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: P437429

Luminaire Tested: **ISC-SA1C-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:	P437429
	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:	ISC-SA1C-830-U-T2-HSS
Description:	IMPACT ELITE LED CYLINDER LUMINAIRE
	(1) 80 CRI, 3000K, 615mA 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:	2800 lumens
Efficiency:	N/A
Efficacy:	81.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	34.2
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: P437429
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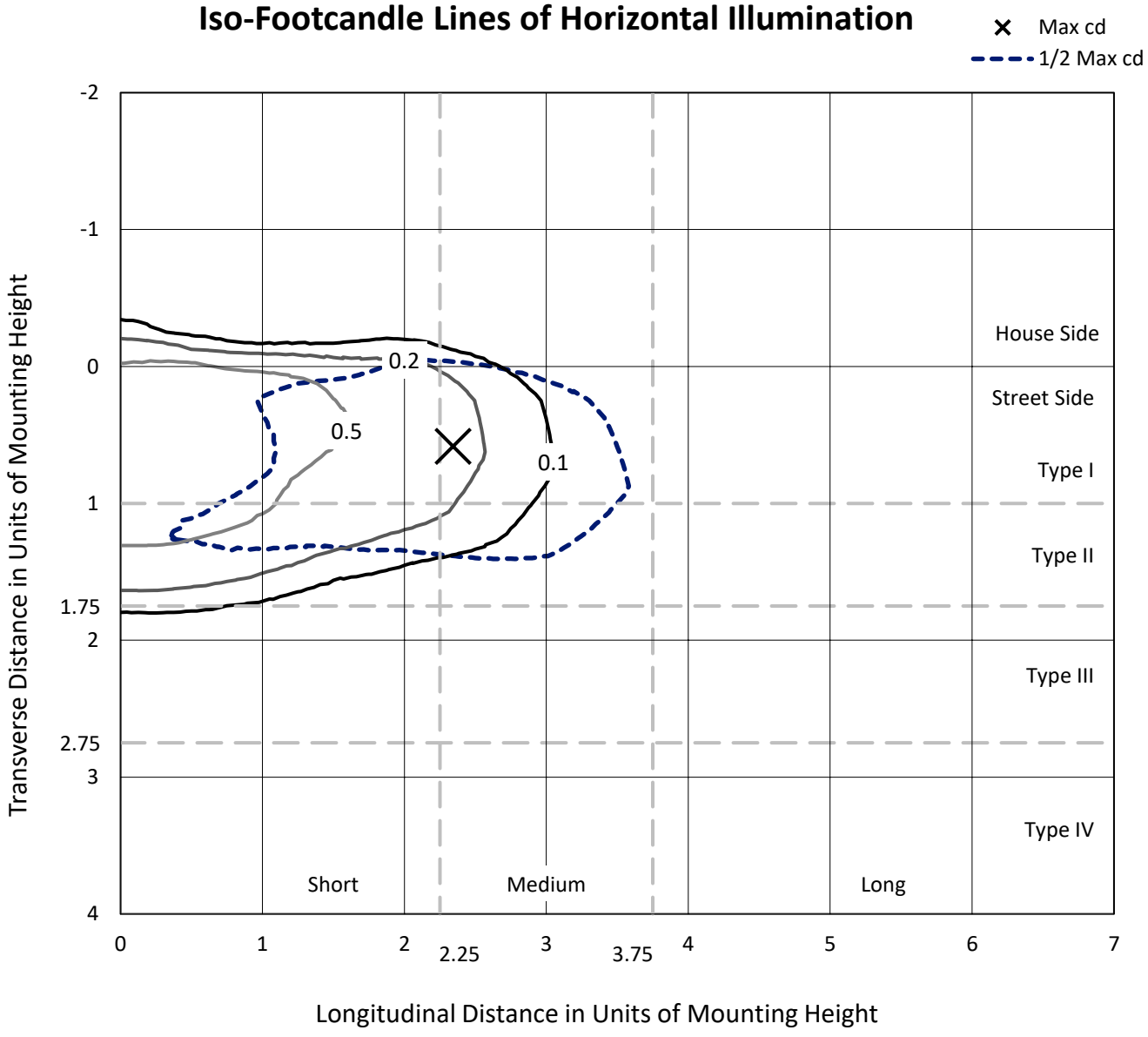
Iso-Footcandle Lines of Horizontal Illumination



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

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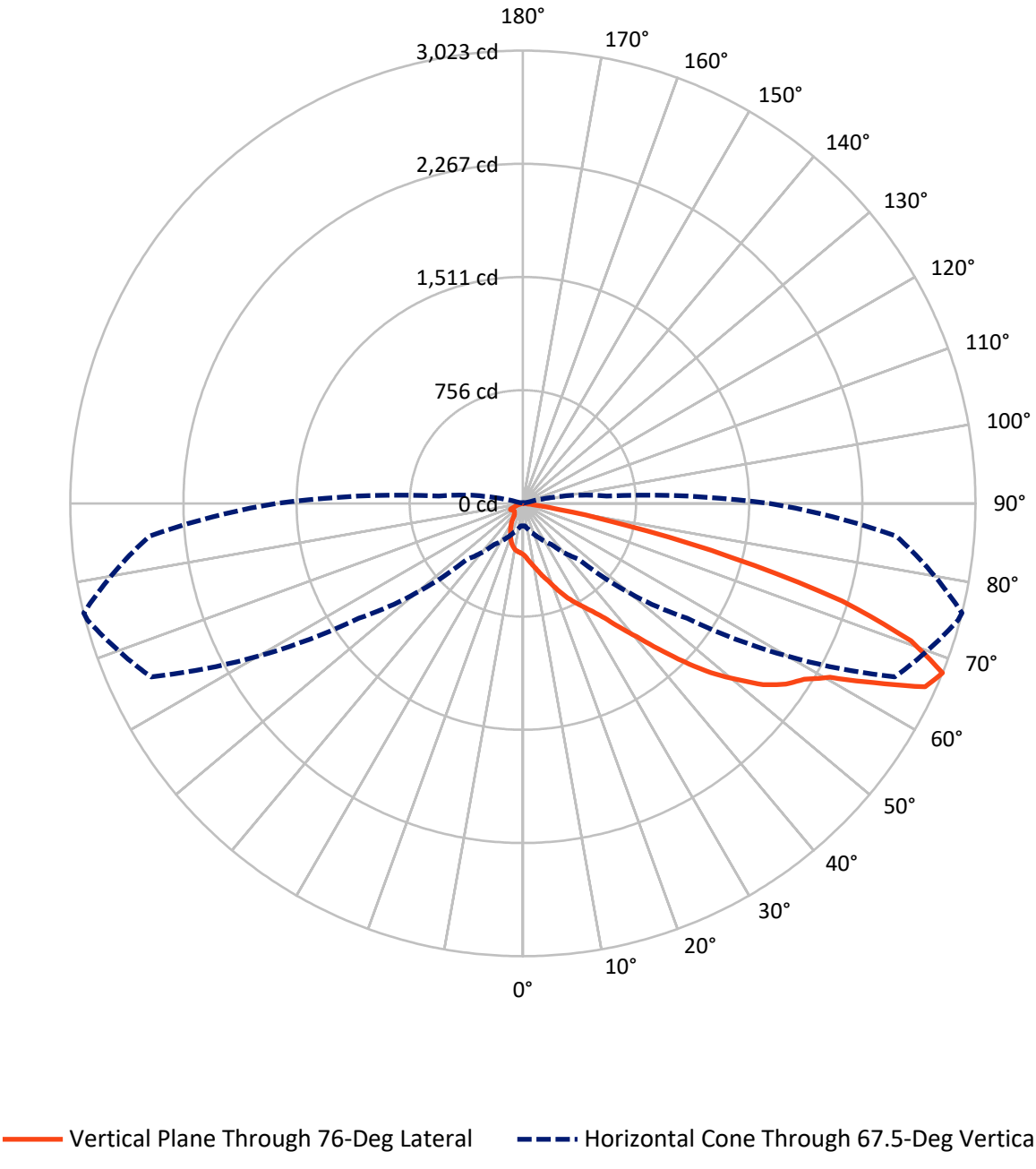
Luminous Intensity Polar Plot



