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: P437253

Luminaire Tested: **ISS-SA1B-830-U-SL4**

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:	P437253
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-18)
Test Lab:	INNOVATION CENTER
Issue Date:	12/9/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISS-SA1B-830-U-SL4
Description:	IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2660 lumens
Efficiency:	N/A
Efficacy:	104.7 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):	25.4
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: P437253
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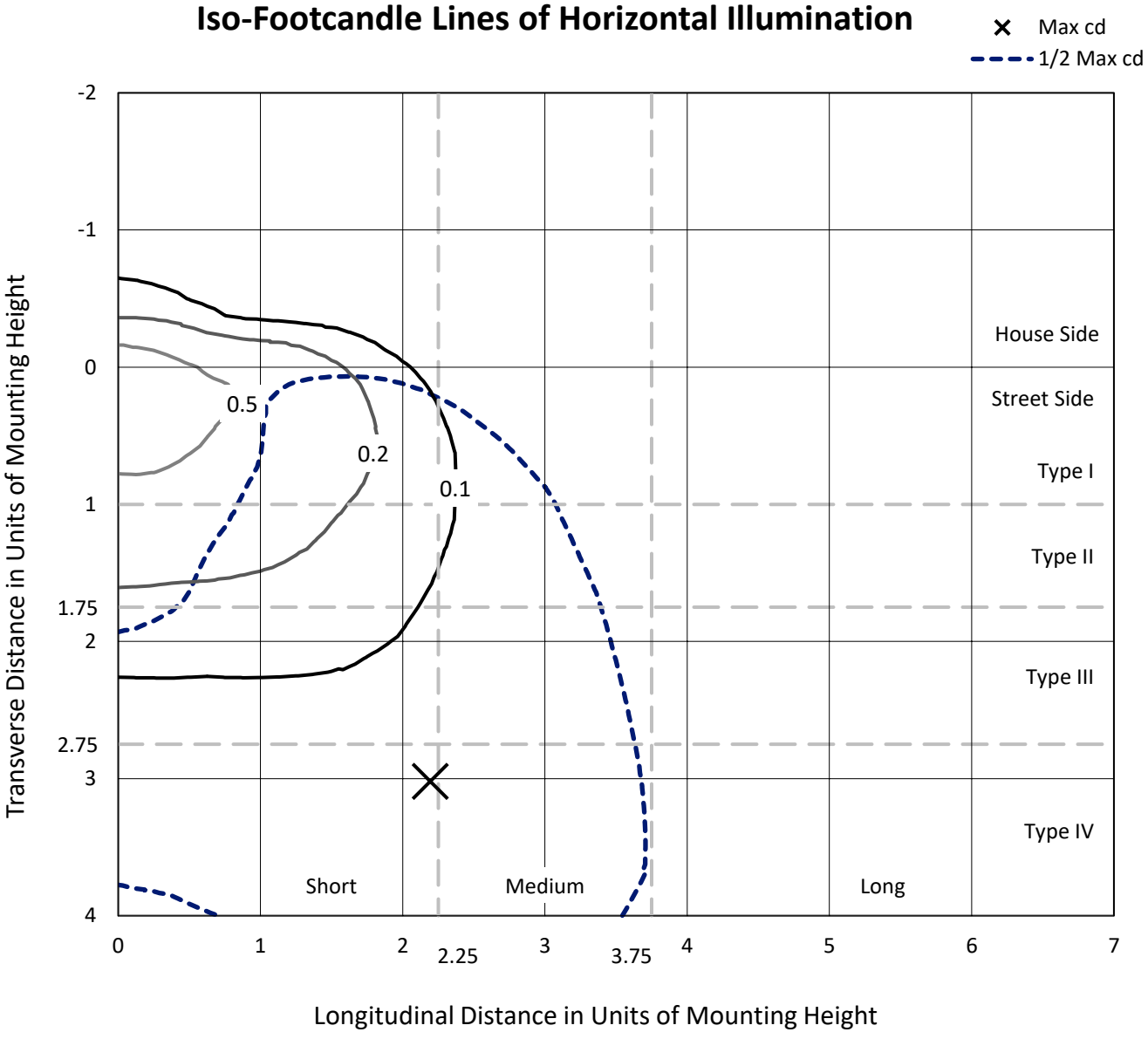
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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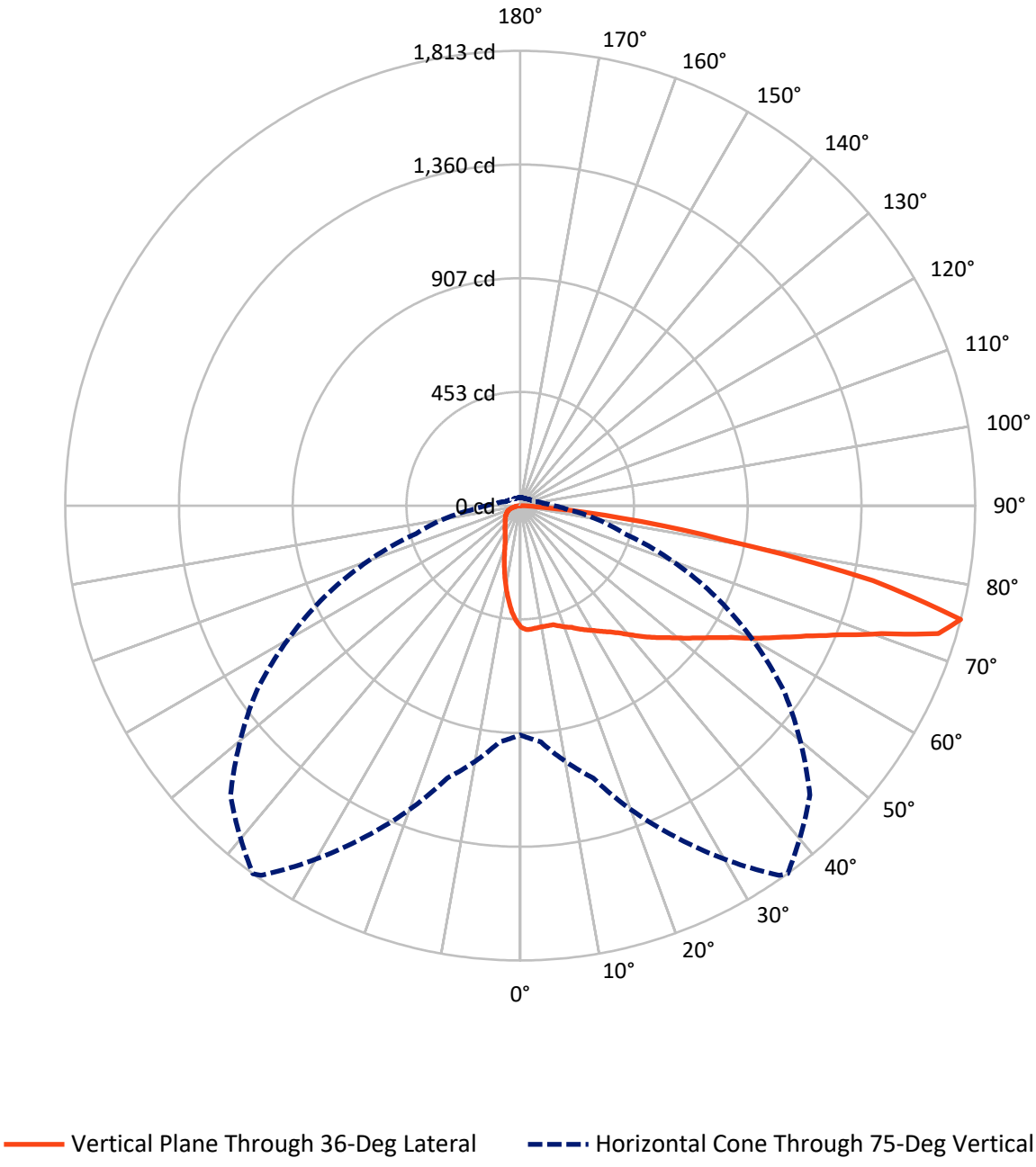
Luminous Intensity Polar Plot



