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: P437942

Luminaire Tested: **ISS-SA1F-830-U-T2-HSS**

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:	P437942
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-7)
Test Lab:	INNOVATION CENTER
Issue Date:	12/9/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISS-SA1F-830-U-T2-HSS
Description:	IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4787 lumens
Efficiency:	N/A
Efficacy:	72.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

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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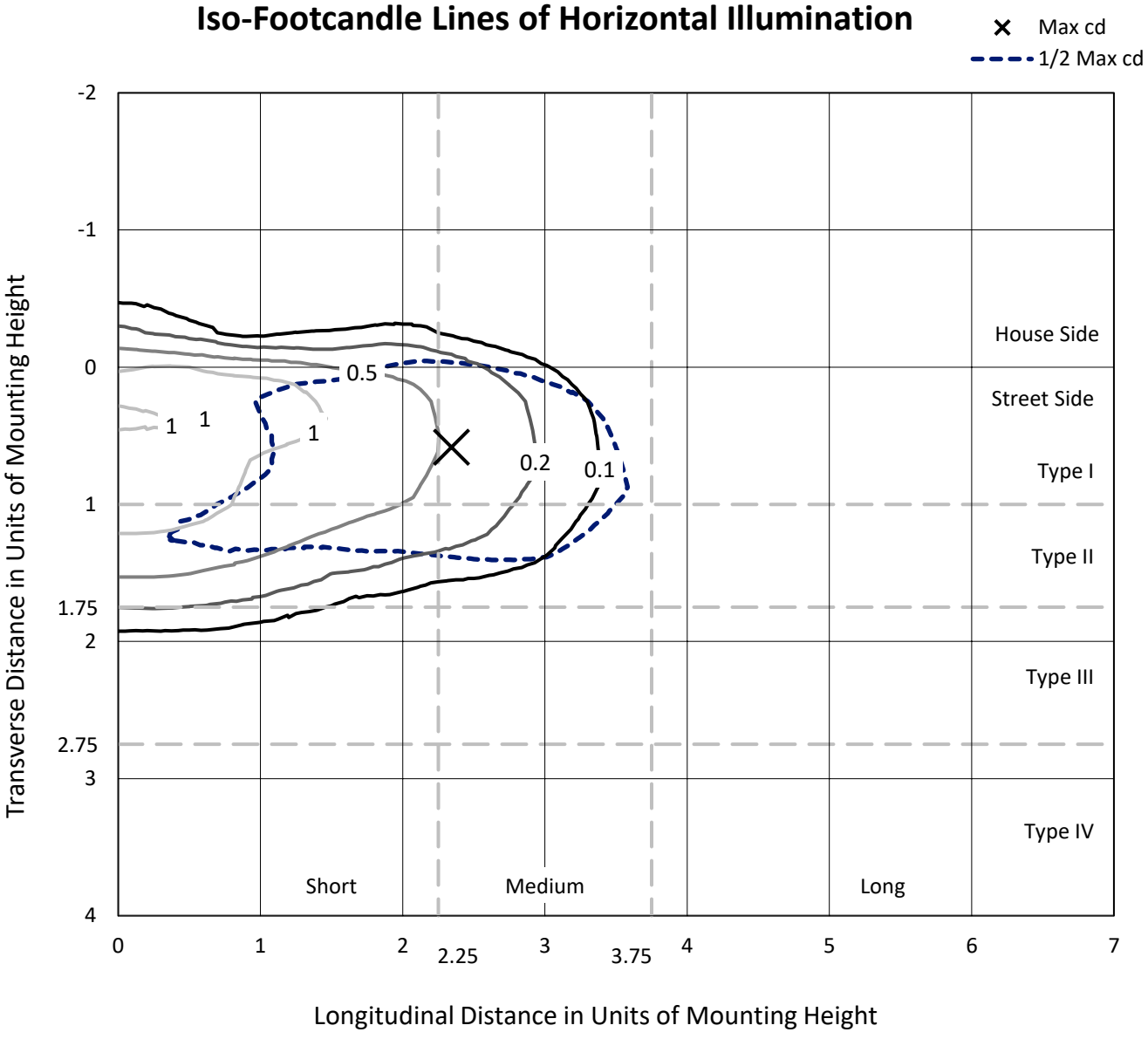
REPORT NUMBER: P437942
CATALOG NUMBER: ISS-SA1F-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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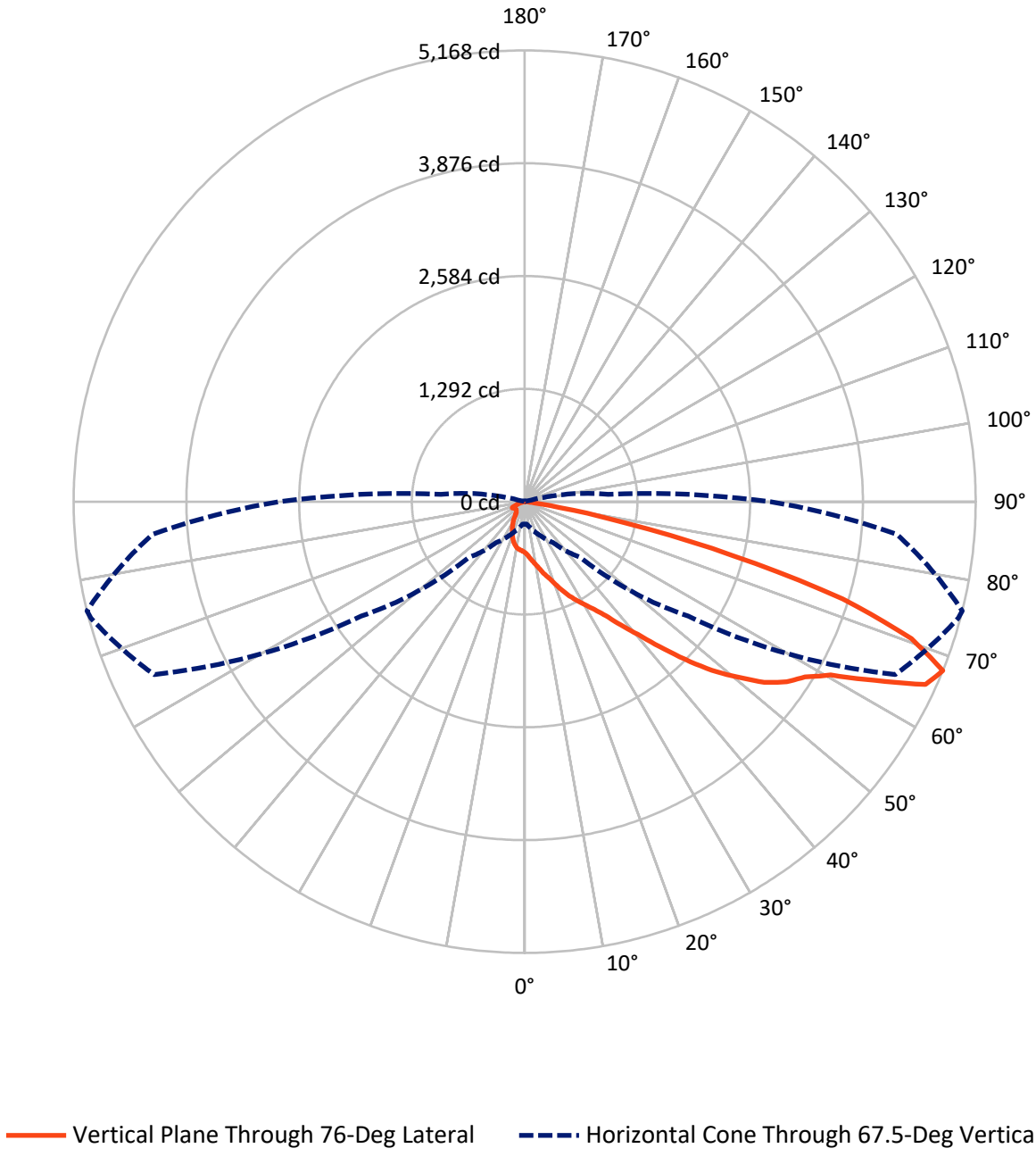
Luminous Intensity Polar Plot



