1429.6*	*2279.3*	*2980.4*	*2965.8*	*2773.6*	*2484.5*	*1940.1*
72.5°	195.5	208.4	260.1	374.8	786.7	1641.2	*2692.8*	2723.5	2612.1	2256.7	1558.8
75°	101.8	101.8	119.5	163.2	332.8	846.5	*2069.3*	2164.6	2188.8	1888.4	1113.0
77.5°	74.3	75.9	85.6	105.0	158.3	324.7	*1242.2*	1332.7	1515.2	1300.4	642.9
80°	50.1	51.7	61.4	69.5	96.9	126.0	*495.9*	544.4	751.2	581.5	248.8
82.5°	37.2	38.8	38.8	40.4	53.3	58.2	*130.8*	161.5	258.5	172.8	88.8
85°	8.1	8.1	16.2	16.2	16.2	16.2	*29.1*	32.3	48.5	51.7	29.1
87.5°	0.0	0.0	0.0	0.0	1.6	1.6	*3.2*	3.2	3.2	4.8	4.8
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: P438629
CATALOG NUMBER: ISW-SA1D-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8
2.5°	630.0	628.4	626.8	625.2	623.5	621.9	620.3	621.9	621.9	625.2	626.8
5°	634.8	630.0	628.4	625.2	623.5	623.5	623.5	625.2	626.8	628.4	630.0
7.5°	642.9	641.3	636.5	630.0	628.4	628.4	625.2	625.2	625.2	628.4	628.4
10°	657.5	652.6	646.2	639.7	634.8	625.2	617.1	610.6	613.8	618.7	618.7
12.5°	673.6	665.5	657.5	646.2	633.2	617.1	609.0	610.6	610.6	615.5	617.1
15°	694.6	688.2	670.4	651.0	628.4	615.5	612.2	609.0	609.0	612.2	615.5
17.5°	717.2	705.9	683.3	654.2	631.6	617.1	610.6	597.7	591.2	589.6	592.8
20°	738.2	725.3	694.6	657.5	634.8	615.5	592.8	571.8	555.7	552.5	549.2
22.5°	756.0	739.8	702.7	663.9	634.8	599.3	560.5	529.8	507.2	500.8	504.0
25°	775.4	751.2	712.4	670.4	623.5	567.0	513.7	476.5	453.9	444.2	444.2
27.5°	791.5	767.3	722.1	665.5	594.5	523.4	462.0	424.8	407.1	397.4	395.8
30°	806.1	780.2	741.5	651.0	552.5	463.6	410.3	384.5	373.2	361.8	363.5
32.5°	825.5	802.8	756.0	620.3	495.9	408.7	368.3	355.4	344.1	336.0	339.2
35°	852.9	840.0	760.8	581.5	437.8	369.9	342.5	327.9	318.2	306.9	306.9
37.5°	891.7	880.4	744.7	523.4	386.1	340.8	321.5	302.1	285.9	273.0	269.8
40°	938.5	922.4	717.2	458.8	345.7	321.5	303.7	279.5	256.8	239.1	235.8
42.5°	1012.8	966.0	676.8	392.5	316.6	305.3	281.1	250.4	227.8	214.8	211.6
45°	1092.0	1016.1	618.7	336.0	294.0	285.9	258.5	227.8	211.6	201.9	200.3
47.5°	1192.1	1071.0	563.8	294.0	268.2	266.5	234.2	214.8	201.9	195.5	193.8
50°	1324.6	1140.5	508.8	261.7	245.5	240.7	222.9	206.8	197.1	192.2	190.6
52.5°	1478.1	1221.2	465.2	237.5	224.5	221.3	216.5	203.5	197.1	192.2	190.6
55°	1623.5	1305.2	418.4	214.8	206.8	210.0	213.2	203.5	198.7	195.5	192.2
57.5°	1783.4	1376.3	365.1	197.1	192.2	200.3	210.0	205.2	201.9	197.1	195.5
60°	1881.9	1426.4	294.0	180.9	180.9	192.2	205.2	201.9	195.5	195.5	195.5
62.5°	1925.5	1418.3	232.6	164.8	168.0	182.5	197.1	193.8	189.0	197.1	197.1
65°	1869.0	1326.2	189.0	150.2	155.1	169.6	189.0	189.0	189.0	201.9	201.9
67.5°	1722.0	1187.3	155.1	137.3	142.2	159.9	189.0	200.3	198.7	213.2	213.2
70°	*1453.8*	*941.8*	*134.1*	*127.6*	*134.1*	*159.9*	*200.3*	*206.8*	*195.5*	*211.6*	*208.4*
72.5°	1108.1	657.5	119.5	117.9	126.0	155.1	201.9	198.7	184.2	189.0	184.2
75°	728.5	399.0	105.0	108.2	111.5	137.3	192.2	185.8	168.0	164.8	161.5
77.5°	400.6	200.3	92.1	96.9	96.9	116.3	174.5	159.9	145.4	137.3	134.1
80°	159.9	101.8	80.8	85.6	79.2	93.7	130.8	124.4	111.5	105.0	101.8
82.5°	72.7	56.5	67.8	71.1	59.8	69.5	96.9	93.7	84.0	72.7	69.5
85°	27.5	32.3	51.7	48.5	42.0	40.4	54.9	50.1	40.4	32.3	32.3
87.5°	3.2	6.5	12.9	17.8	9.7	6.5	3.2	1.6	1.6	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