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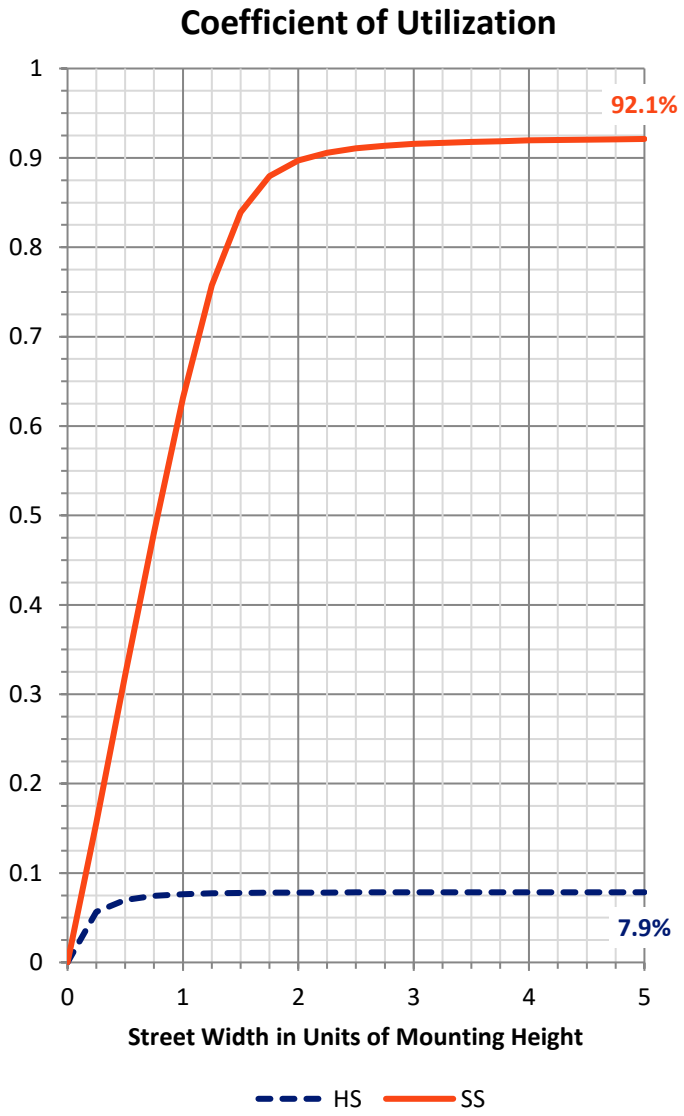
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	221.5	0.0	221.5
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	2578.5	0.0	2578.5
	% Fixture	92.1	0.0	92.1
Total	Lumens	2800.0	0.0	2800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.2
10°-20°	91.0	3.2
20°-30°	157.0	5.6
30°-40°	279.7	10.0
40°-50°	498.1	17.8
50°-60°	746.9	26.7
60°-70°	707.4	25.3
70°-80°	275.7	9.8
80°-90°	11.4	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°	2800.0	100.0
0°-180°	2800.0	100.0