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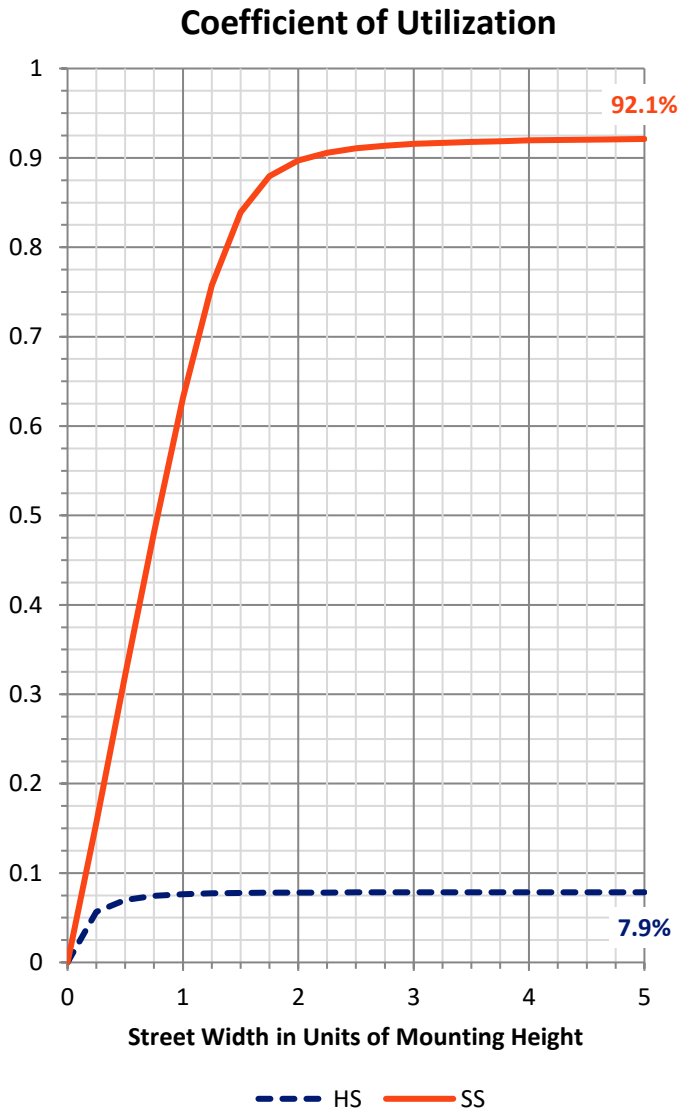
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.7	0.0	378.7
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	4408.3	0.0	4408.3
	% Fixture	92.1	0.0	92.1
Total	Lumens	4787.0	0.0	4787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	1.2
10°-20°	155.6	3.2
20°-30°	268.4	5.6
30°-40°	478.2	10.0
40°-50°	851.6	17.8
50°-60°	1277.0	26.7
60°-70°	1209.5	25.3
70°-80°	471.4	9.8
80°-90°	19.5	0.4
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°	4787.0	100.0
0°-180°	4787.0	100.0