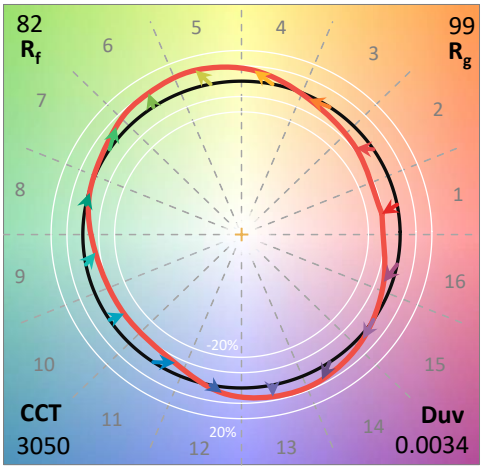
Test Information

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

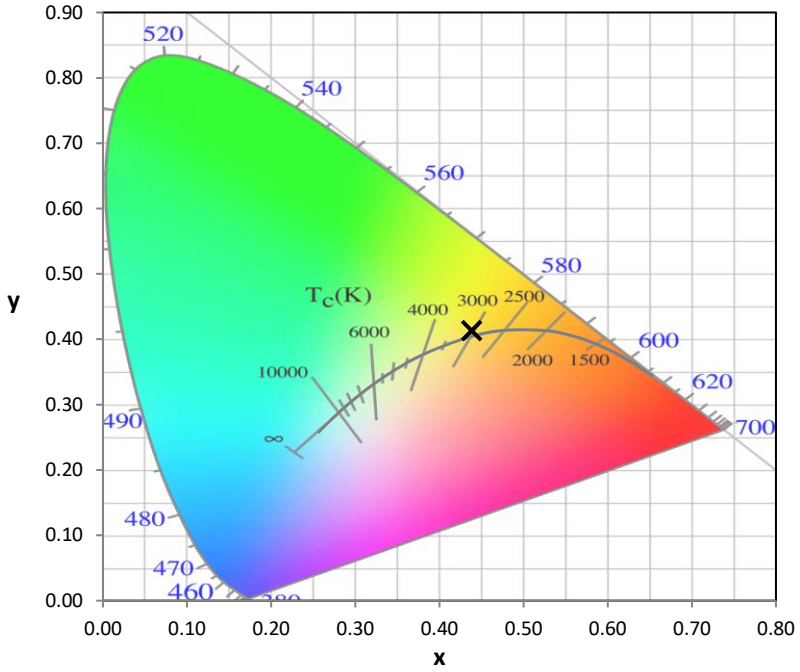
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