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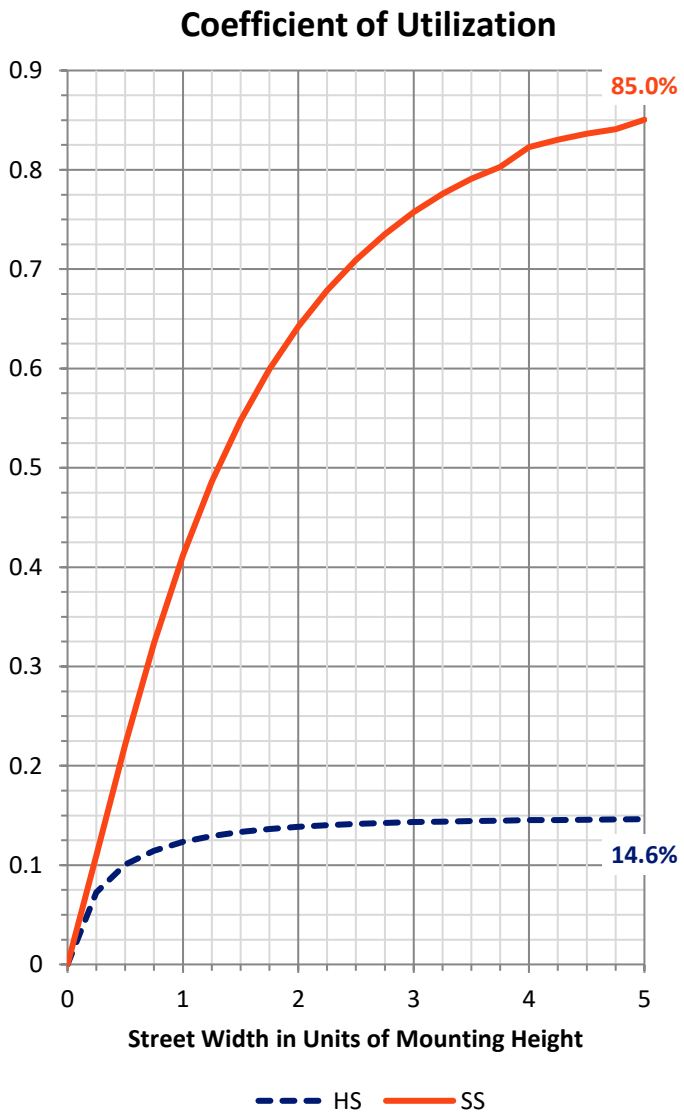
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	392.6	0.0	392.6
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	2267.4	0.0	2267.4
	% Fixture	85.2	0.0	85.2
Total	Lumens	2660.0	0.0	2660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	1.6
10°-20°	110.7	4.2
20°-30°	171.2	6.4
30°-40°	247.9	9.3
40°-50°	358.5	13.5
50°-60°	497.3	18.7
60°-70°	628.0	23.6
70°-80°	539.4	20.3
80°-90°	64.3	2.4
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°	2660.0	100.0
0°-180°	2660.0	100.0