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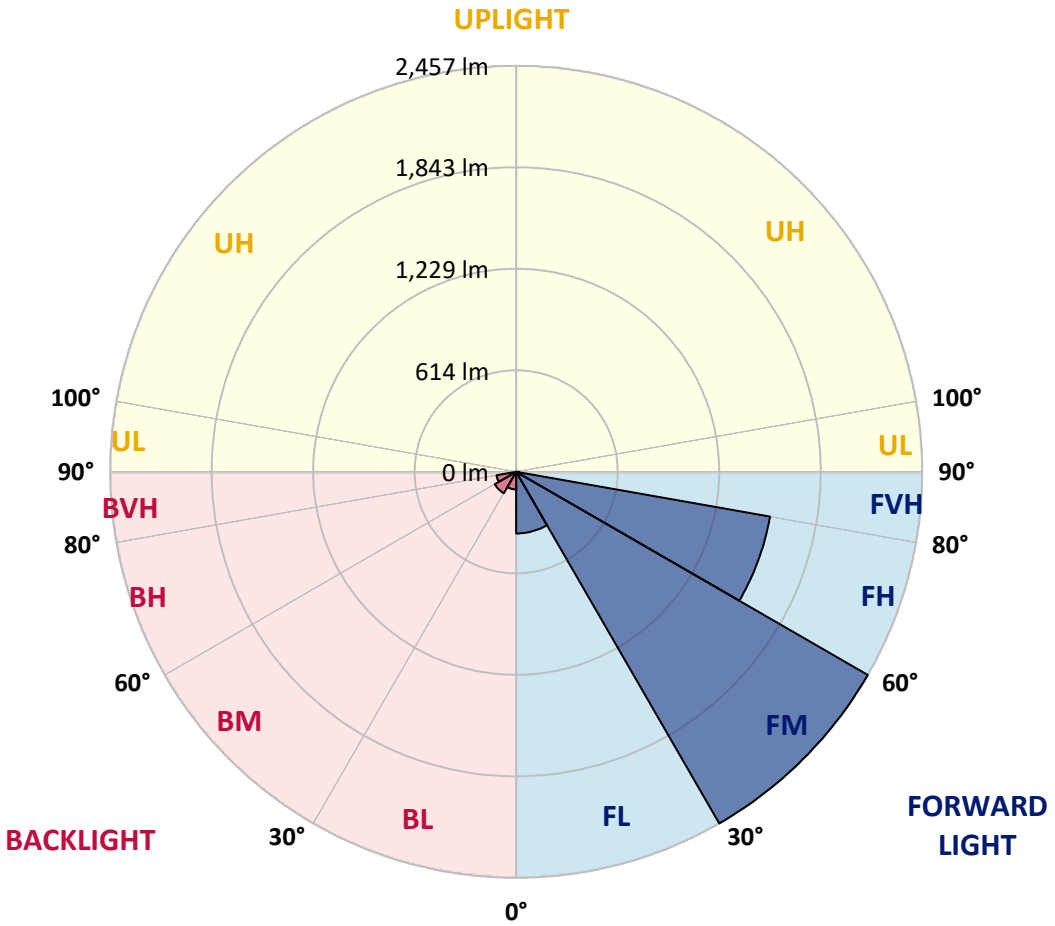
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	373.2	7.8			
FM	(30°-60°)	2457.3	51.3			
FH	(60°-80°)	1560.0	32.6			G1/1800
FVH	(80°-90°)	17.8	0.4			G1/100
BL	(0°-30°)	106.6	2.2	B0/110		
BM	(30°-60°)	149.5	3.1	B0/220		
BH	(60°-80°)	120.9	2.5	B1/500		G1/500
BVH	(80°-90°)	1.7	0.0			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	582.1	582.1	582.1	582.1	582.1	582.1	582.1	582.1	582.1	*582.1*	582.1
2.5°	689.6	682.9	678.4	676.2	671.7	658.3	647.1	626.9	609.0	*609.0*	597.8
5°	752.3	750.1	741.1	736.6	734.4	725.4	705.3	680.7	651.6	*649.3*	622.4
7.5°	770.2	772.5	772.5	776.9	779.2	774.7	756.8	734.4	696.3	*691.9*	651.6
10°	763.5	763.5	770.2	783.7	801.6	810.5	808.3	790.4	745.6	*741.1*	685.1
12.5°	738.9	743.4	754.5	776.9	810.5	837.4	853.1	846.3	801.6	*797.1*	729.9
15°	705.3	709.8	729.9	761.3	806.0	857.5	893.4	913.5	868.7	*864.3*	776.9
17.5°	658.3	662.7	685.1	732.2	794.9	866.5	935.9	976.2	938.1	*924.7*	826.2
20°	640.4	644.8	662.7	700.8	774.7	866.5	974.0	1050.1	1021.0	*1009.8*	888.9
22.5°	712.0	709.8	694.1	698.6	754.5	859.8	1003.1	1141.9	1119.5	*1103.8*	956.1
25°	841.9	850.8	828.4	776.9	768.0	853.1	1023.2	1213.5	1211.3	*1195.6*	1025.5
27.5°	991.9	996.4	971.7	918.0	844.1	866.5	1045.6	1285.2	1296.4	*1283.0*	1079.2
30°	1115.0	1130.7	1112.8	1063.5	985.2	924.7	1061.3	1350.1	1388.2	*1370.3*	1130.7
32.5°	1291.9	1298.6	1280.7	1209.1	1128.5	1036.7	1090.4	1406.1	1488.9	*1473.3*	1191.2
35°	1477.8	1486.7	1453.1	1374.8	1276.2	1173.2	1159.8	1482.2	1634.5	*1603.1*	1283.0
37.5°	1643.4	1652.4	1636.7	1540.4	1444.2	1334.5	1283.0	1585.2	1811.4	*1791.2*	1397.1
40°	1775.5	1797.9	1793.5	1710.6	1621.0	1522.5	1459.8	1706.1	2015.1	*1997.2*	1542.7
42.5°	1909.9	1925.6	1916.6	1856.1	1793.5	1733.0	1654.6	1874.1	2277.1	*2268.1*	1724.0
45°	2077.8	2102.4	2091.2	2042.0	1965.9	1952.4	1878.5	2075.6	2588.3	*2574.9*	1943.5
47.5°	2326.3	2348.7	2330.8	2263.6	2176.3	2151.7	2089.0	2303.9	2892.8	*2886.1*	2160.7
50°	2460.7	2483.1	2530.1	2541.3	2483.1	2351.0	2277.1	2521.1	3166.0	*3154.8*	2368.9
52.5°	2413.7	2433.8	2548.0	2655.5	2783.1	2671.1	2505.5	2756.2	3416.7	*3436.9*	2572.6
55°	2212.2	2239.0	2402.5	2574.9	2883.9	3033.9	2843.6	3022.7	3613.8	*3642.9*	2707.0
57.5°	1804.6	1836.0	2046.5	2312.9	2729.4	3125.7	3262.2	3389.9	3748.1	*3786.2*	2879.4
60°	1081.4	1130.7	1347.9	1701.7	2279.3	2908.5	3560.0	3918.3	4010.1	*4028.0*	3246.6
62.5°	600.1	588.9	763.5	1054.6	1571.8	2362.2	3515.3	4560.9	4504.9	*4504.9*	3873.5
65°	360.5	371.7	461.2	626.9	913.5	1558.4	3134.6	4957.2	5031.1	*5046.7*	4381.8
67.5°	*255.2*	*257.5*	*322.4*	*429.9*	*570.9*	*897.8*	*2286.0*	*4684.0*	*5145.3*	*5167.7*	*4281.0*
70°	165.7	167.9	230.6	306.7	407.5	494.8	1397.1	3860.1	4713.1	*4701.9*	3786.2
72.5°	100.8	105.2	145.5	226.1	313.5	279.9	752.3	2789.8	3734.7	*3810.8*	2971.2
75°	62.7	67.2	87.3	156.7	219.4	190.3	331.4	1862.9	2409.2	*2467.4*	1918.8