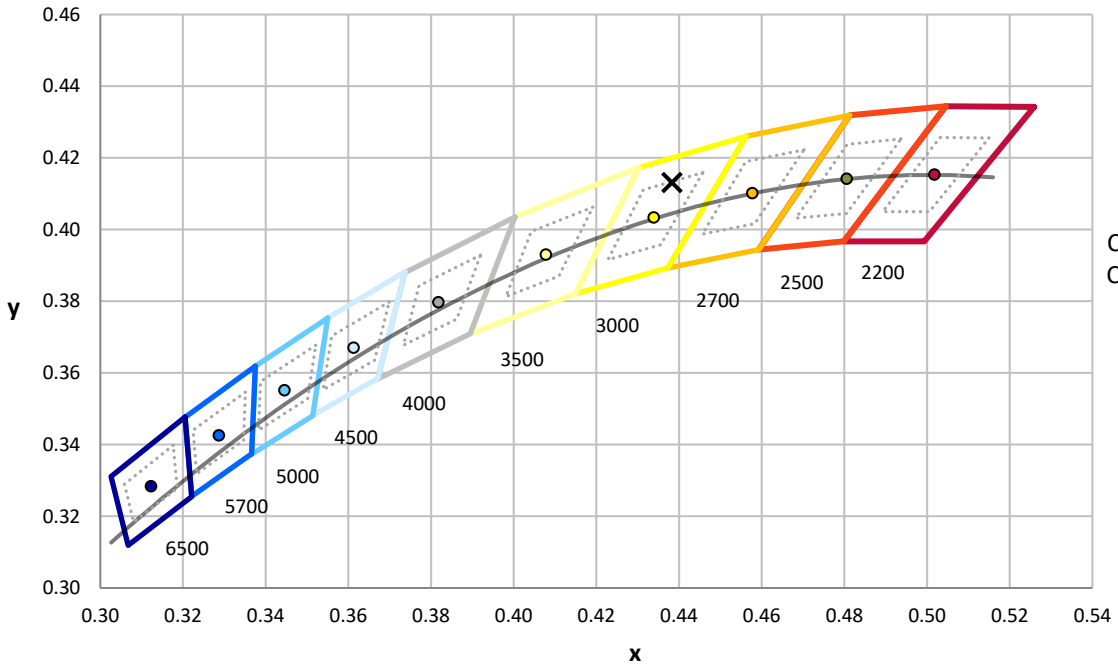
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

