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: P437261

Luminaire Tested: **ISS-SA1B-830-U-T3**

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:	P437261
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-8)
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-T3
Description:	IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2757 lumens
Efficiency:	N/A
Efficacy:	108.5 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):	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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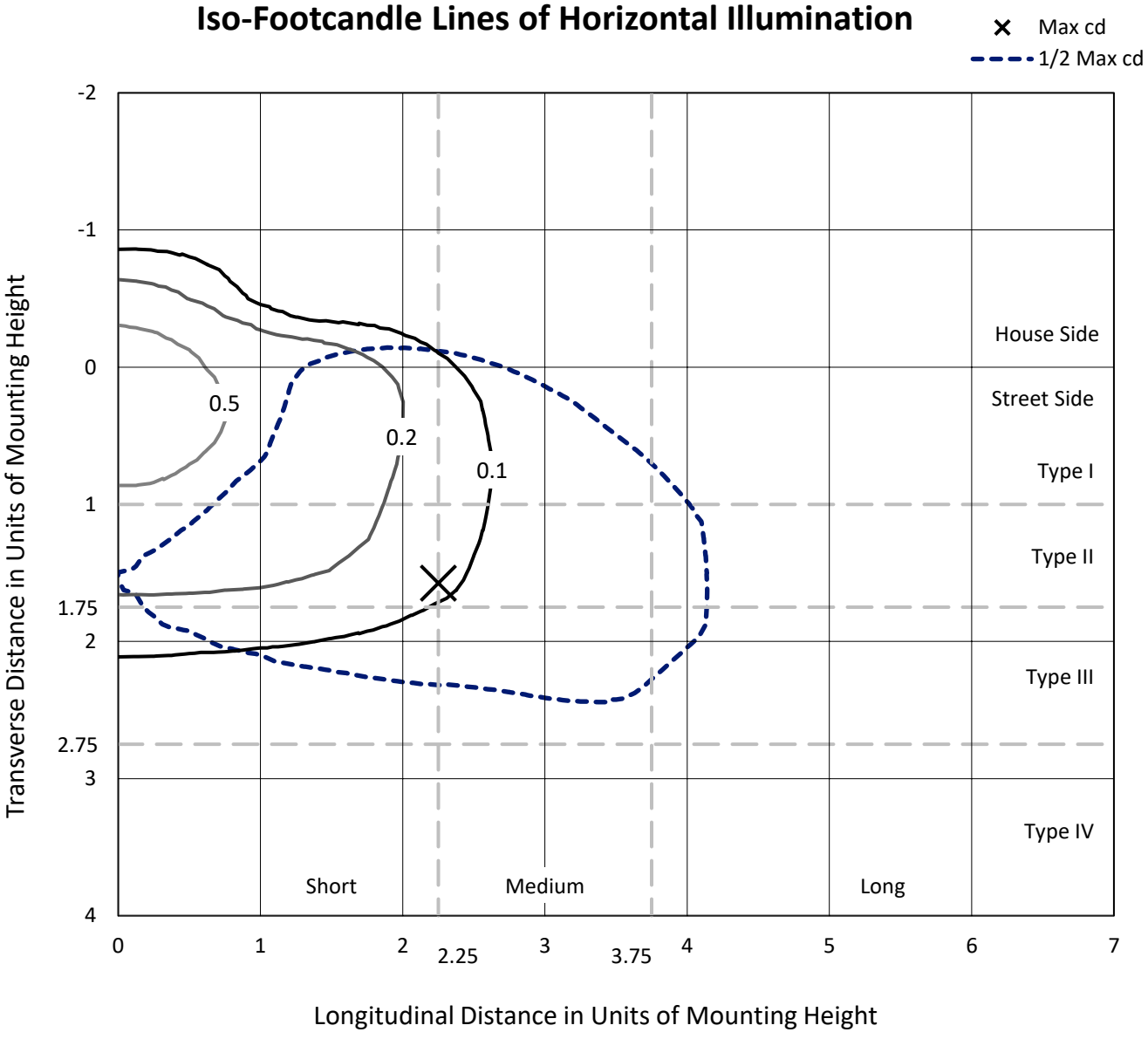
REPORT NUMBER: P437261
CATALOG NUMBER: ISS-SA1B-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Medium - N/A

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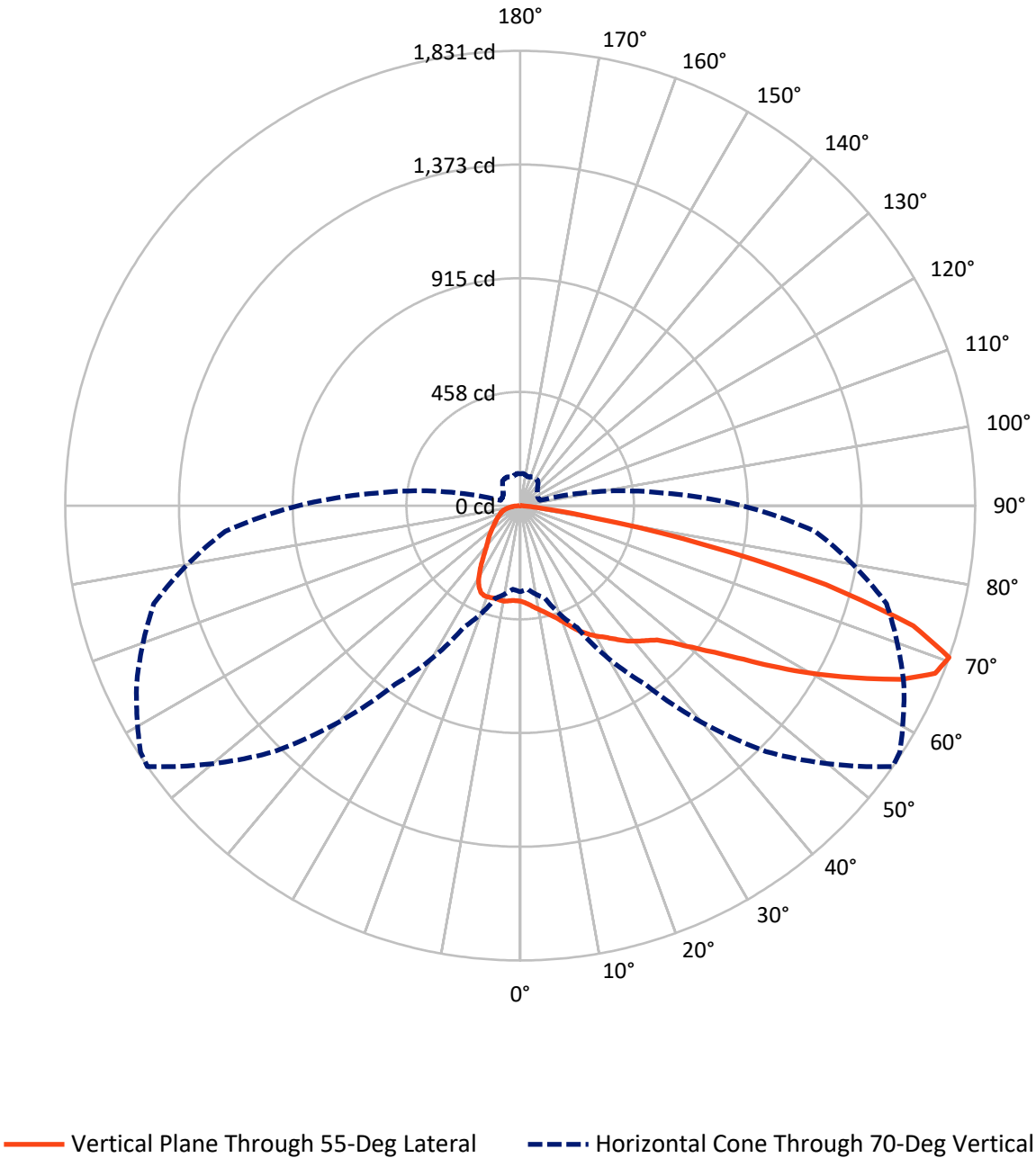
Luminous Intensity Polar Plot



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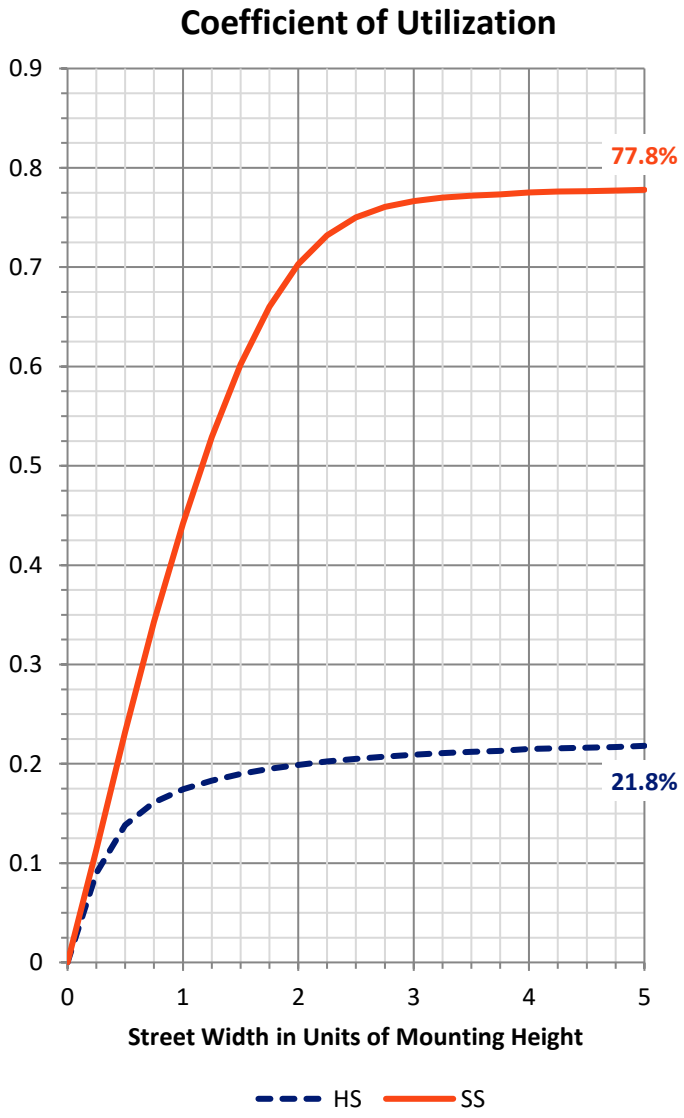
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	609.8	0.0	609.8
	% Fixture	22.1	0.0	22.1