77.5°	35.8	40.3	56.0	89.6	156.7	132.1	156.7	978.5	1166.5	*1204.6*	770.2
80°	13.4	15.7	29.1	44.8	96.3	80.6	71.6	331.4	371.7	*416.5*	235.1
82.5°	2.2	4.5	13.4	26.9	38.1	38.1	31.3	100.8	103.0	*109.7*	62.7
85°	0.0	0.0	4.5	6.7	6.7	6.7	11.2	20.2	31.3	*31.3*	17.9
87.5°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	4.5	4.5	*4.5*	4.5
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-SA1F-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	582.1	582.1	582.1	582.1	582.1	582.1	582.1	582.1	582.1	582.1	582.1
2.5°	586.6	582.1	564.2	546.3	532.9	521.7	503.8	503.8	497.1	490.3	492.6
5°	602.3	588.9	555.3	521.7	490.3	461.2	436.6	425.4	409.7	405.3	403.0
7.5°	622.4	597.8	541.8	488.1	436.6	398.5	367.2	347.0	329.1	324.7	326.9
10°	647.1	611.3	526.2	443.3	380.6	333.6	297.8	282.1	262.0	255.2	248.5
12.5°	682.9	626.9	501.5	394.1	324.7	277.6	226.1	188.1	174.6	170.2	170.2
15°	712.0	635.9	470.2	347.0	277.6	203.8	161.2	154.5	152.3	152.3	152.3
17.5°	745.6	642.6	432.1	302.3	214.9	150.0	141.1	141.1	138.8	138.8	136.6
20°	781.4	644.8	391.8	262.0	152.3	134.3	127.6	125.4	120.9	118.7	118.7
22.5°	821.7	642.6	347.0	214.9	134.3	123.1	112.0	107.5	103.0	98.5	98.5
25°	855.3	638.1	306.7	154.5	123.1	107.5	96.3	89.6	85.1	82.8	80.6
27.5°	884.4	613.5	266.4	132.1	112.0	96.3	82.8	76.1	71.6	69.4	69.4
30°	886.7	573.2	232.9	123.1	103.0	85.1	71.6	67.2	64.9	62.7	62.7
32.5°	900.1	532.9	197.0	116.4	91.8	76.1	64.9	60.5	56.0	56.0	56.0
35°	927.0	497.1	152.3	105.2	82.8	67.2	58.2	53.7	51.5	49.3	49.3
37.5°	969.5	472.4	125.4	96.3	76.1	60.5	53.7	49.3	47.0	44.8	44.8
40°	1025.5	459.0	114.2	87.3	67.2	56.0	49.3	44.8	40.3	38.1	38.1
42.5°	1121.7	459.0	105.2	78.4	60.5	51.5	44.8	40.3	35.8	33.6	33.6
45°	1233.7	476.9	98.5	69.4	53.7	47.0	40.3	33.6	29.1	26.9	26.9
47.5°	1356.8	510.5	91.8	62.7	49.3	42.5	35.8	26.9	22.4	20.2	20.2
50°	1500.1	559.8	87.3	56.0	44.8	38.1	29.1	20.2	17.9	15.7	15.7
52.5°	1621.0	609.0	80.6	51.5	40.3	33.6	22.4	17.9	13.4	13.4	13.4
55°	1735.2	662.7	76.1	47.0	38.1	26.9	17.9	13.4	11.2	11.2	11.2
57.5°	1887.5	729.9	69.4	42.5	31.3	20.2	15.7	11.2	9.0	9.0	9.0
60°	2198.7	879.9	60.5	38.1	26.9	17.9	13.4	11.2	9.0	6.7	6.7
62.5°	2704.7	1124.0	51.5	33.6	20.2	15.7	11.2	9.0	6.7	4.5	4.5
65°	3024.9	1184.4	42.5	26.9	15.7	11.2	9.0	6.7	4.5	2.2	2.2
67.5°	*2818.9*	*962.8*	*33.6*	*20.2*	*13.4*	*9.0*	*6.7*	*4.5*	*2.2*	*0.0*	*0.0*
70°	2380.1	727.7	24.6	13.4	11.2	6.7	4.5	2.2	0.0	0.0	0.0
72.5°	1880.8	553.0	22.4	11.2	9.0	4.5	4.5	2.2	0.0	0.0	0.0
75°	1233.7	284.4	17.9	11.2	6.7	4.5	2.2	2.2	0.0	0.0	0.0
77.5°	485.9	107.5	13.4	9.0	6.7	4.5	2.2	2.2	0.0	0.0	0.0
80°	132.1	35.8	6.7	4.5	4.5	2.2	2.2	2.2	0.0	0.0	0.0
82.5°	33.6	15.7	4.5	4.5	2.2	2.2	2.2	2.2	2.2	0.0	0.0
85°	11.2	4.5	4.5	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	4.5	4.5	2.2	2.2	2.2	0.0	0.0	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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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