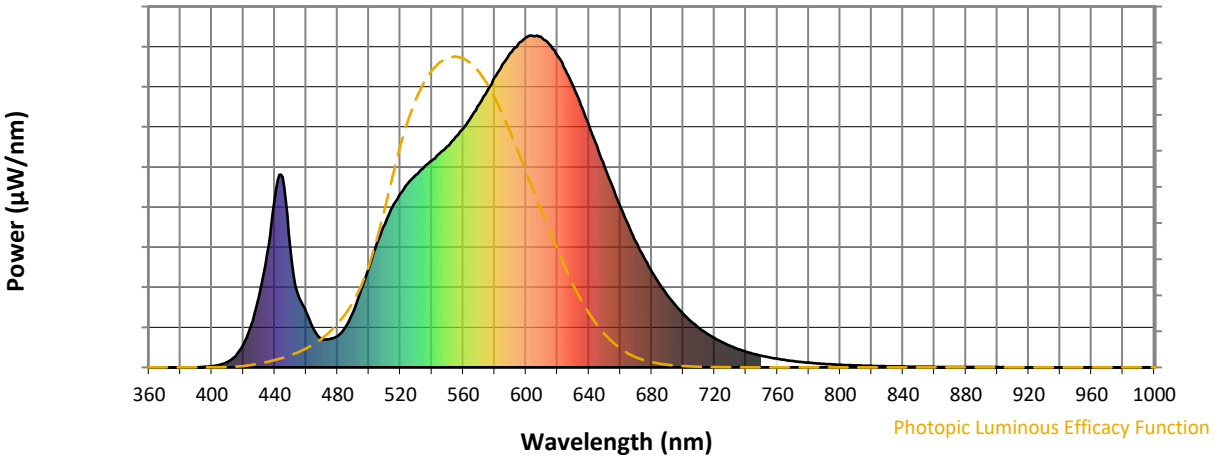


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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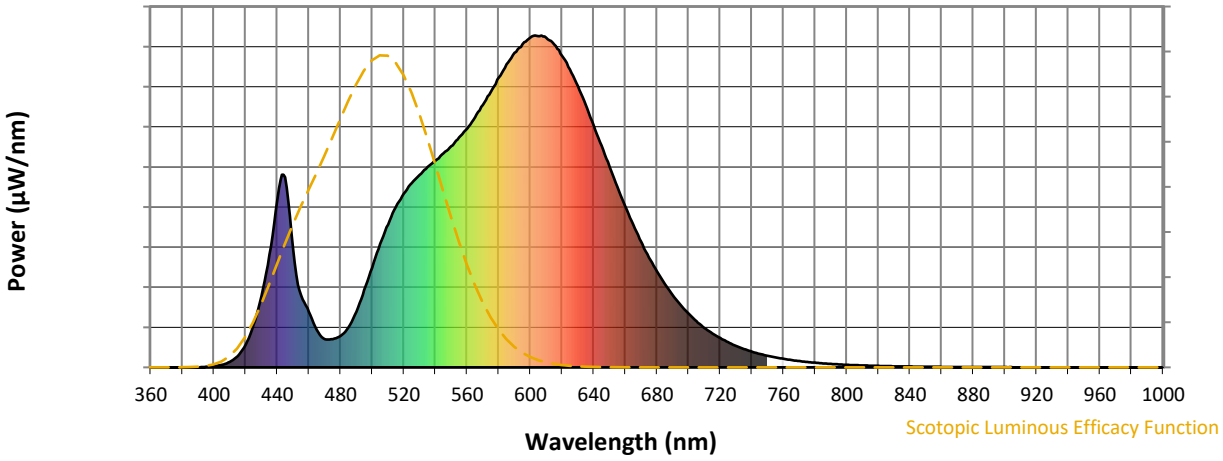
Scotopic Flux vs. Wavelength



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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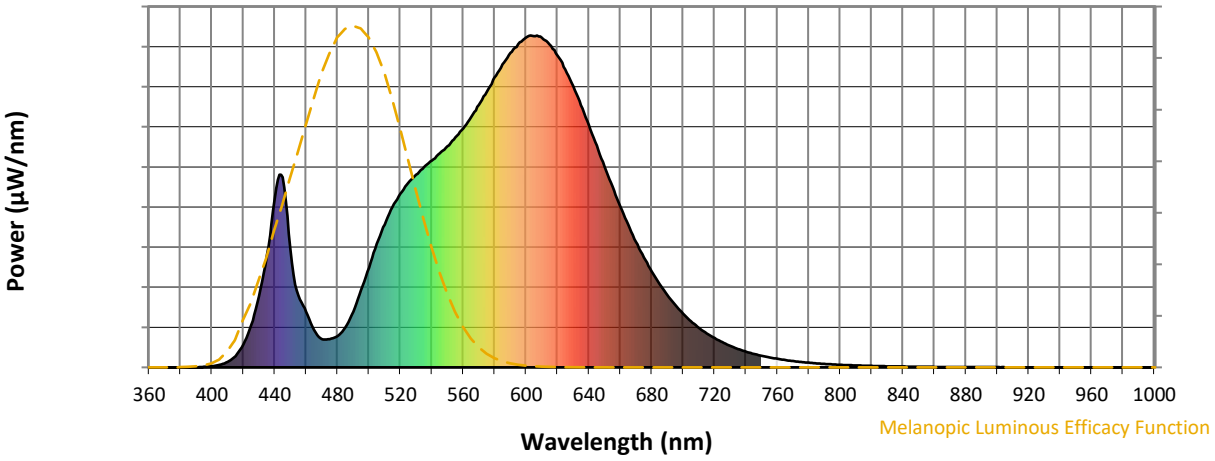
Melanopic Flux vs. Wavelength