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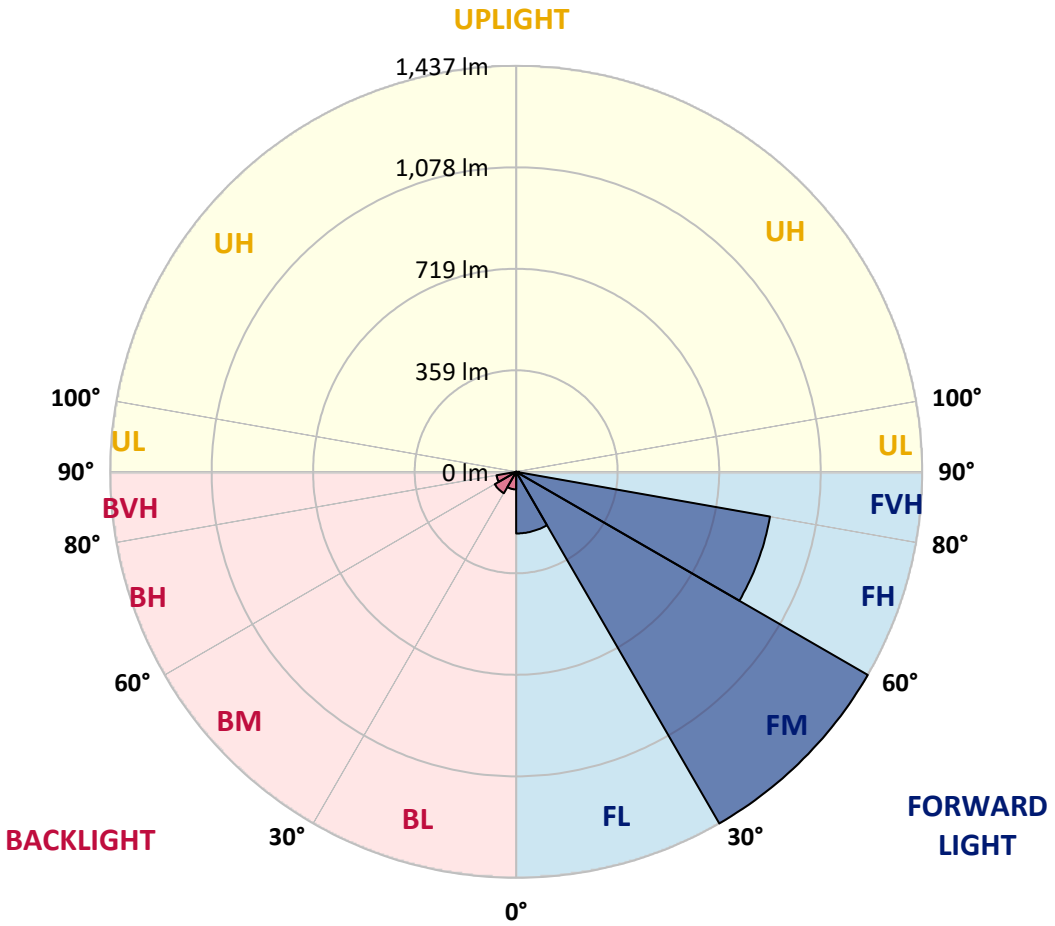
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	218.3	7.8			
FM	(30°-60°)	1437.3	51.3			
FH	(60°-80°)	912.5	32.6			G1/1800
FVH	(80°-90°)	10.4	0.4			G1/100
BL	(0°-30°)	62.4	2.2	B0/110		
BM	(30°-60°)	87.4	3.1	B0/220		
BH	(60°-80°)	70.7	2.5	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5	*340.5*	340.5
2.5°	403.4	399.4	396.8	395.5	392.9	385.0	378.5	366.7	356.2	*356.2*	349.7
5°	440.0	438.7	433.5	430.9	429.6	424.3	412.5	398.1	381.1	*379.8*	364.1
7.5°	450.5	451.8	451.8	454.4	455.8	453.1	442.7	429.6	407.3	*404.7*	381.1
10°	446.6	446.6	450.5	458.4	468.9	474.1	472.8	462.3	436.1	*433.5*	400.8
12.5°	432.2	434.8	441.3	454.4	474.1	489.8	499.0	495.0	468.9	*466.2*	426.9
15°	412.5	415.2	426.9	445.3	471.5	501.6	522.5	534.3	508.1	*505.5*	454.4
17.5°	385.0	387.7	400.8	428.3	464.9	506.8	547.4	571.0	548.7	*540.9*	483.3
20°	374.6	377.2	387.7	409.9	453.1	506.8	569.7	614.2	597.2	*590.6*	519.9
22.5°	416.5	415.2	406.0	408.6	441.3	502.9	586.7	667.9	654.8	*645.7*	559.2
25°	492.4	497.7	484.6	454.4	449.2	499.0	598.5	709.8	708.5	*699.3*	599.8
27.5°	580.2	582.8	568.4	537.0	493.7	506.8	611.6	751.7	758.3	*750.4*	631.2
30°	652.2	661.4	650.9	622.1	576.2	540.9	620.8	789.7	812.0	*801.5*	661.4
32.5°	755.7	759.6	749.1	707.2	660.1	606.4	637.8	822.5	870.9	*861.7*	696.7
35°	864.4	869.6	850.0	804.1	746.5	686.3	678.4	867.0	956.0	*937.7*	750.4
37.5°	961.3	966.5	957.3	901.0	844.7	780.5	750.4	927.2	1059.5	*1047.7*	817.2
40°	1038.5	1051.6	1049.0	1000.6	948.2	890.6	853.9	997.9	1178.7	*1168.2*	902.3
42.5°	1117.1	1126.3	1121.1	1085.7	1049.0	1013.7	967.8	1096.2	1331.9	*1326.7*	1008.4
45°	1215.3	1229.8	1223.2	1194.4	1149.9	1142.0	1098.8	1214.0	1513.9	*1506.1*	1136.8
47.5°	1360.7	1373.8	1363.3	1324.0	1273.0	1258.6	1221.9	1347.6	1692.1	*1688.1*	1263.8
50°	1439.3	1452.4	1479.9	1486.4	1452.4	1375.1	1331.9	1474.7	1851.8	*1845.3*	1385.6
52.5°	1411.8	1423.6	1490.4	1553.2	1627.9	1562.4	1465.5	1612.2	1998.5	*2010.3*	1504.8
55°	1293.9	1309.6	1405.2	1506.1	1686.8	1774.6	1663.2	1768.0	2113.8	*2130.8*	1583.4
57.5°	1055.6	1073.9	1197.0	1352.9	1596.5	1828.3	1908.1	1982.8	2192.3	*2214.6*	1684.2
60°	632.6	661.4	788.4	995.3	1333.2	1701.2	2082.3	2291.9	2345.6	*2356.0*	1899.0
62.5°	351.0	344.4	446.6	616.8	919.4	1381.7	2056.1	2667.7	2635.0	*2635.0*	2265.7
65°	210.9	217.4	269.8	366.7	534.3	911.5	1833.5	2899.5	2942.8	*2951.9*	2563.0
67.5°	*149.3*	*150.6*	*188.6*	*251.5*	*334.0*	*525.2*	*1337.1*	*2739.8*	*3009.6*	*3022.7*	*2504.0*
70°	96.9	98.2	134.9	179.4	238.4	289.4	817.2	2257.8	2756.8	*2750.2*	2214.6
72.5°	58.9	61.6	85.1	132.3	183.3	163.7	440.0	1631.8	2184.5	*2229.0*	1737.9