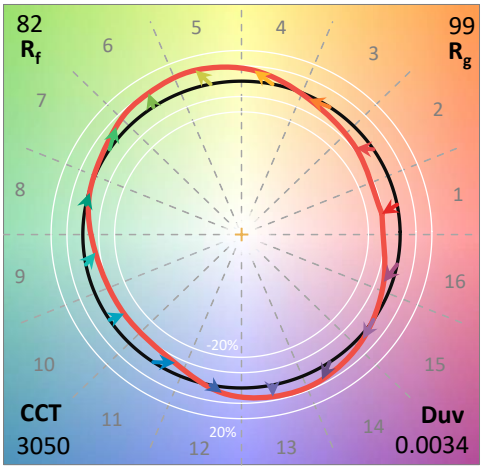
Test Information

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

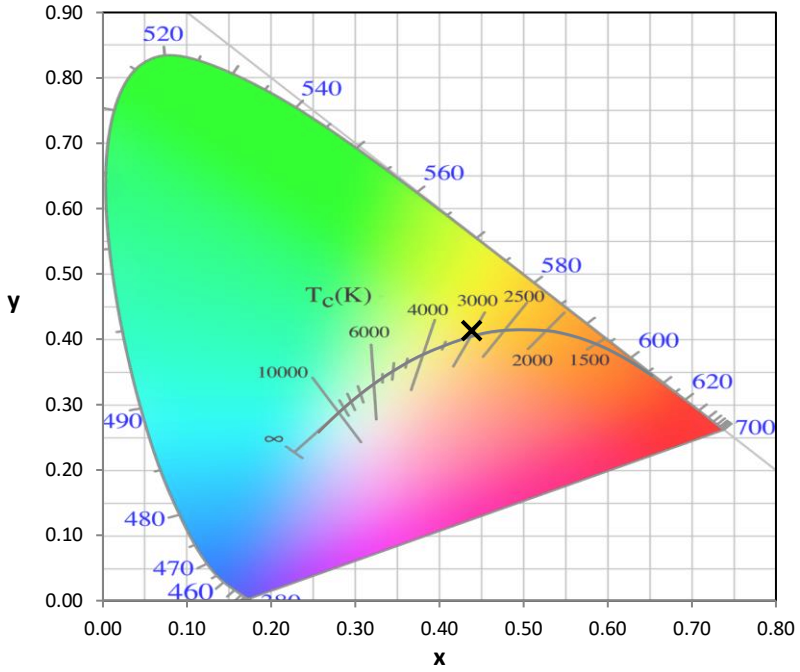
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

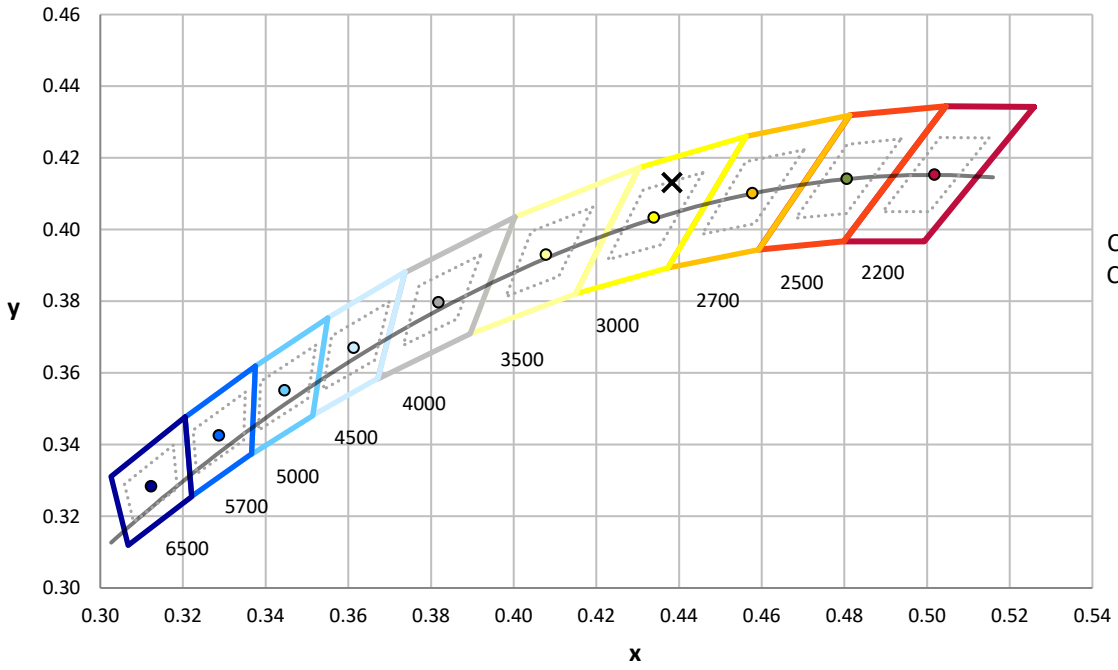
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