Street Side	Lumens	2147.2	0.0	2147.2
	% Fixture	77.9	0.0	77.9
Total	Lumens	2757.0	0.0	2757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	1.4
10°-20°	120.7	4.4
20°-30°	209.9	7.6
30°-40°	295.9	10.7
40°-50°	392.1	14.2
50°-60°	571.3	20.7
60°-70°	712.9	25.9
70°-80°	379.7	13.8
80°-90°	36.6	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°	2757.0	100.0
0°-180°	2757.0	100.0



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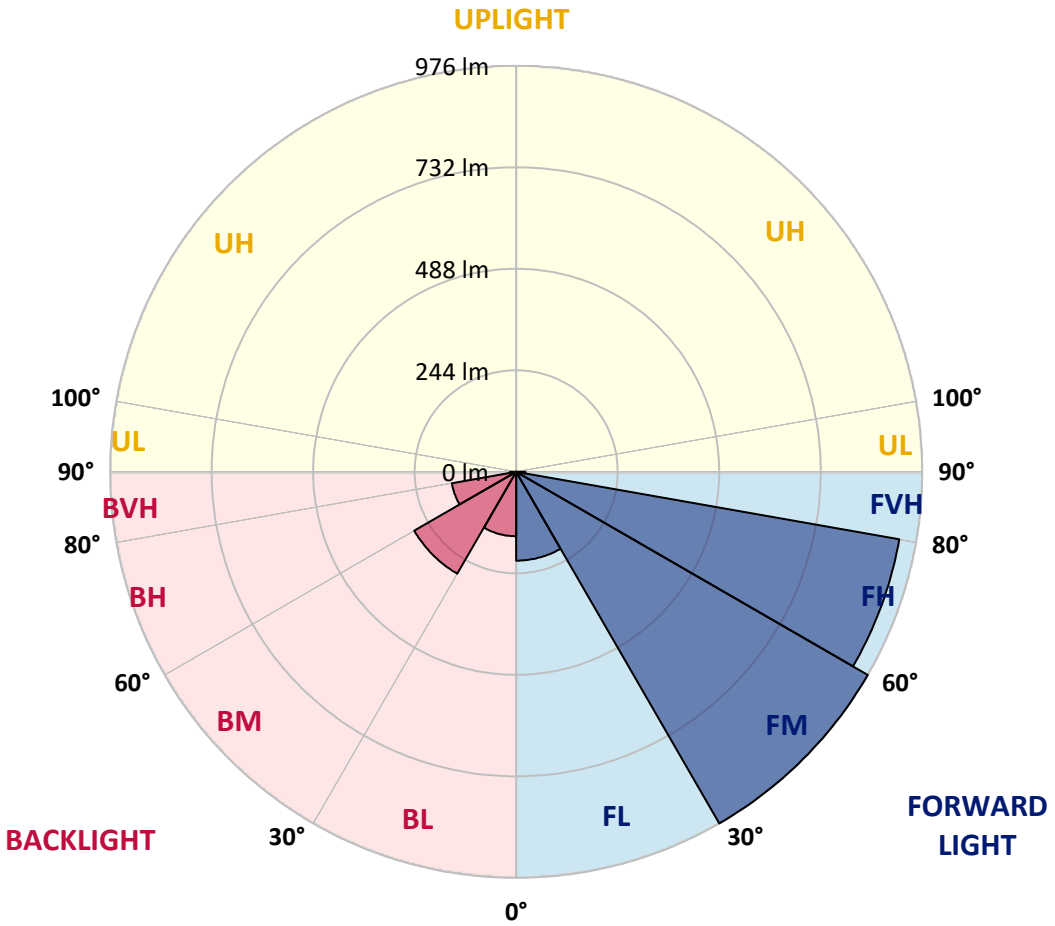
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	213.6	7.7			
FM	(30°-60°)	976.3	35.4			
FH	(60°-80°)	935.4	33.9			G1/1800
FVH	(80°-90°)	21.8	0.8			G1/100
BL	(0°-30°)	155.0	5.6	B1/500		
BM	(30°-60°)	283.0	10.3	B1/1000		
BH	(60°-80°)	157.1	5.7	B1/500		G1/500
BVH	(80°-90°)	14.7	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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CATALOG NUMBER: ISS-SA1B-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	385.0	385.0	385.0	385.0	385.0	385.0	*385.0*	385.0	385.0	385.0	385.0