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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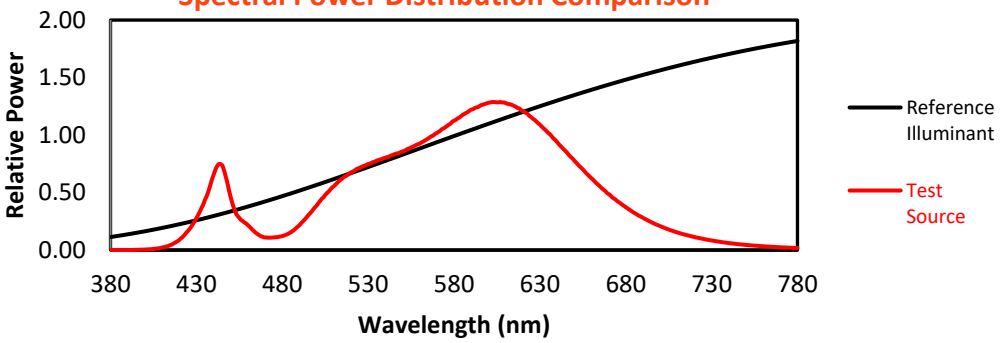
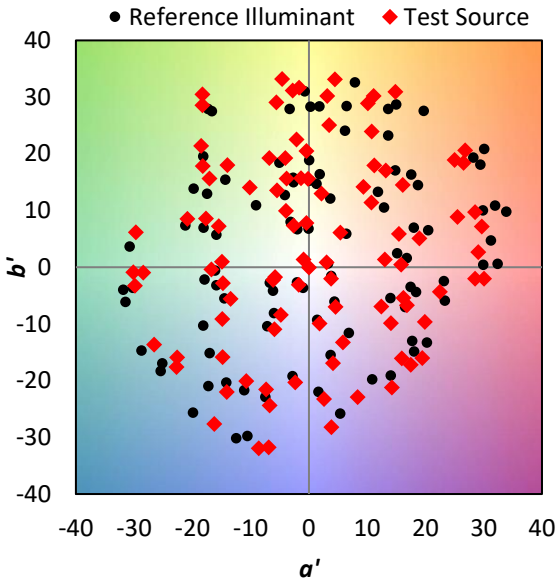
Summary

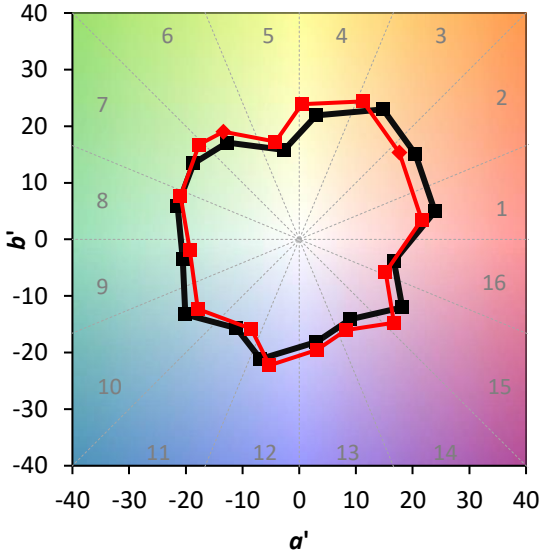
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