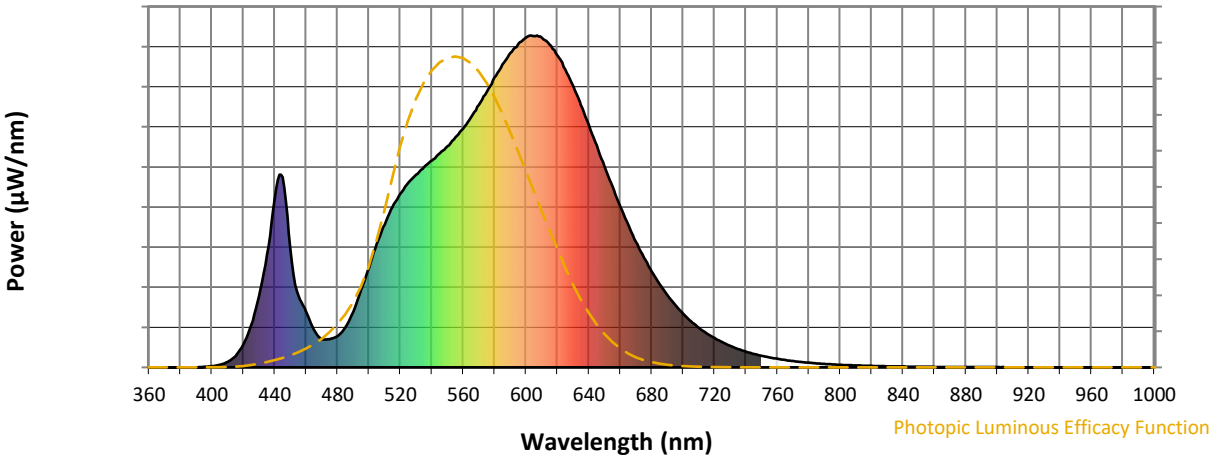


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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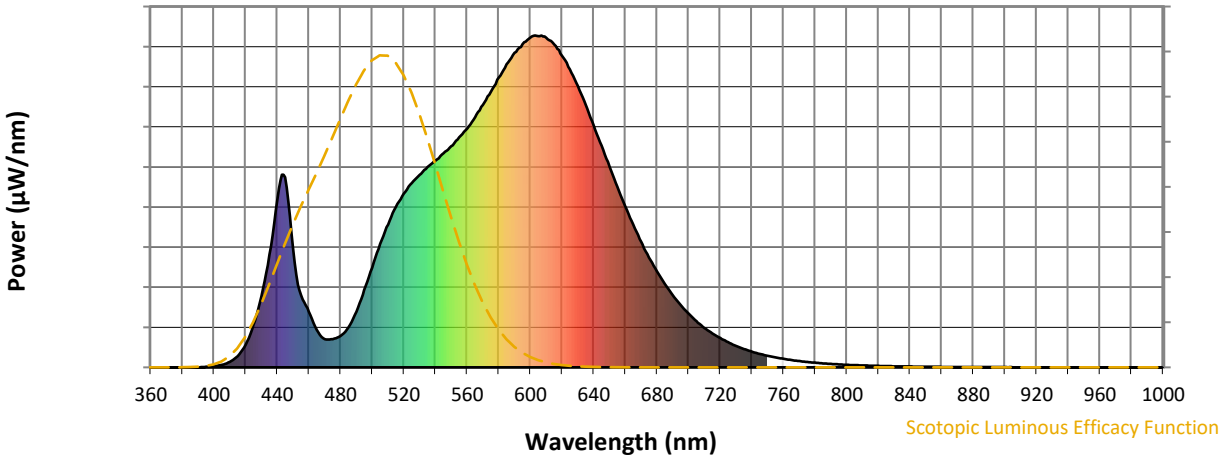
Scotopic Flux vs. Wavelength



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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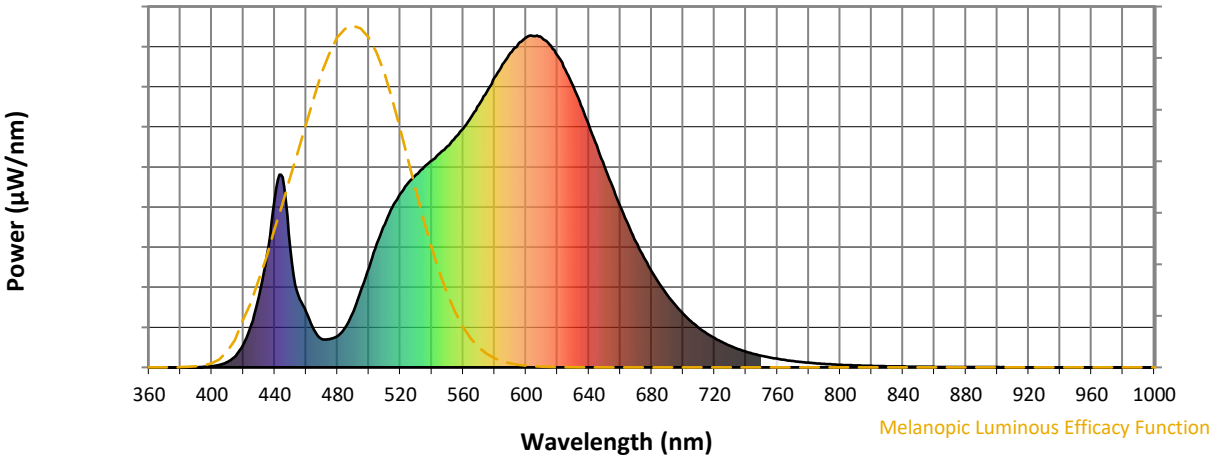
Melanopic Flux vs. Wavelength



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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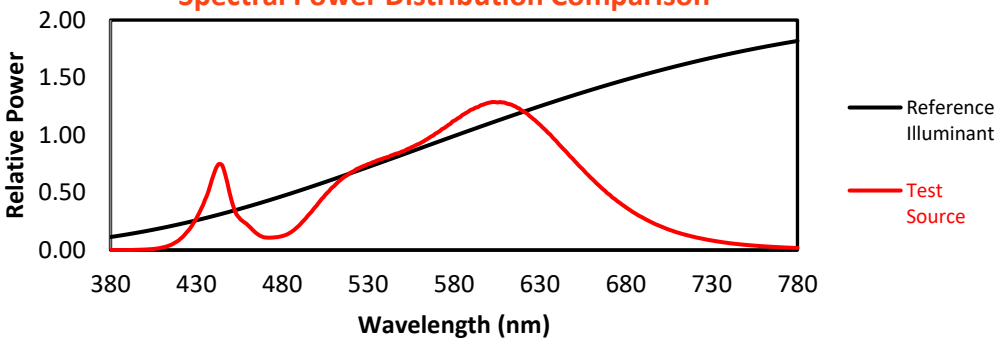
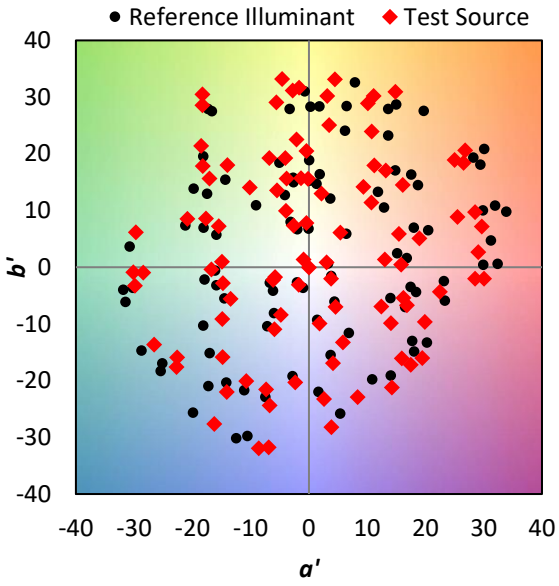
Summary

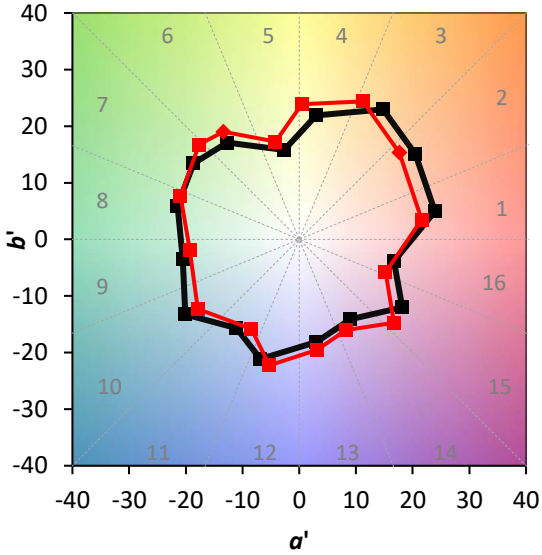
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