2.5°	397.9	396.9	396.9	395.9	394.9	394.0	*392.0*	390.0	390.0	388.0	388.0
5°	407.8	405.9	406.9	405.9	405.9	403.9	*400.9*	400.9	399.9	394.9	391.0
7.5°	417.8	416.8	416.8	417.8	416.8	414.8	*413.8*	412.8	408.8	402.9	396.9
10°	431.7	431.7	431.7	430.7	430.7	428.7	*425.7*	425.7	420.8	413.8	406.9
12.5°	452.5	451.5	450.5	450.5	447.5	443.6	*440.6*	440.6	437.6	426.7	417.8
15°	476.3	473.3	471.4	471.4	467.4	460.4	*457.5*	458.5	455.5	442.6	429.7
17.5°	500.1	500.1	498.2	493.2	488.2	483.3	*476.3*	478.3	475.3	462.4	445.6
20°	522.0	520.0	520.0	517.0	510.1	504.1	*500.1*	499.1	497.2	483.3	463.4
22.5°	545.8	544.8	541.8	539.8	534.9	531.9	*529.9*	529.9	522.0	503.1	477.3
25°	574.6	573.6	573.6	565.6	561.7	556.7	*559.7*	556.7	552.7	524.9	492.2
27.5°	603.3	603.3	602.3	598.4	587.5	584.5	*586.5*	584.5	583.5	545.8	506.1
30°	634.1	633.1	630.1	629.1	618.2	610.3	*609.3*	605.3	605.3	564.6	516.0
32.5°	659.9	658.9	660.9	656.9	650.0	639.1	*632.1*	632.1	625.2	583.5	527.9
35°	683.7	685.7	685.7	683.7	677.8	666.8	*659.9*	661.9	652.0	600.4	542.8