75°	36.7	39.3	51.1	91.7	128.3	111.3	193.8	1089.6	1409.2	*1443.2*	1122.4
77.5°	21.0	23.6	32.7	52.4	91.7	77.3	91.7	572.3	682.3	*704.6*	450.5
80°	7.9	9.2	17.0	26.2	56.3	47.1	41.9	193.8	217.4	*243.6*	137.5
82.5°	1.3	2.6	7.9	15.7	22.3	22.3	18.3	58.9	60.2	*64.2*	36.7
85°	0.0	0.0	2.6	3.9	3.9	3.9	6.5	11.8	18.3	*18.3*	10.5
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6	2.6	*2.6*	2.6
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: P437429
CATALOG NUMBER: ISC-SA1C-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5	340.5
2.5°	343.1	340.5	330.0	319.6	311.7	305.1	294.7	294.7	290.7	286.8	288.1
5°	352.3	344.4	324.8	305.1	286.8	269.8	255.4	248.8	239.7	237.0	235.7
7.5°	364.1	349.7	316.9	285.5	255.4	233.1	214.8	203.0	192.5	189.9	191.2
10°	378.5	357.5	307.8	259.3	222.6	195.1	174.2	165.0	153.2	149.3	145.4
12.5°	399.4	366.7	293.4	230.5	189.9	162.4	132.3	110.0	102.2	99.5	99.5
15°	416.5	371.9	275.0	203.0	162.4	119.2	94.3	90.4	89.1	89.1	89.1
17.5°	436.1	375.9	252.8	176.8	125.7	87.7	82.5	82.5	81.2	81.2	79.9
20°	457.1	377.2	229.2	153.2	89.1	78.6	74.6	73.3	70.7	69.4	69.4
22.5°	480.6	375.9	203.0	125.7	78.6	72.0	65.5	62.9	60.2	57.6	57.6
25°	500.3	373.2	179.4	90.4	72.0	62.9	56.3	52.4	49.8	48.5	47.1
27.5°	517.3	358.8	155.8	77.3	65.5	56.3	48.5	44.5	41.9	40.6	40.6
30°	518.6	335.3	136.2	72.0	60.2	49.8	41.9	39.3	38.0	36.7	36.7
32.5°	526.5	311.7	115.2	68.1	53.7	44.5	38.0	35.4	32.7	32.7	32.7
35°	542.2	290.7	89.1	61.6	48.5	39.3	34.1	31.4	30.1	28.8	28.8
37.5°	567.1	276.3	73.3	56.3	44.5	35.4	31.4	28.8	27.5	26.2	26.2
40°	599.8	268.5	66.8	51.1	39.3	32.7	28.8	26.2	23.6	22.3	22.3
42.5°	656.1	268.5	61.6	45.8	35.4	30.1	26.2	23.6	21.0	19.6	19.6
45°	721.6	279.0	57.6	40.6	31.4	27.5	23.6	19.6	17.0	15.7	15.7
47.5°	793.6	298.6	53.7	36.7	28.8	24.9	21.0	15.7	13.1	11.8	11.8
50°	877.5	327.4	51.1	32.7	26.2	22.3	17.0	11.8	10.5	9.2	9.2
52.5°	948.2	356.2	47.1	30.1	23.6	19.6	13.1	10.5	7.9	7.9	7.9
55°	1015.0	387.7	44.5	27.5	22.3	15.7	10.5	7.9	6.5	6.5	6.5
57.5°	1104.0	426.9	40.6	24.9	18.3	11.8	9.2	6.5	5.2	5.2	5.2
60°	1286.1	514.7	35.4	22.3	15.7	10.5	7.9	6.5	5.2	3.9	3.9
62.5°	1582.0	657.4	30.1	19.6	11.8	9.2	6.5	5.2	3.9	2.6	2.6
65°	1769.3	692.8	24.9	15.7	9.2	6.5	5.2	3.9	2.6	1.3	1.3
67.5°	*1648.8*	*563.1*	*19.6*	*11.8*	*7.9*	*5.2*	*3.9*	*2.6*	*1.3*	*0.0*	*0.0*
70°	1392.1	425.6	14.4	7.9	6.5	3.9	2.6	1.3	0.0	0.0	0.0
72.5°	1100.1	323.5	13.1	6.5	5.2	2.6	2.6	1.3	0.0	0.0	0.0
75°	721.6	166.3	10.5	6.5	3.9	2.6	1.3	1.3	0.0	0.0	0.0
77.5°	284.2	62.9	7.9	5.2	3.9	2.6	1.3	1.3	0.0	0.0	0.0
80°	77.3	21.0	3.9	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0
82.5°	19.6	9.2	2.6	2.6	1.3	1.3	1.3	1.3	1.3	0.0	0.0
85°	6.5	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	1.3	1.3	1.3	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