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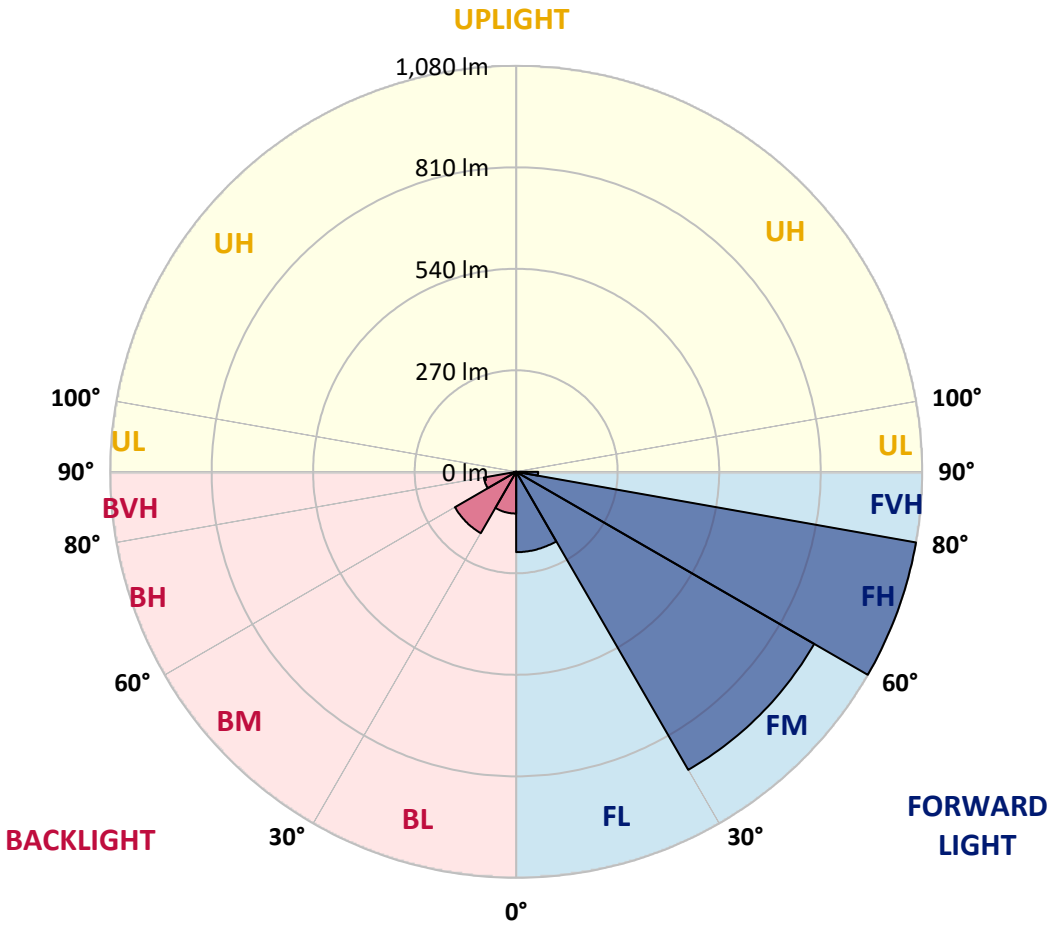
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	213.6	8.0			
FM	(30°-60°)	915.5	34.4			
FH	(60°-80°)	1080.0	40.6			G1/1800
FVH	(80°-90°)	58.3	2.2			G1/100
BL	(0°-30°)	111.0	4.2	B1/500		
BM	(30°-60°)	188.2	7.1	B0/220		
BH	(60°-80°)	87.4	3.3	B0/110		G0/110
BVH	(80°-90°)	5.9	0.2			G0/10
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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Scaled Data Report

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CATALOG NUMBER: ISS-SA1B-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	485.3	485.3	485.3	485.3	485.3	*485.3*	485.3	485.3	485.3	485.3	485.3
2.5°	499.2	499.2	499.2	498.2	496.2	*495.2*	493.2	491.3	490.3	486.3	485.3
5°	499.2	500.2	499.2	498.2	496.2	*494.2*	492.3	488.3	485.3	480.3	475.4
7.5°	494.2	495.2	495.2	494.2	492.3	*491.3*	489.3	484.3	480.3	473.4	465.5
10°	486.3	488.3	488.3	489.3	490.3	*490.3*	488.3	484.3	478.4	470.4	457.5
12.5°	476.4	481.3	484.3	487.3	491.3	*491.3*	492.3	486.3	481.3	470.4	457.5
15°	473.4	476.4	482.3	491.3	495.2	*492.3*	496.2	493.2	487.3	476.4	460.5
17.5°	472.4	475.4	485.3	496.2	502.2	*504.2*	504.2	500.2	493.2	482.3	462.5
20°	476.4	480.3	493.2	507.1	516.1	*516.1*	515.1	510.1	501.2	488.3	466.4
22.5°	489.3	490.3	505.2	522.0	529.0	*527.0*	529.0	520.0	510.1	497.2	471.4
25°	506.1	508.1	520.0	539.9	543.9	*544.9*	541.9	531.9	521.0	508.1	477.4
27.5°	529.0	531.9	540.9	559.7	562.7	*560.7*	556.8	544.9	533.9	522.0	489.3
30°	555.8	557.8	568.7	576.6	579.6	*577.6*	574.6	561.7	552.8	541.9	507.1
32.5°	581.6	582.6	594.5	602.4	597.4	*597.4*	593.5	580.6	573.6	571.6	530.0
35°	608.4	610.4	621.3	625.2	617.3	*618.3*	617.3	606.4	608.4	612.3	564.7
37.5°	633.2	636.2	649.1	650.0	647.1	*644.1*	647.1	641.1	645.1	661.0	605.4
40°	655.0	659.0	674.9	677.8	676.8	*676.8*	678.8	677.8	692.7	718.5	655.0
42.5°	672.9	677.8	696.7	704.6	710.6	*713.6*	720.5	722.5	744.3	786.0	712.6
45°	690.7	695.7	721.5	734.4	748.3	*749.3*	763.2	770.1	810.8	848.5	775.1
47.5°	711.6	717.5	741.4	767.2	783.0	*786.0*	811.8	825.7	875.3	924.0	833.7
50°	740.4	742.3	761.2	804.9	824.7	*829.7*	858.5	887.2	941.8	990.5	885.3
52.5°	776.1	774.1	783.0	838.6	869.4	*876.3*	923.0	951.8	1017.3	1061.9	925.9
55°	805.9	803.9	816.8	877.3	925.9	*927.9*	983.5	1011.3	1086.7	1114.5	960.7
57.5°	840.6	836.6	849.5	924.0	990.5	*991.4*	1056.0	1087.7	1149.2	1161.2	983.5
60°	869.4	869.4	886.2	969.6	1061.9	*1072.8*	1131.4	1156.2	1209.8	1194.9	994.4
62.5°	896.2	901.1	925.0	1030.2	1146.3	*1155.2*	1214.7	1224.7	1272.3	1220.7	982.5
65°	927.9	935.9	981.5	1102.6	1246.5	*1252.5*	1302.1	1316.0	1334.8	1219.7	930.9
67.5°	961.7	974.6	1035.1	1184.0	1356.7	*1372.5*	1426.1	1412.2	1376.5	1181.0	822.7
70°	1007.3	1023.2	1109.5	1292.2	1507.5	*1527.4*	1597.8	1512.5	1354.7	1043.1	666.9
72.5°	1042.1	1062.9	1181.0	1432.1	1712.0	*1742.7*	1725.9	1514.5	1214.7	831.7	446.6
75°	*914.0*	*945.8*	*1124.4*	*1454.9*	*1799.3*	*1813.2*	*1632.6*	*1280.2*	*860.4*	*429.7*	*192.5*
77.5°	667.9	665.9	821.7	1130.4	1474.8	*1438.0*	1238.6	832.7	408.9	155.8	97.3
80°	335.4	322.5	444.6	602.4	795.9	*820.7*	732.4	432.7	161.8	83.4	58.6
82.5°	124.1	127.0	162.8	246.1	400.0	*405.9*	295.7	183.6	88.3	43.7	30.8
85°	47.6	49.6	53.6	53.6	74.4	*82.4*	76.4	73.4	29.8	14.9	16.9
87.5°	0.0	0.0	0.0	0.0	1.0	*1.0*	1.0	1.0	1.0	1.0	1.0
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