37.5°	710.5	708.5	705.6	703.6	695.6	690.7	*690.7*	692.6	677.8	618.2	562.7
40°	716.5	721.4	728.4	720.4	716.5	715.5	*717.5*	712.5	697.6	646.0	596.4
42.5°	728.4	732.3	745.2	742.3	739.3	742.3	*742.3*	735.3	728.4	683.7	642.0
45°	758.1	765.1	775.0	776.0	775.0	780.0	*771.0*	770.1	769.1	738.3	703.6
47.5°	790.9	798.8	821.7	818.7	829.6	839.5	*823.6*	822.6	825.6	810.7	782.0
50°	829.6	837.5	866.3	877.2	907.0	924.9	*896.1*	883.2	904.0	903.0	881.2
52.5°	874.2	884.2	904.0	941.7	992.3	1011.2	*980.4*	969.5	994.3	1006.2	986.4
55°	905.0	912.9	943.7	1002.3	1084.6	1109.4	*1091.6*	1081.6	1108.4	1118.4	1097.5
57.5°	915.9	917.9	963.6	1055.8	1170.0	1233.5	*1230.5*	1223.5	1212.6	1237.4	1231.5
60°	897.1	908.0	966.5	1079.7	1246.4	1366.4	*1377.4*	1361.5	1347.6	1353.5	1333.7
62.5°	872.3	881.2	942.7	1082.6	1298.0	1486.5	*1527.2*	1509.3	1474.6	1458.7	1412.1
65°	784.9	784.9	845.5	1022.1	1289.0	1584.8	*1685.0*	1654.2	1590.7	1534.1	1409.1
67.5°	600.4	597.4	655.9	839.5	1163.0	1594.7	*1801.1*	1785.2	1683.0	1562.9	1353.5
70°	*346.3*	*337.4*	*386.0*	*541.8*	*878.2*	*1400.2*	*1830.9*	*1821.9*	*1703.8*	*1526.2*	*1191.8*