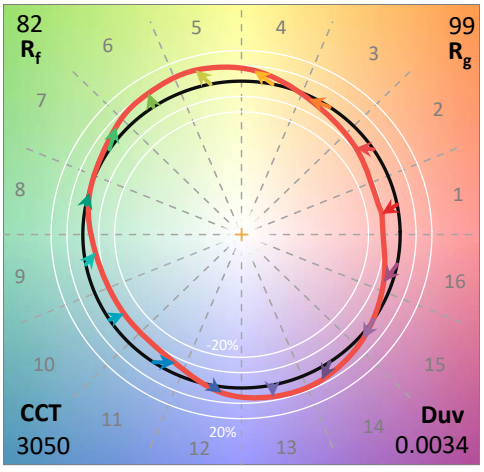
Test Information

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

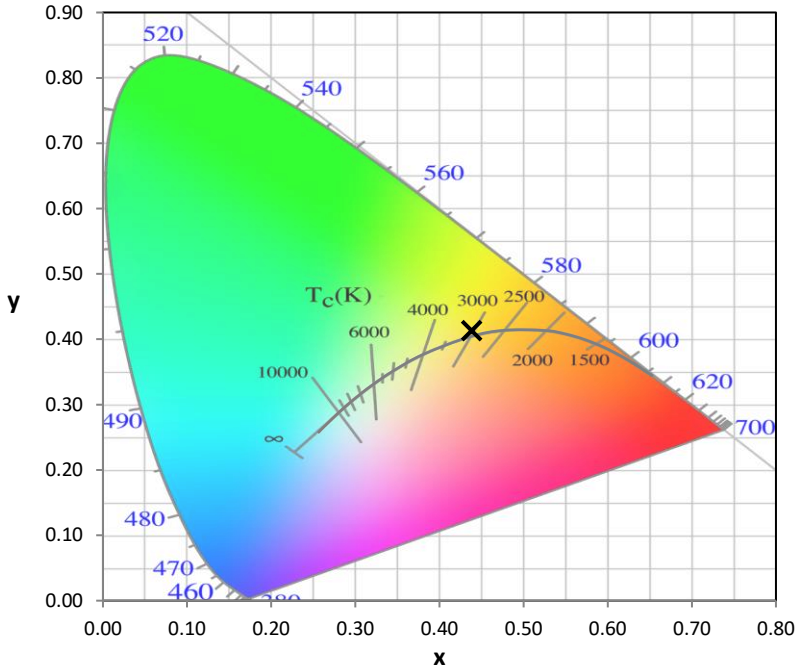
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

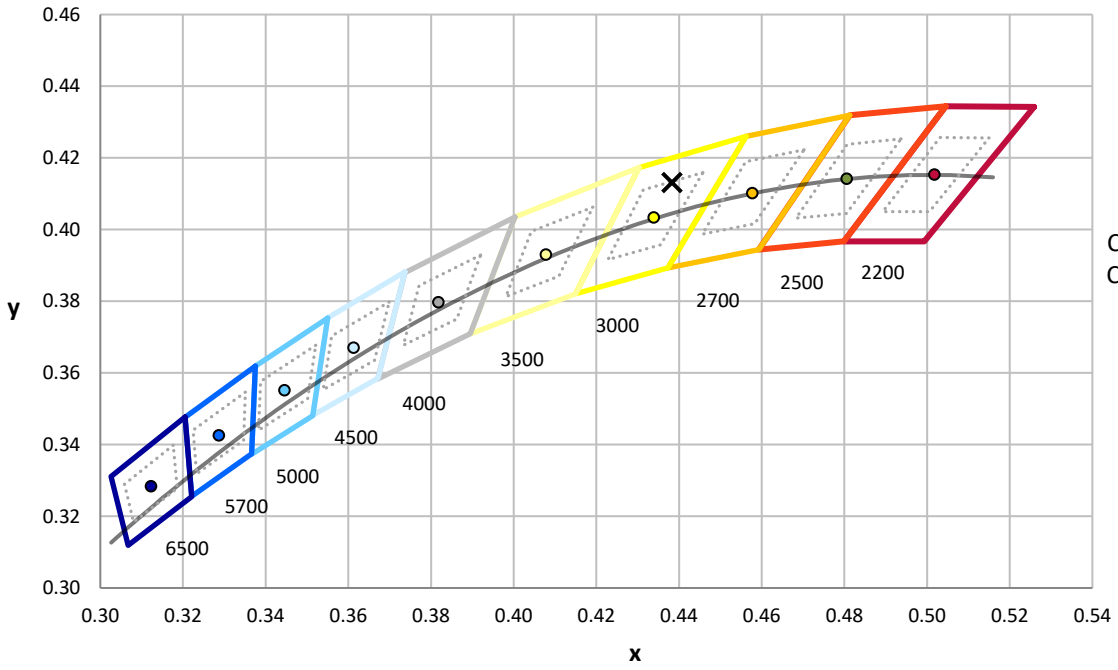
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

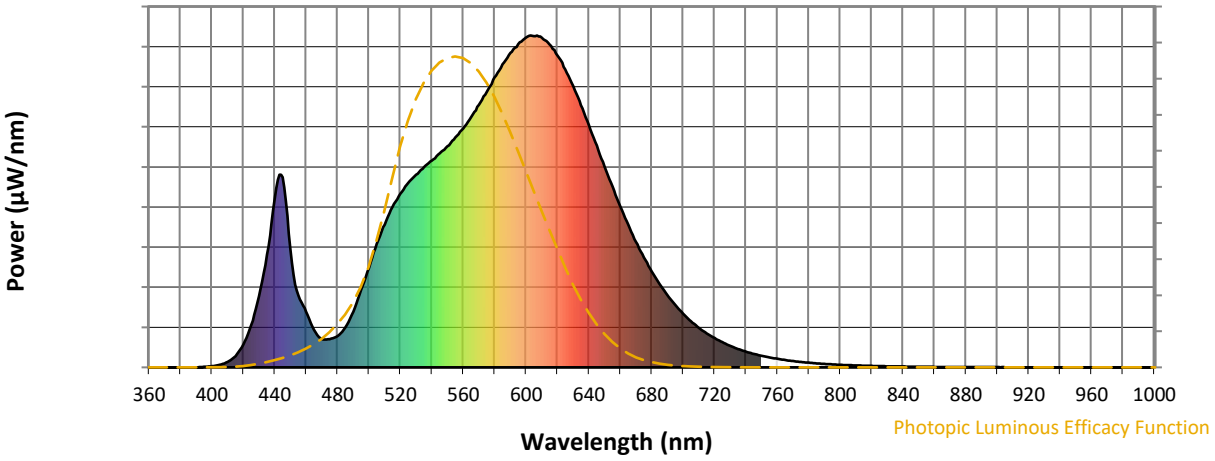


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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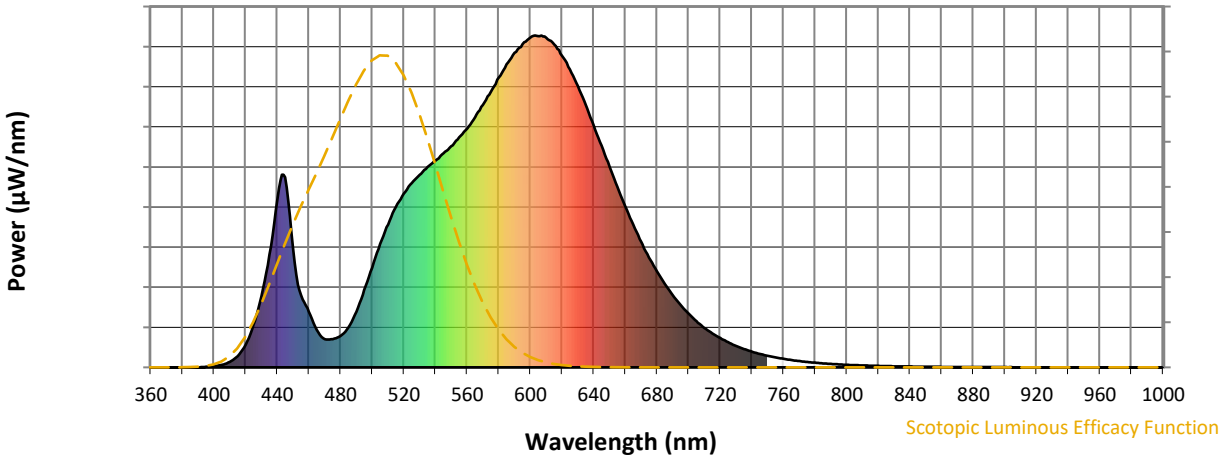
Scotopic Flux vs. Wavelength