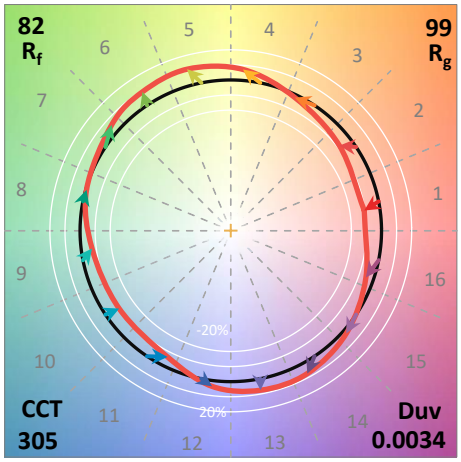
Spectral Power Distribution Comparison

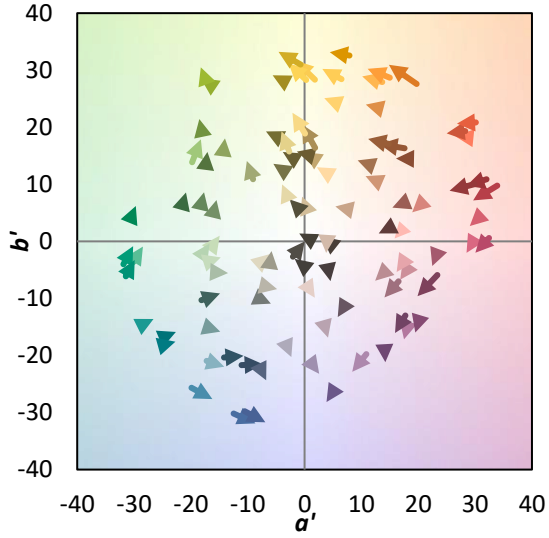


Color Vector Graphics









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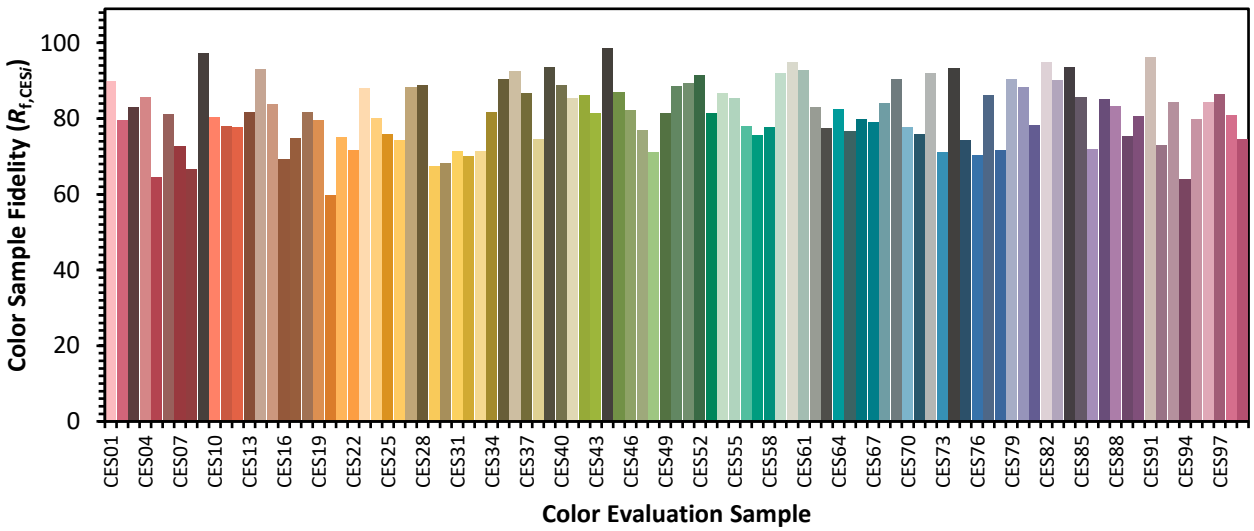
Individual Sample Fidelity Index ($R_{f,i}$)