REPORT NUMBER: P437253
CATALOG NUMBER: ISS-SA1B-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	482.3	480.3	476.4	469.4	465.5	462.5	458.5	454.5	453.5	452.6	457.5
5°	470.4	467.4	457.5	448.6	438.7	430.7	422.8	415.8	411.9	410.9	412.9
7.5°	458.5	454.5	439.7	421.8	404.9	391.0	377.1	370.2	359.3	359.3	360.3
10°	451.6	444.6	423.8	397.0	375.1	350.3	333.5	316.6	309.6	304.7	302.7
12.5°	447.6	436.7	408.9	379.1	345.4	312.6	289.8	269.0	258.0	250.1	250.1
15°	448.6	436.7	399.0	360.3	316.6	276.9	248.1	225.3	211.4	203.5	201.5
17.5°	447.6	432.7	387.1	336.4	287.8	246.1	211.4	187.6	173.7	168.7	167.7
20°	449.6	429.7	373.2	314.6	260.0	215.4	179.6	157.8	149.9	145.9	144.9
22.5°	450.6	423.8	359.3	290.8	230.2	186.6	156.8	141.9	136.0	133.0	132.0
25°	452.6	422.8	343.4	269.0	205.4	164.7	141.9	129.0	126.0	124.1	124.1
27.5°	460.5	422.8	329.5	241.2	179.6	146.9	129.0	121.1	119.1	118.1	118.1
30°	470.4	424.8	316.6	218.3	159.8	133.0	120.1	114.1	113.1	112.1	112.1
32.5°	487.3	431.7	301.7	196.5	142.9	123.1	113.1	108.2	106.2	106.2	106.2
35°	510.1	443.6	286.8	176.7	129.0	113.1	106.2	101.2	100.2	101.2	101.2
37.5°	542.9	457.5	273.9	158.8	118.1	105.2	99.2	96.3	95.3	95.3	96.3
40°	583.6	482.3	261.0	144.9	110.2	98.3	94.3	91.3	90.3	91.3	91.3
42.5°	628.2	509.1	250.1	131.0	102.2	93.3	88.3	86.3	85.3	86.3	87.3
45°	677.8	536.9	241.2	121.1	96.3	88.3	84.4	83.4	82.4	82.4	83.4
47.5°	719.5	566.7	234.2	114.1	91.3	84.4	81.4	79.4	78.4	77.4	78.4
50°	758.2	589.5	232.2	110.2	88.3	80.4	77.4	75.4	74.4	73.4	74.4
52.5°	787.0	601.4	232.2	107.2	85.3	77.4	74.4	72.4	71.5	69.5	70.5
55°	806.9	607.4	229.3	105.2	82.4	74.4	70.5	69.5	68.5	66.5	66.5
57.5°	818.8	606.4	218.3	104.2	81.4	70.5	67.5	66.5	65.5	63.5	63.5
60°	816.8	587.5	198.5	100.2	79.4	67.5	63.5	63.5	63.5	61.5	61.5
62.5°	788.0	534.9	165.7	94.3	77.4	64.5	59.5	61.5	62.5	60.5	60.5
65°	710.6	454.5	137.0	86.3	72.4	61.5	56.6	59.5	61.5	60.5	59.5
67.5°	598.4	360.3	113.1	78.4	67.5	57.6	52.6	56.6	57.6	57.6	57.6
70°	462.5	259.0	93.3	68.5	60.5	51.6	47.6	49.6	50.6	50.6	51.6
72.5°	273.9	154.8	76.4	58.6	51.6	44.7	41.7	42.7	41.7	41.7	41.7
75°	*135.0*	*96.3*	*61.5*	*49.6*	*43.7*	*37.7*	*34.7*	*32.8*	*32.8*	*32.8*	*31.8*
77.5°	82.4	71.5	50.6	39.7	34.7	28.8	26.8	24.8	24.8	24.8	24.8
80°	58.6	55.6	38.7	29.8	23.8	20.8	19.8	18.9	18.9	17.9	17.9
82.5°	36.7	41.7	28.8	19.8	15.9	14.9	13.9	12.9	11.9	10.9	10.9
85°	20.8	26.8	16.9	10.9	8.9	6.9	6.0	6.0	5.0	5.0	4.0
87.5°	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	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