72.5°	120.1	128.0	159.8	230.2	483.3	1008.2	*1654.2*	1673.1	1604.6	1386.3	957.6
75°	62.5	62.5	73.4	100.2	204.4	520.0	*1271.2*	1329.7	1344.6	1160.0	683.7
77.5°	45.6	46.6	52.6	64.5	97.2	199.5	*763.1*	818.7	930.8	798.8	394.9
80°	30.8	31.8	37.7	42.7	59.5	77.4	*304.6*	334.4	461.4	357.2	152.8
82.5°	22.8	23.8	23.8	24.8	32.7	35.7	*80.4*	99.2	158.8	106.2	54.6
85°	5.0	5.0	9.9	9.9	9.9	9.9	*17.9*	19.8	29.8	31.8	17.9
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	*2.0*	2.0	2.0	3.0	3.0
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: P437261
CATALOG NUMBER: ISS-SA1B-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0	385.0
2.5°	387.0	386.0	385.0	384.0	383.0	382.0	381.1	382.0	382.0	384.0	385.0
5°	390.0	387.0	386.0	384.0	383.0	383.0	383.0	384.0	385.0	386.0	387.0
7.5°	394.9	394.0	391.0	387.0	386.0	386.0	384.0	384.0	384.0	386.0	386.0
10°	403.9	400.9	396.9	393.0	390.0	384.0	379.1	375.1	377.1	380.1	380.1
12.5°	413.8	408.8	403.9	396.9	389.0	379.1	374.1	375.1	375.1	378.1	379.1