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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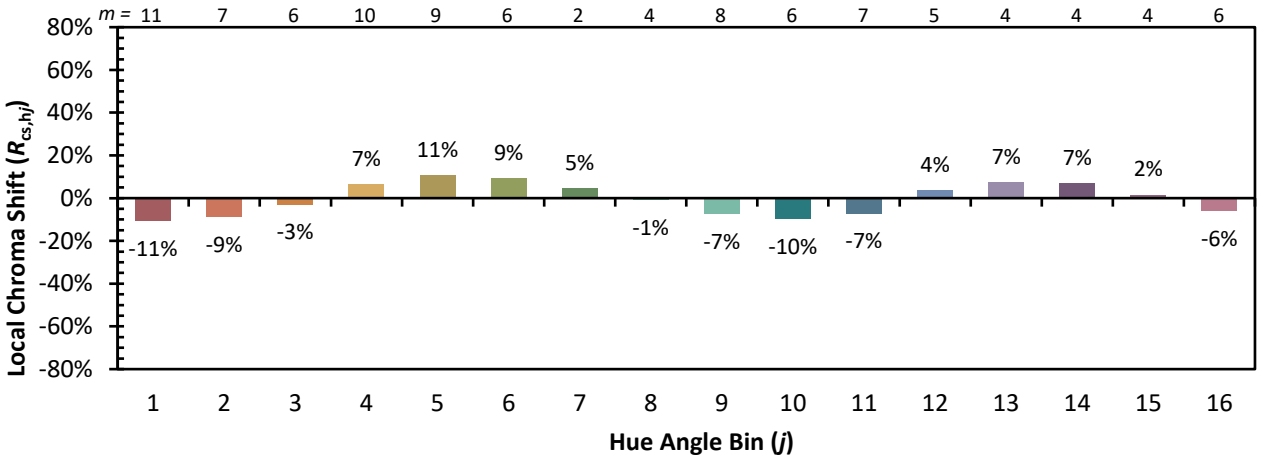
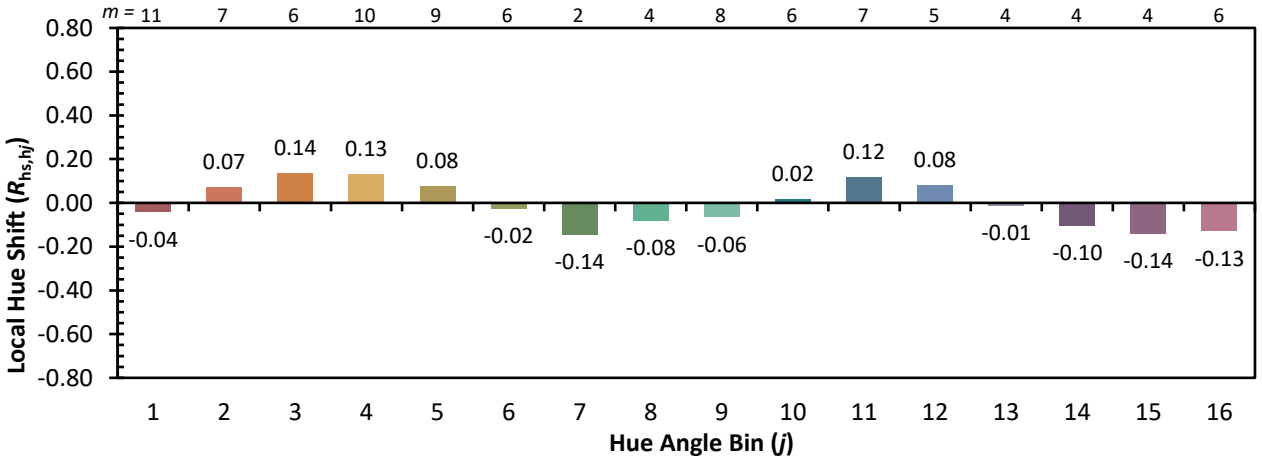
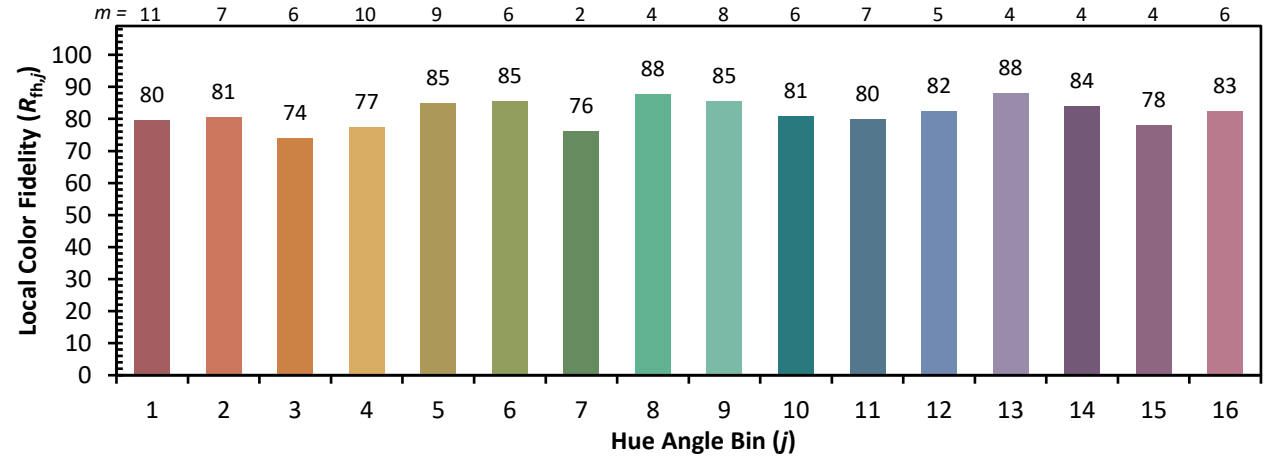
Color Rendition by Hue-Angle Bin