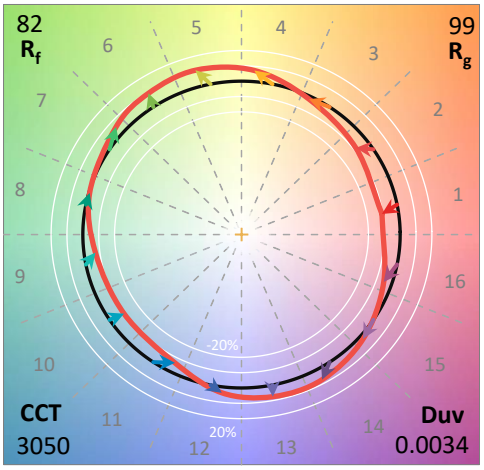
Test Information

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

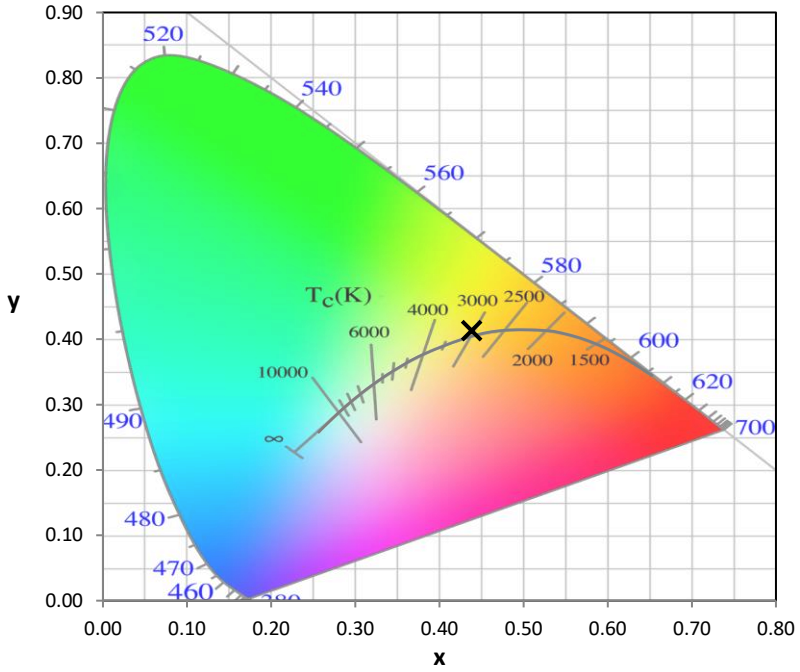
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

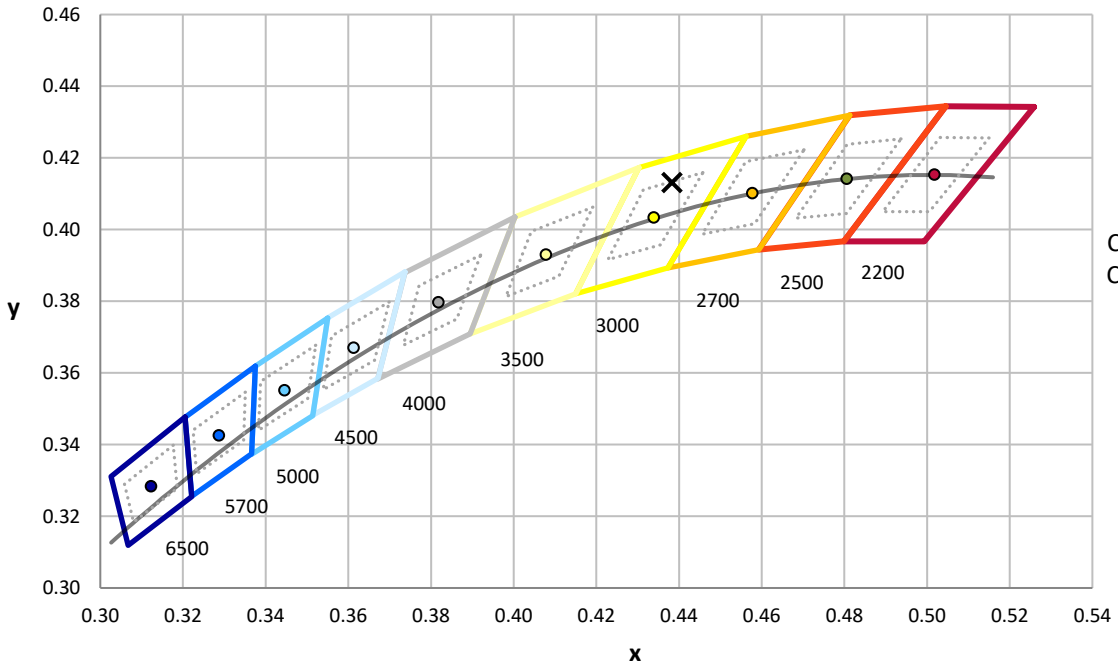
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