15°	426.7	422.7	411.8	399.9	386.0	378.1	376.1	374.1	374.1	376.1	378.1
17.5°	440.6	433.7	419.8	401.9	388.0	379.1	375.1	367.2	363.2	362.2	364.2
20°	453.5	445.6	426.7	403.9	390.0	378.1	364.2	351.3	341.4	339.4	337.4
22.5°	464.4	454.5	431.7	407.8	390.0	368.2	344.3	325.5	311.6	307.6	309.6
25°	476.3	461.4	437.6	411.8	383.0	348.3	315.6	292.7	278.8	272.9	272.9
27.5°	486.2	471.4	443.6	408.8	365.2	321.5	283.8	261.0	250.1	244.1	243.1
30°	495.2	479.3	455.5	399.9	339.4	284.8	252.1	236.2	229.2	222.3	223.3
32.5°	507.1	493.2	464.4	381.1	304.6	251.1	226.3	218.3	211.4	206.4	208.4
35°	524.0	516.0	467.4	357.2	268.9	227.2	210.4	201.4	195.5	188.5	188.5
37.5°	547.8	540.8	457.5	321.5	237.2	209.4	197.5	185.6	175.6	167.7	165.7
40°	576.5	566.6	440.6	281.8	212.4	197.5	186.6	171.7	157.8	146.9	144.9
42.5°	622.2	593.4	415.8	241.1	194.5	187.6	172.7	153.8	139.9	132.0	130.0
45°	670.8	624.2	380.1	206.4	180.6	175.6	158.8	139.9	130.0	124.0	123.0
47.5°	732.3	657.9	346.3	180.6	164.7	163.7	143.9	132.0	124.0	120.1	119.1
50°	813.7	700.6	312.6	160.8	150.8	147.9	136.9	127.0	121.1	118.1	117.1