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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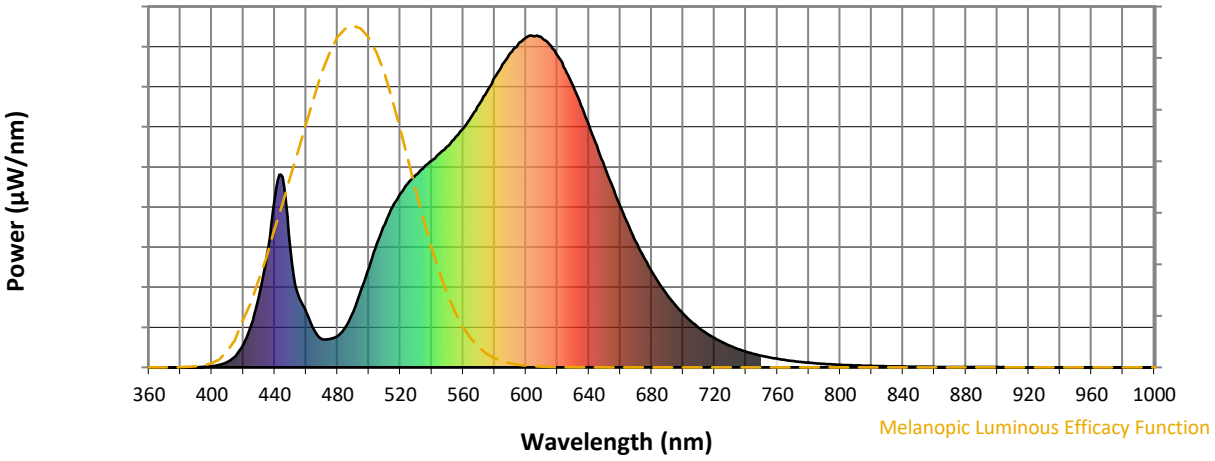
Melanopic Flux vs. Wavelength



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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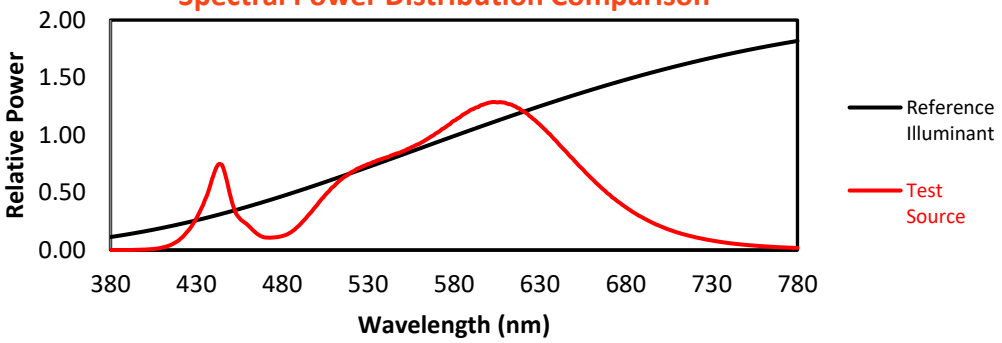
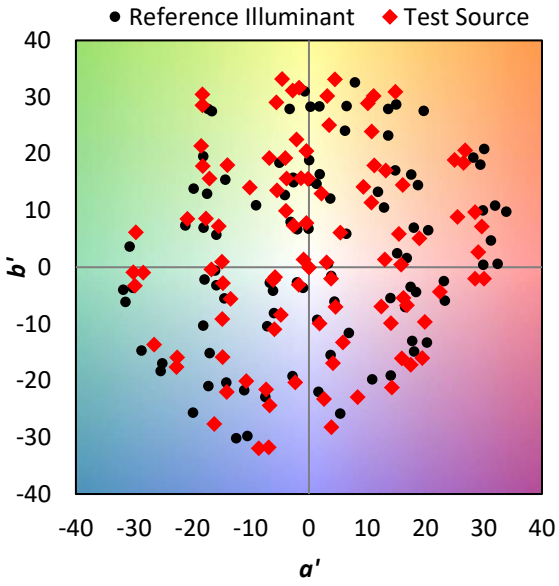
Summary

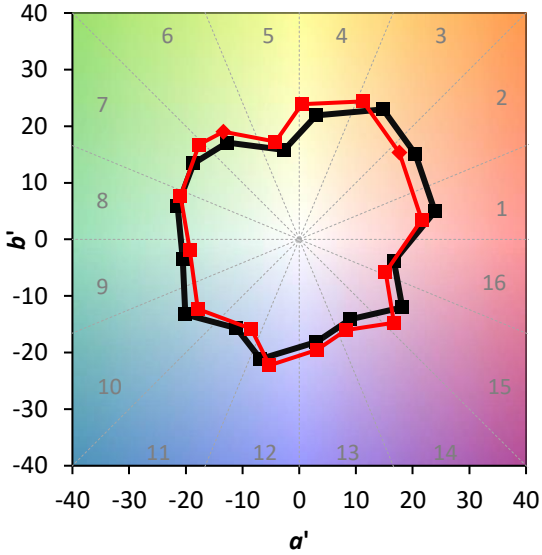
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