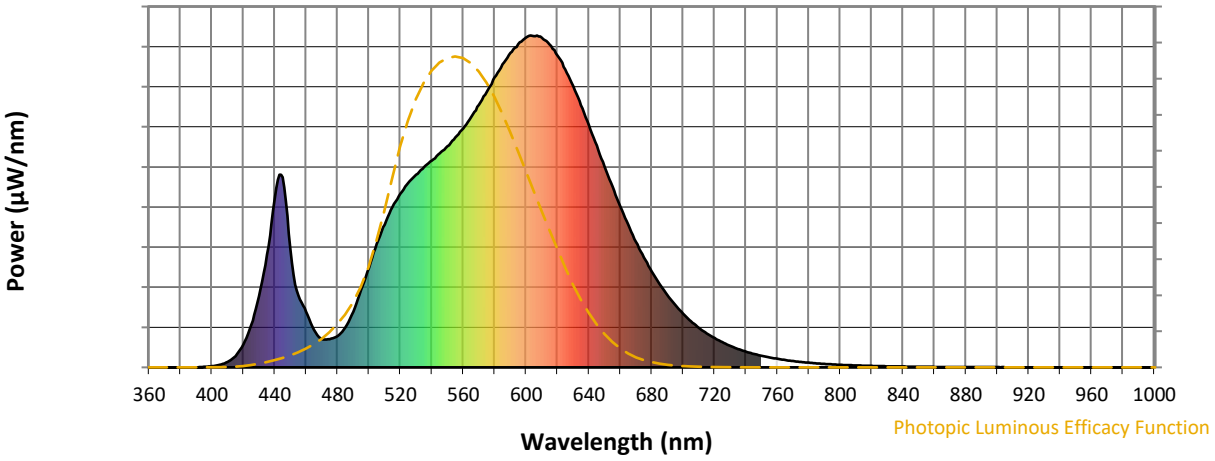


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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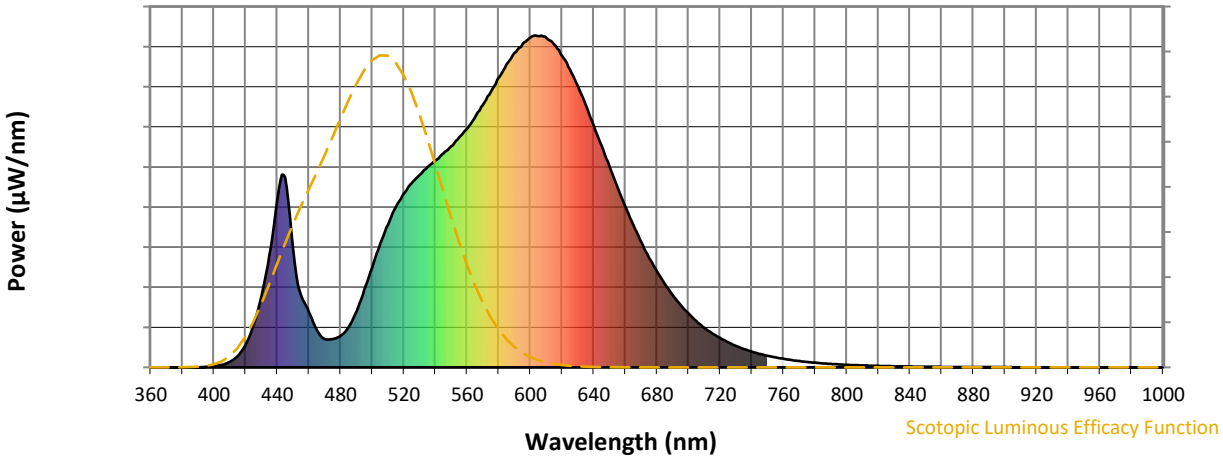
Scotopic Flux vs. Wavelength



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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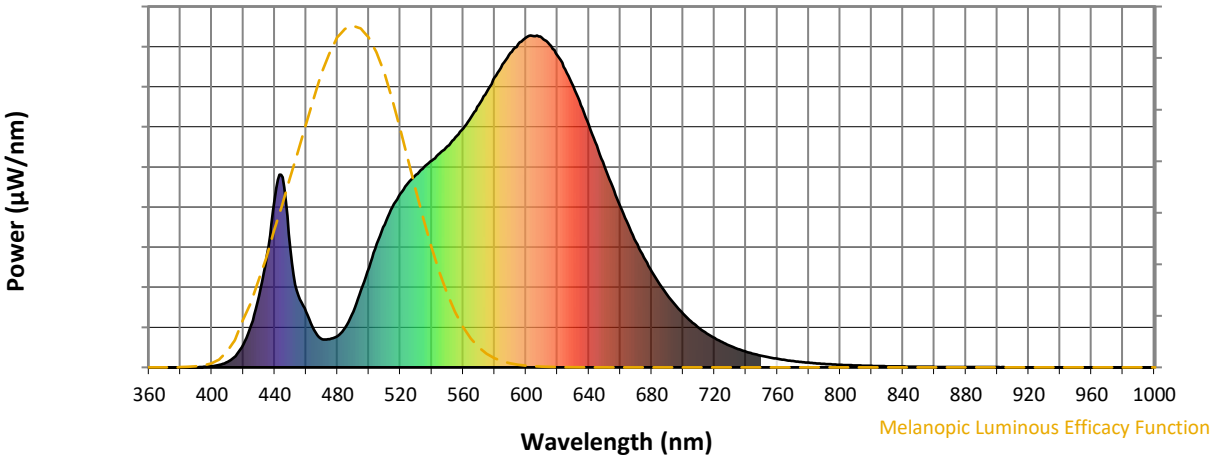
Melanopic Flux vs. Wavelength



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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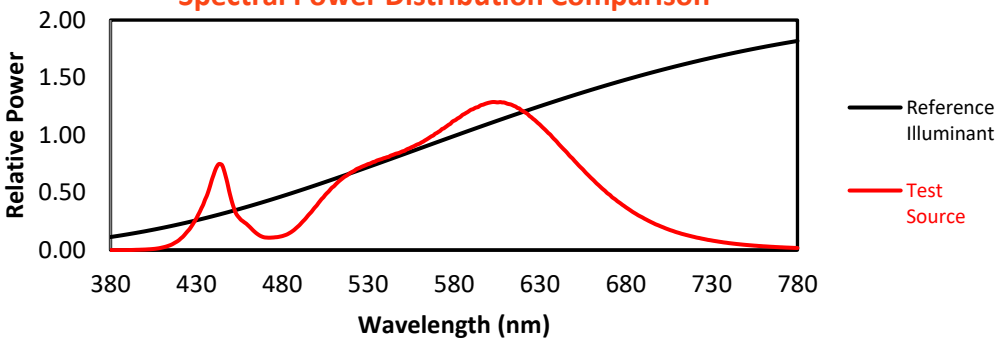
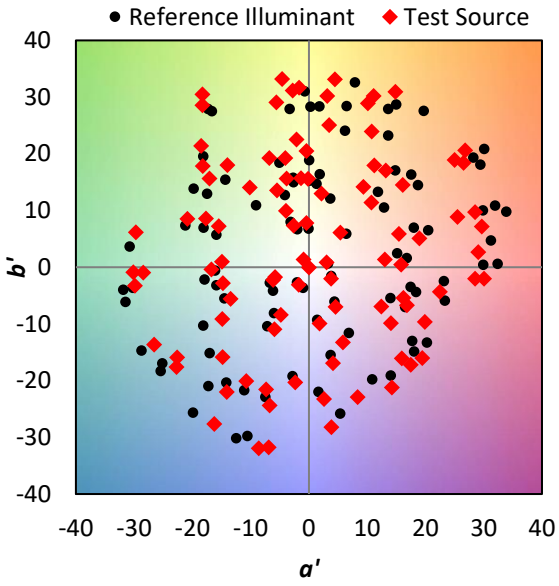
Summary

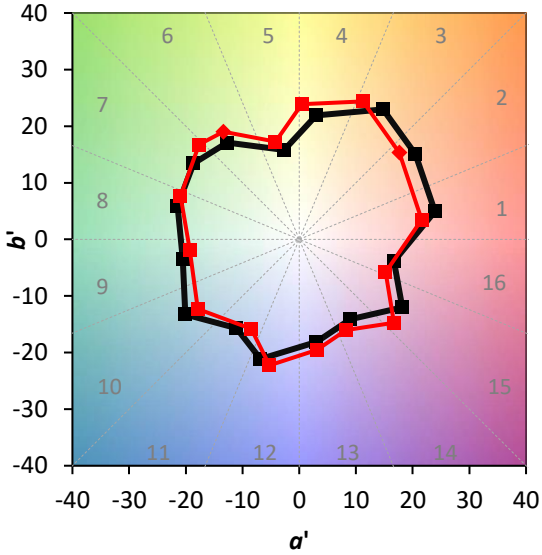
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