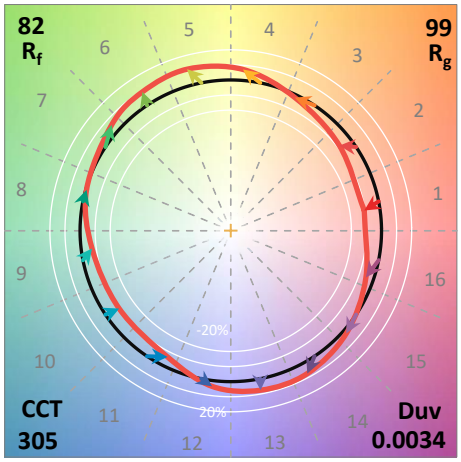
Spectral Power Distribution Comparison

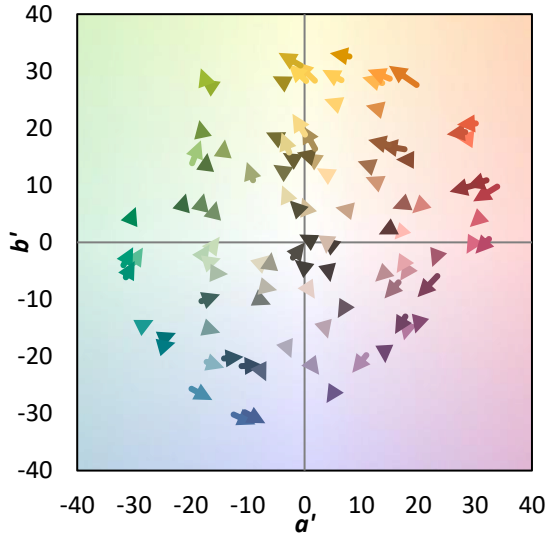


Color Vector Graphics









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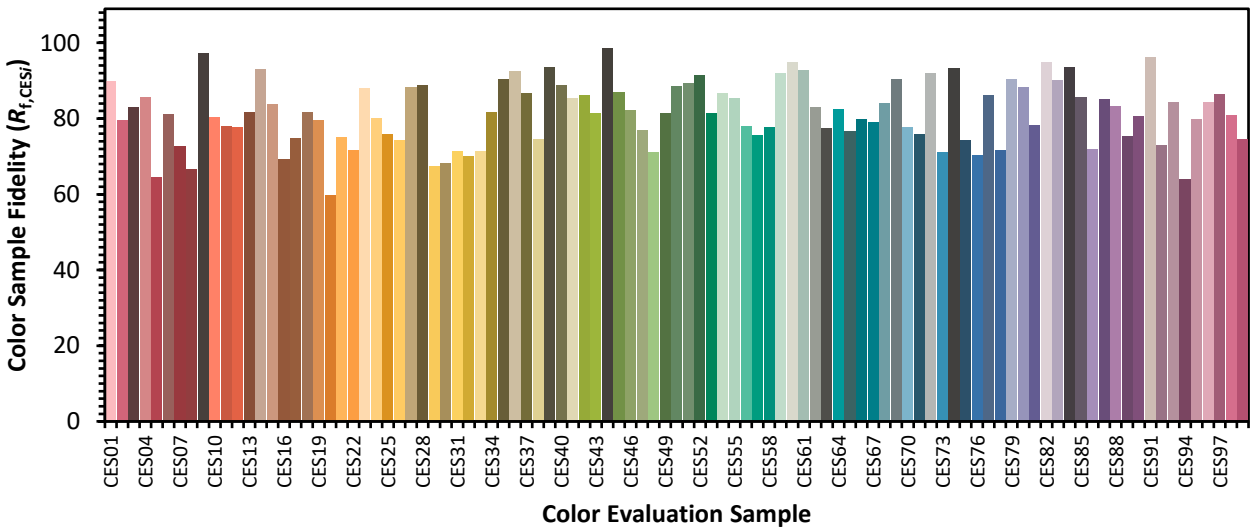
Individual Sample Fidelity Index ($R_{f,i}$)