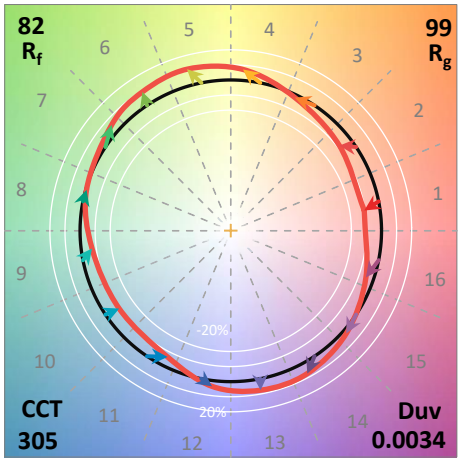
Spectral Power Distribution Comparison

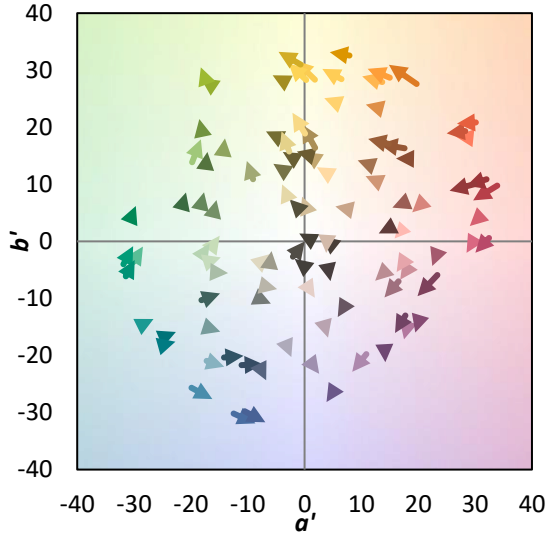


Color Vector Graphics









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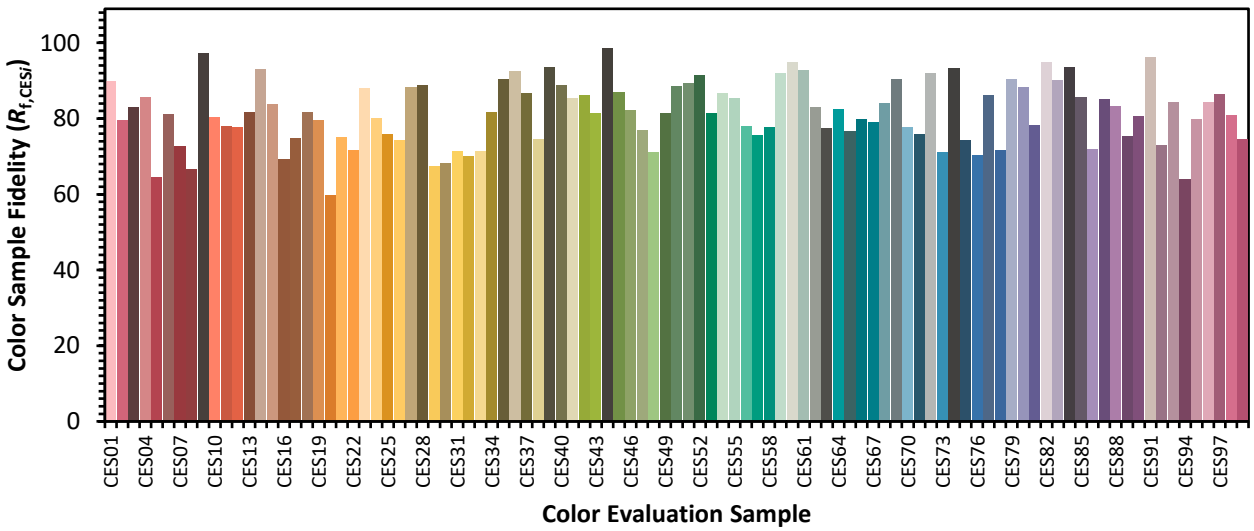
Individual Sample Fidelity Index ($R_{f,i}$)