52.5°	908.0	750.2	285.8	145.9	137.9	135.9	133.0	125.0	121.1	118.1	117.1
55°	997.3	801.8	257.0	132.0	127.0	129.0	131.0	125.0	122.1	120.1	118.1
57.5°	1095.5	845.5	224.3	121.1	118.1	123.0	129.0	126.0	124.0	121.1	120.1
60°	1156.1	876.2	180.6	111.1	111.1	118.1	126.0	124.0	120.1	120.1	120.1
62.5°	1182.9	871.3	142.9	101.2	103.2	112.1	121.1	119.1	116.1	121.1	121.1
65°	1148.1	814.7	116.1	92.3	95.3	104.2	116.1	116.1	116.1	124.0	124.0
67.5°	1057.8	729.4	95.3	84.3	87.3	98.2	116.1	123.0	122.1	131.0	131.0
70°	*893.1*	*578.5*	*82.4*	*78.4*	*82.4*	*98.2*	*123.0*	*127.0*	*120.1*	*130.0*	*128.0*
72.5°	680.7	403.9	73.4	72.4	77.4	95.3	124.0	122.1	113.1	116.1	113.1
75°	447.5	245.1	64.5	66.5	68.5	84.3	118.1	114.1	103.2	101.2	99.2
77.5°	246.1	123.0	56.6	59.5	59.5	71.4	107.2	98.2	89.3	84.3	82.4
80°	98.2	62.5	49.6	52.6	48.6	57.6	80.4	76.4	68.5	64.5	62.5
82.5°	44.7	34.7	41.7	43.7	36.7	42.7	59.5	57.6	51.6	44.7	42.7
85°	16.9	19.8	31.8	29.8	25.8	24.8	33.7	30.8	24.8	19.8	19.8