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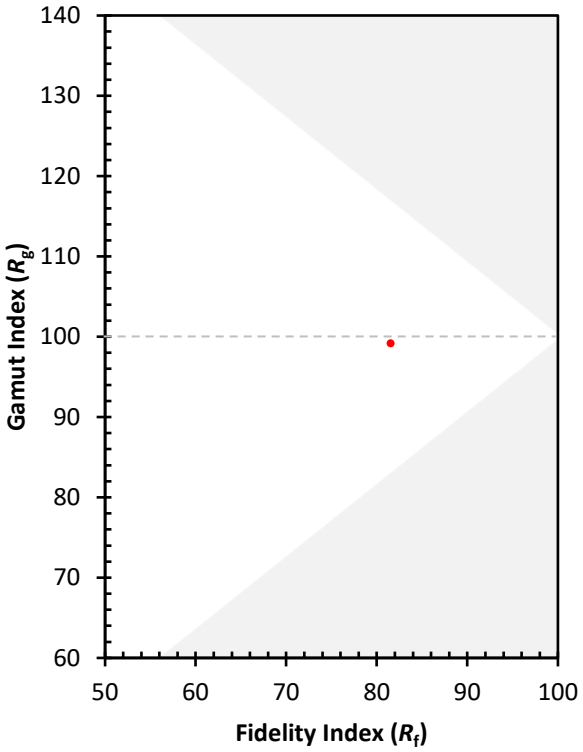
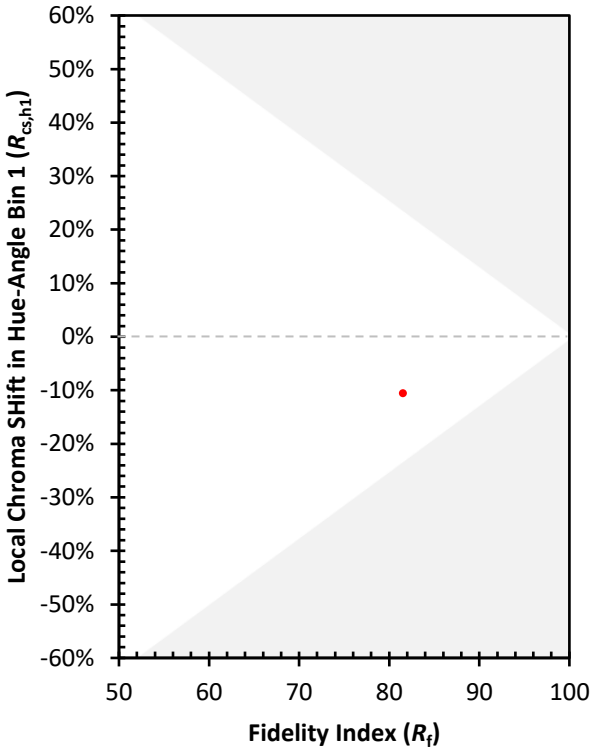
Measure Comparisons





(END OF REPORT)