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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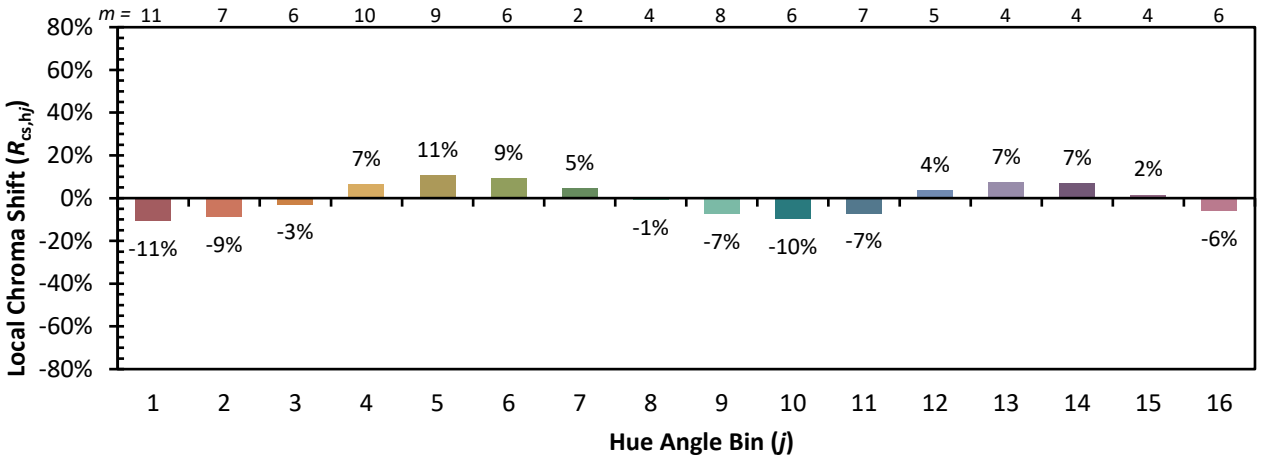
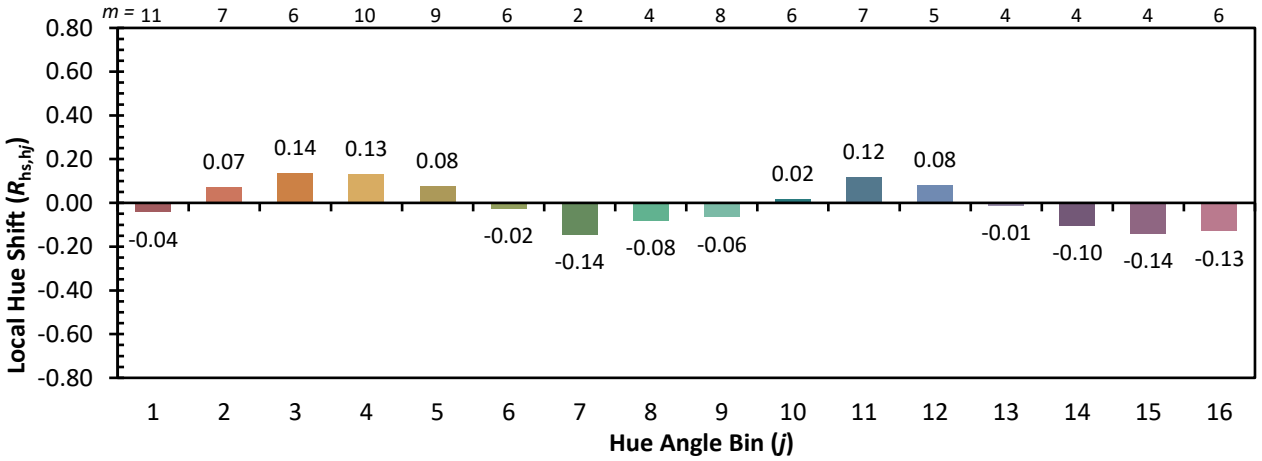
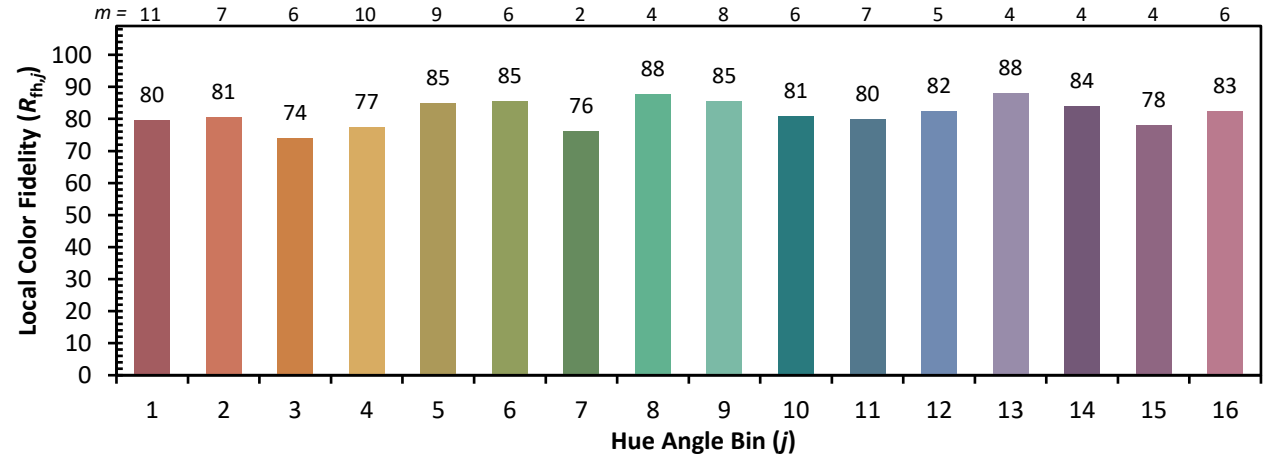
Color Rendition by Hue-Angle Bin







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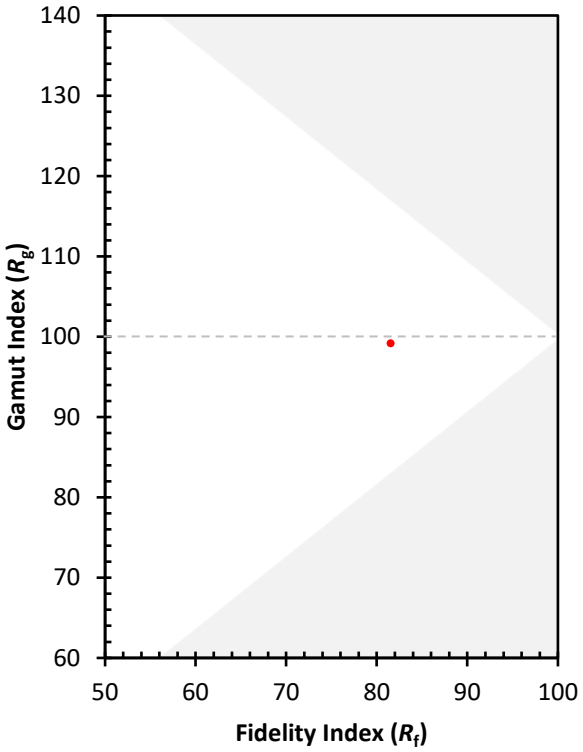
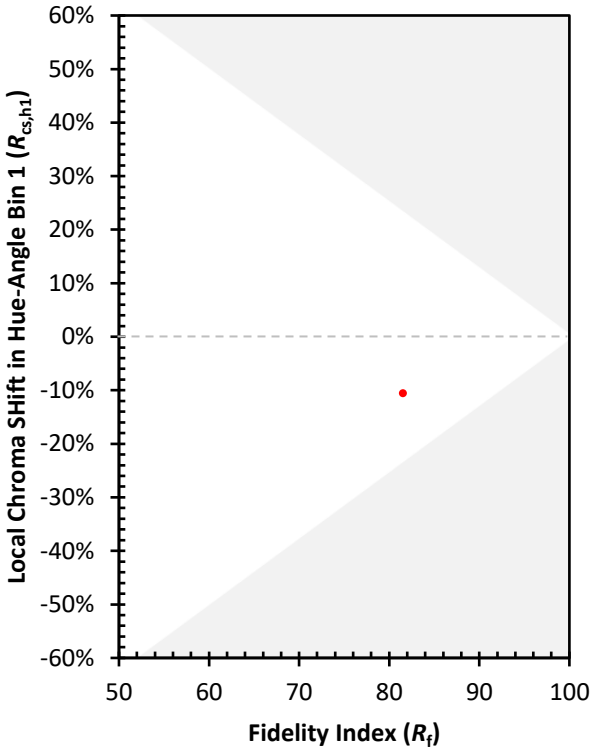
Measure Comparisons





(END OF REPORT)