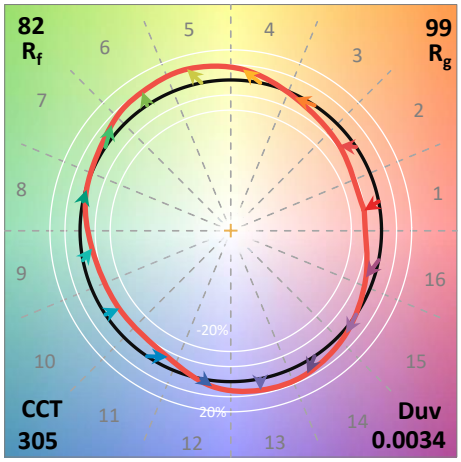
Spectral Power Distribution Comparison

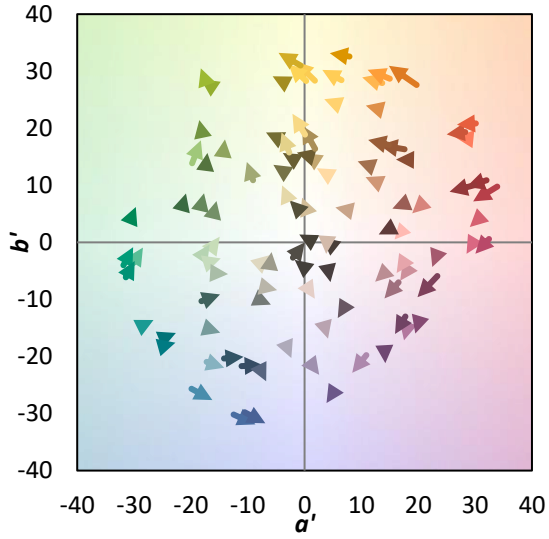


Color Vector Graphics









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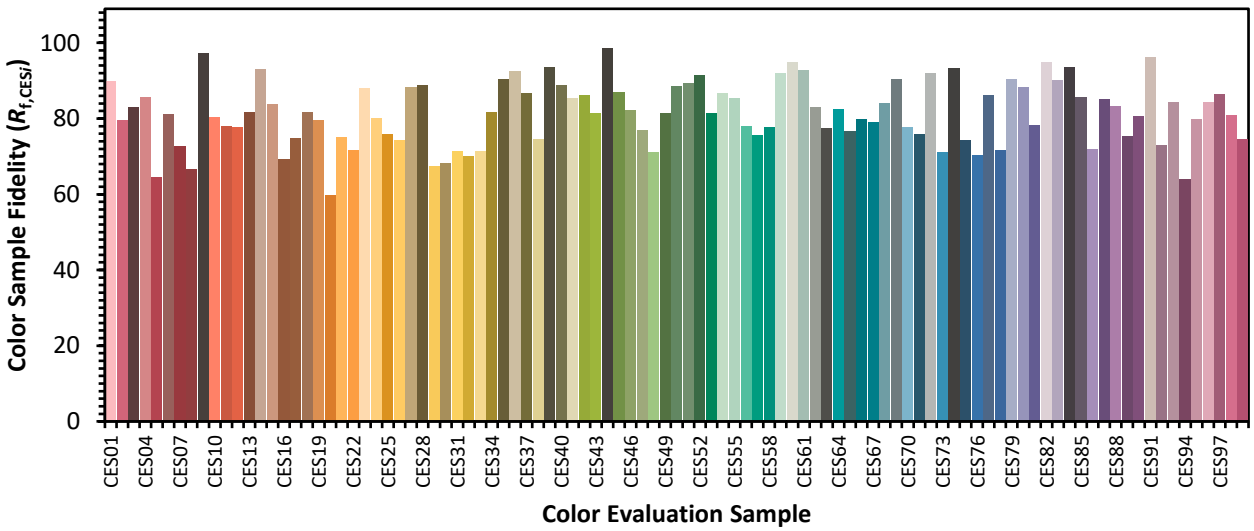
Individual Sample Fidelity Index ($R_{f,i}$)