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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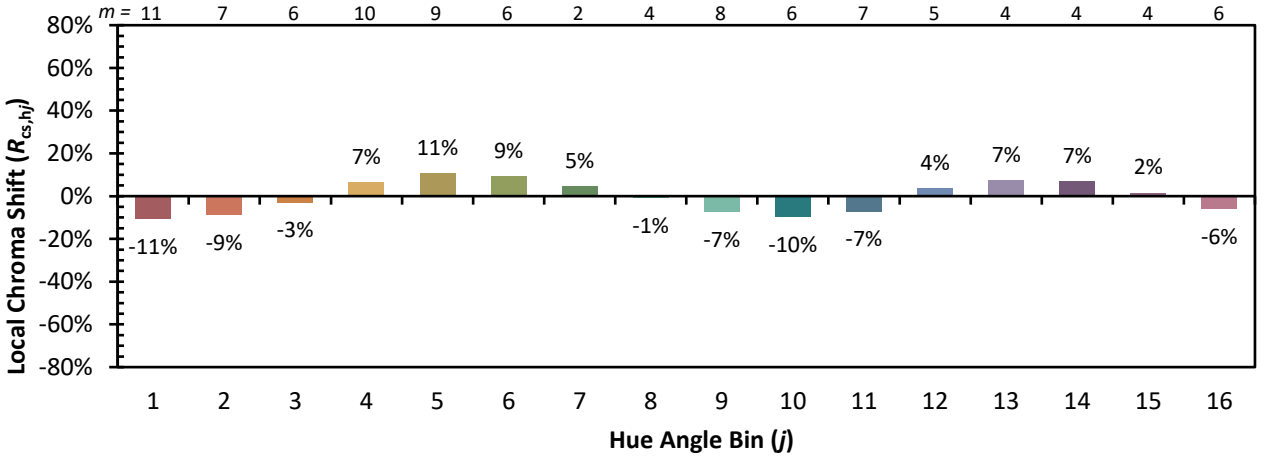
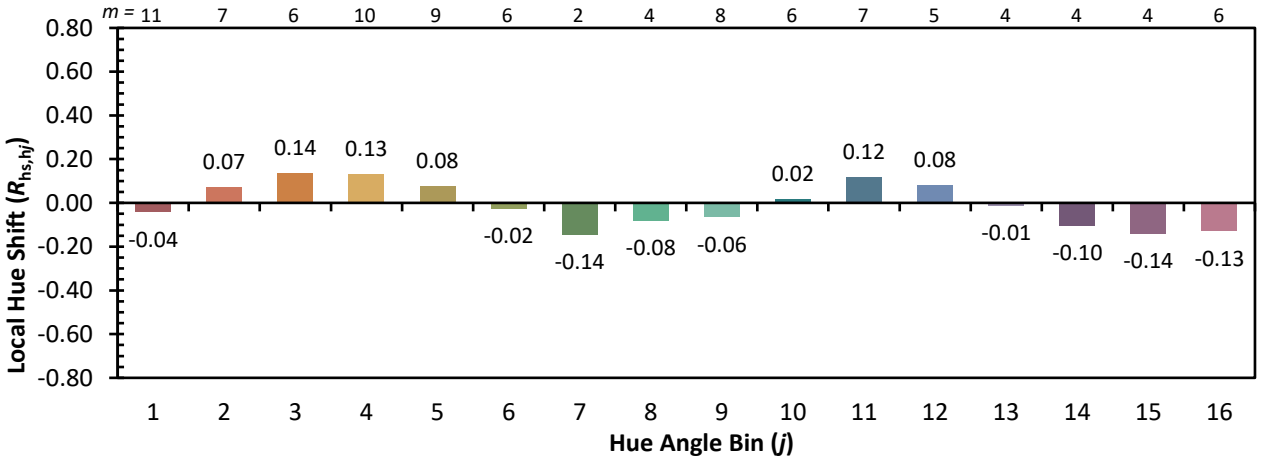
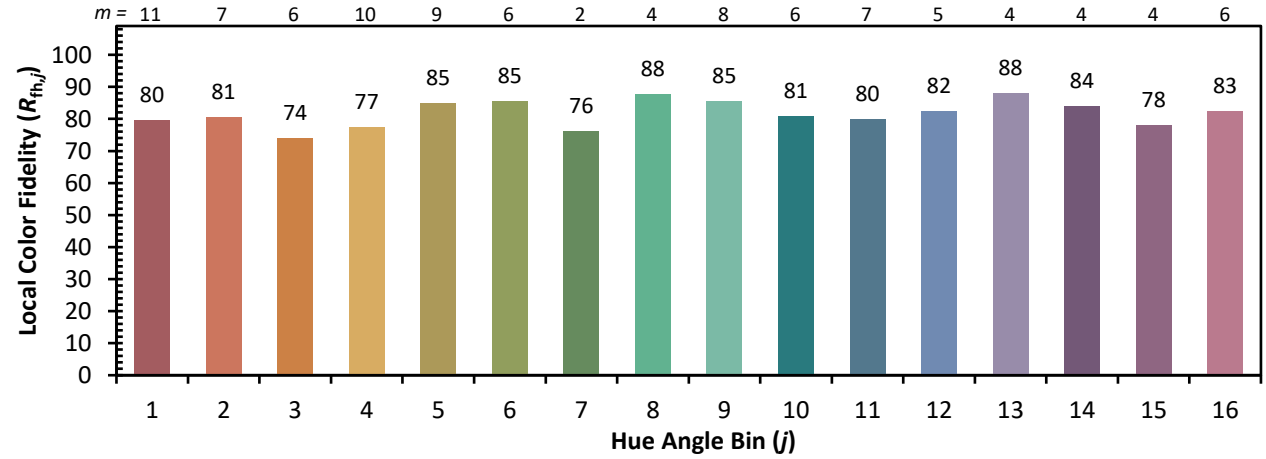
Color Rendition by Hue-Angle Bin







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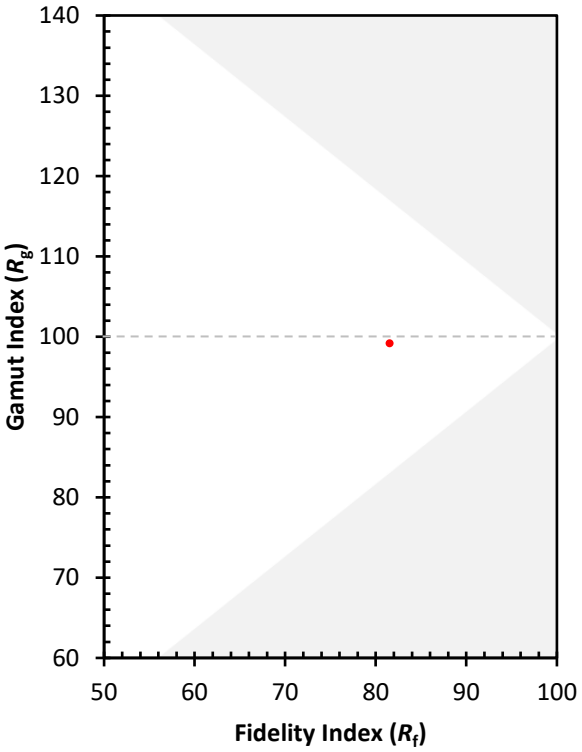
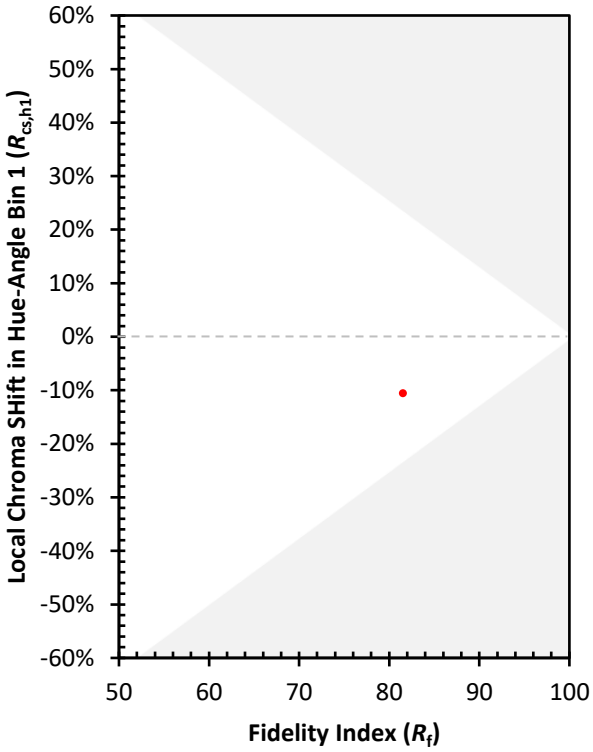
Measure Comparisons





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