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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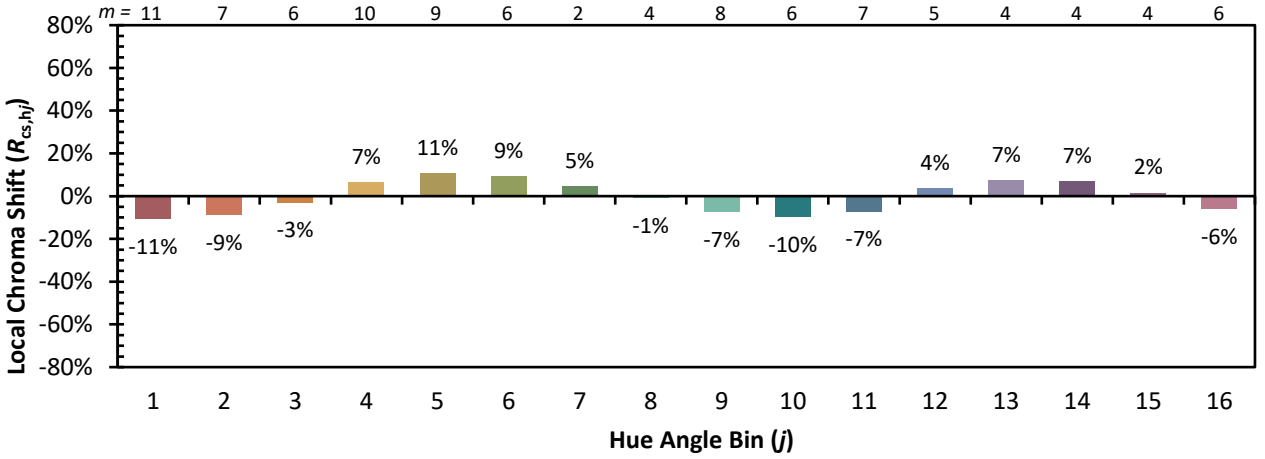
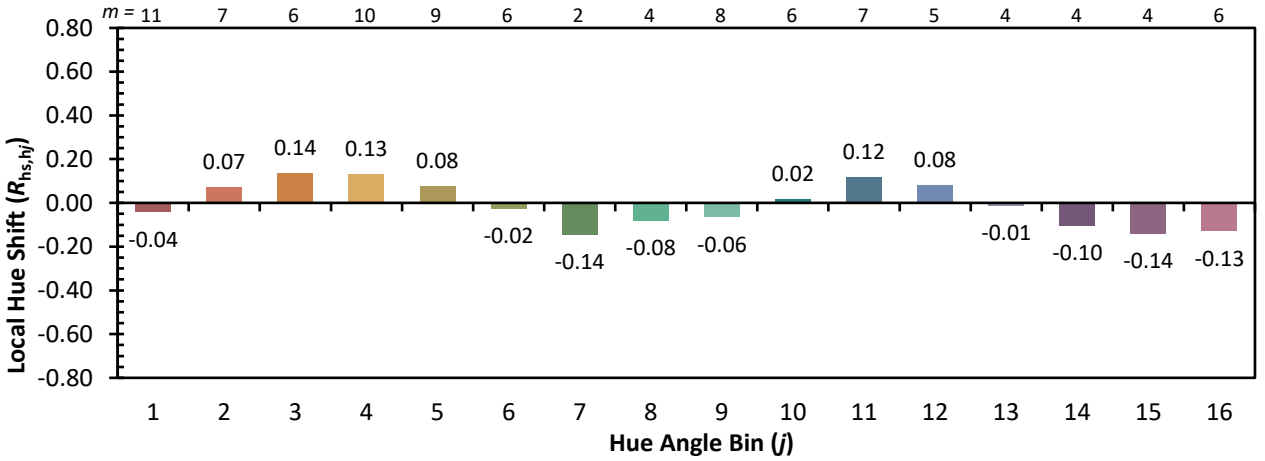
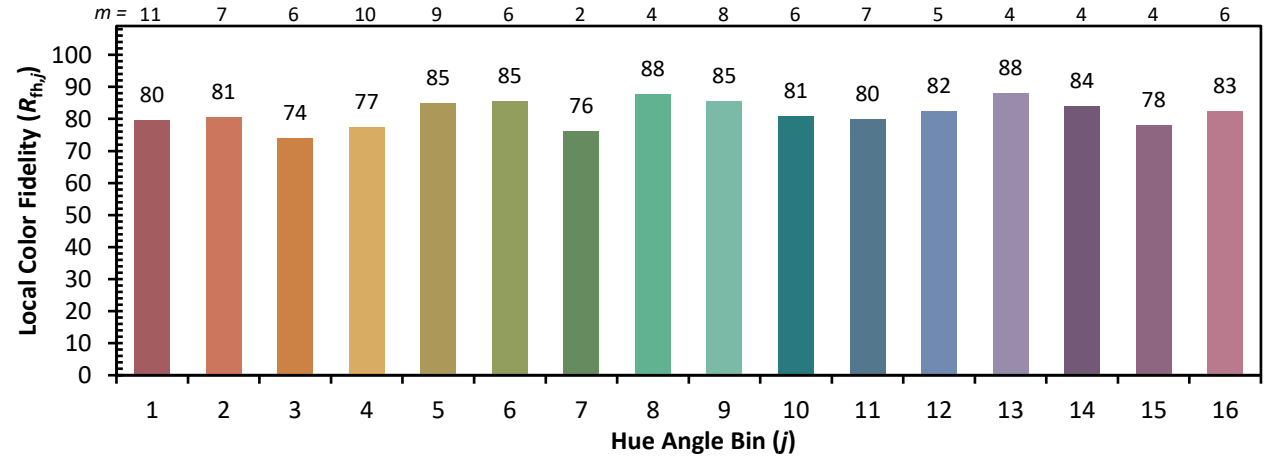
Color Rendition by Hue-Angle Bin







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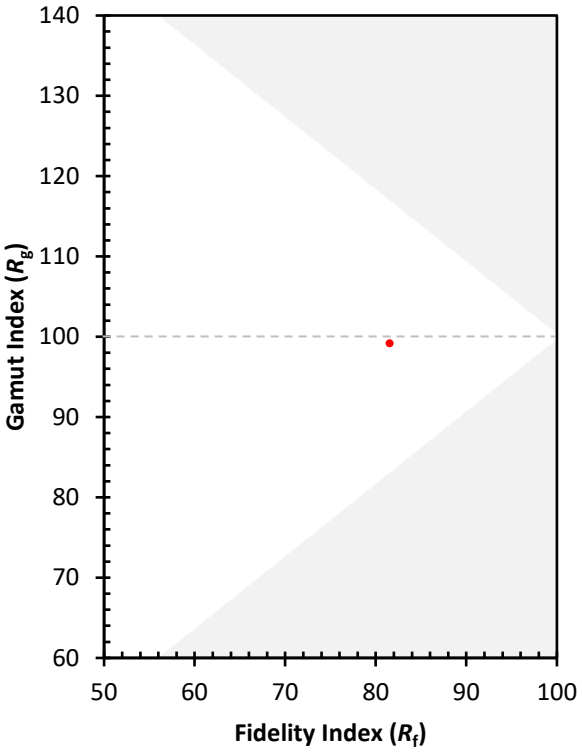
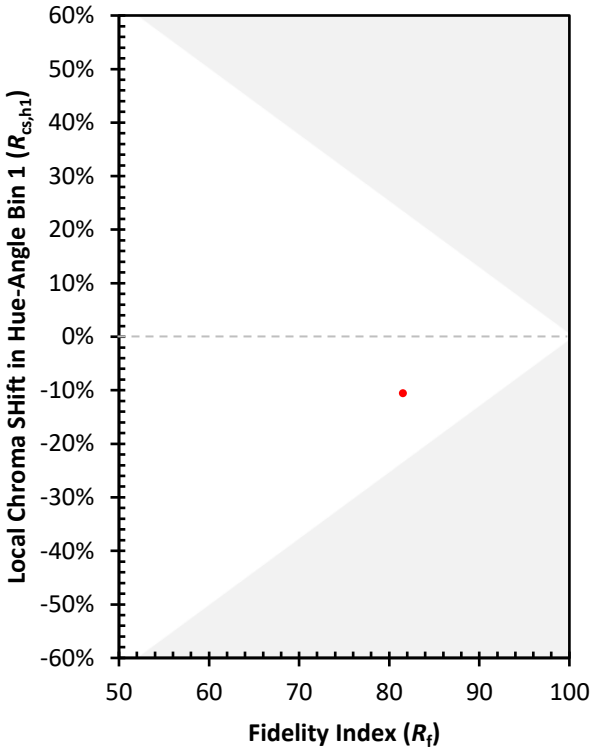
Measure Comparisons





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