87.5°	2.0	4.0	7.9	10.9	6.0	4.0	2.0	1.0	1.0	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

Cooper Lighting Solutions Photometric Lab
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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

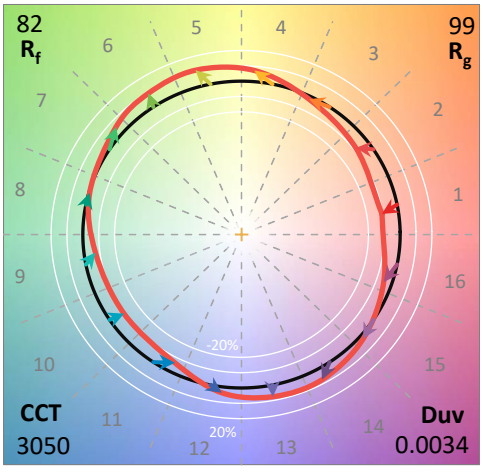
Test Information

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

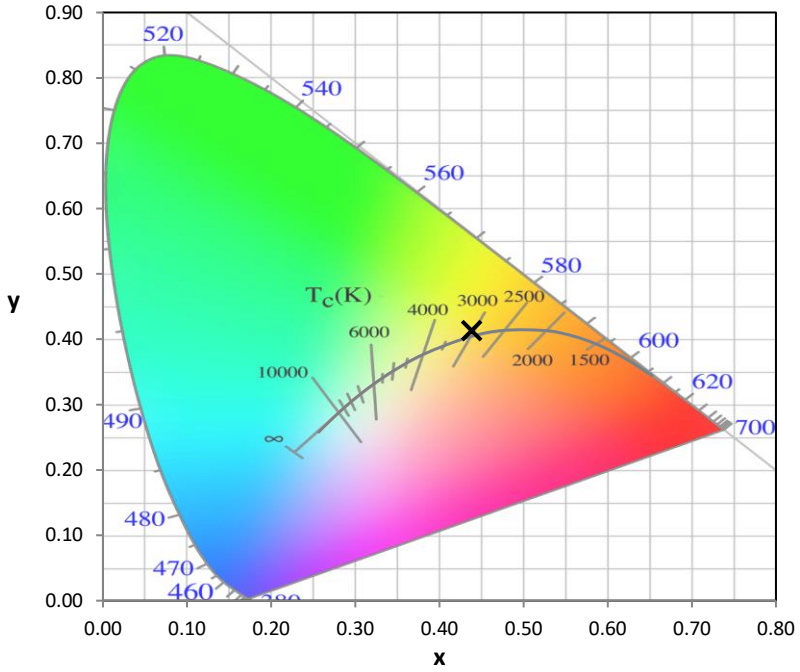
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

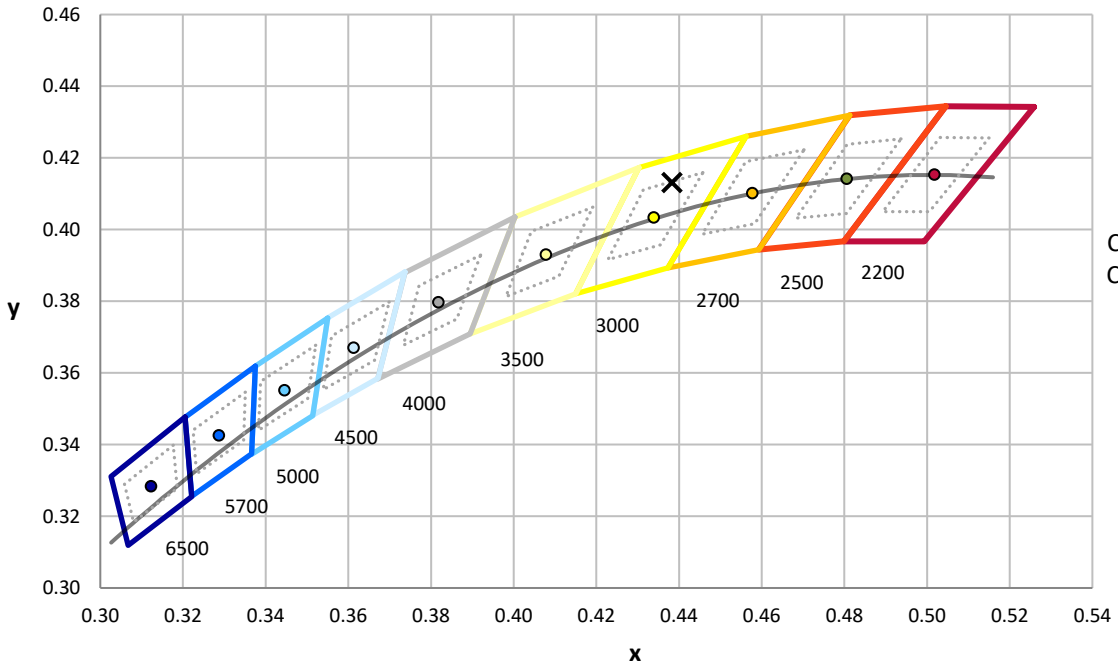
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

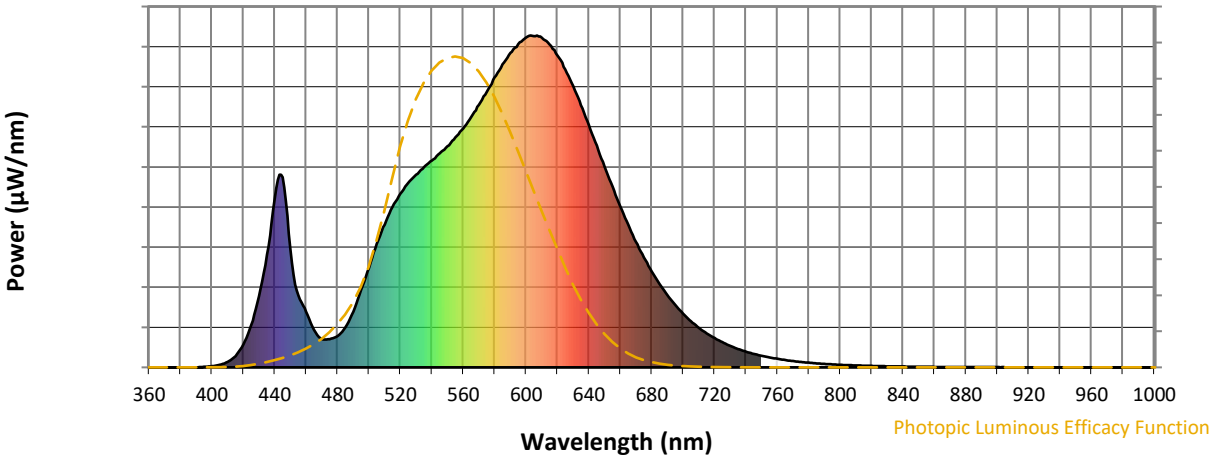


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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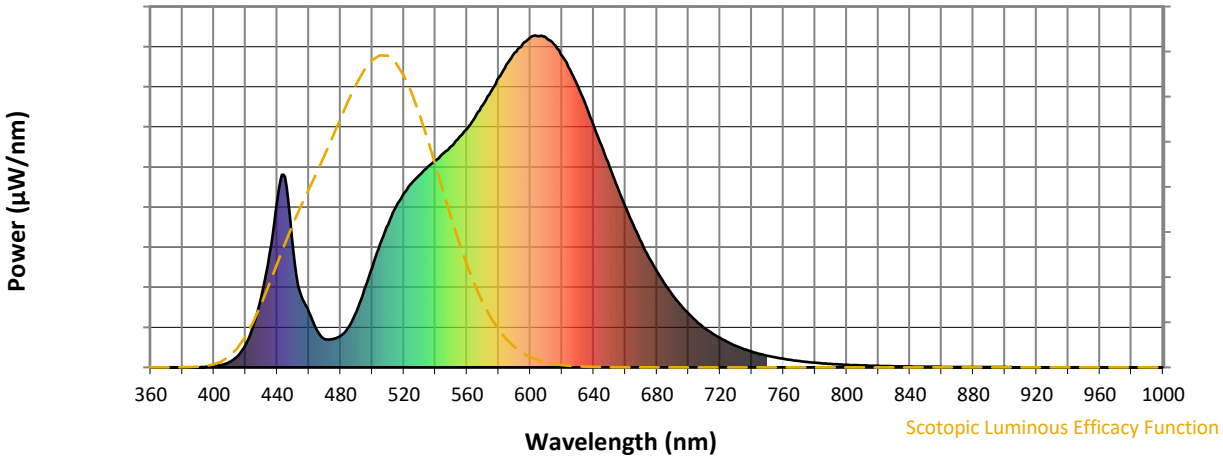
Scotopic Flux vs. Wavelength



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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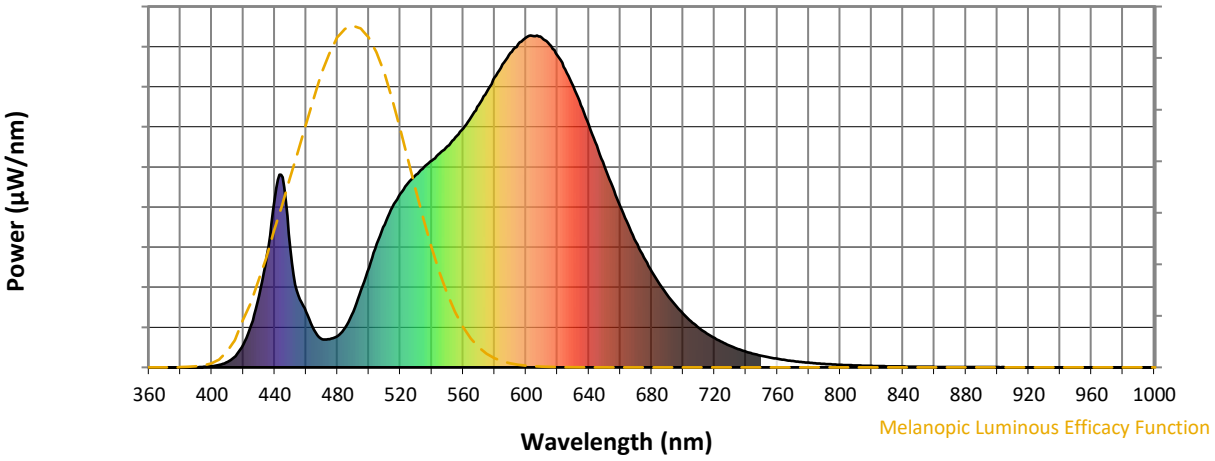
Melanopic Flux vs. Wavelength



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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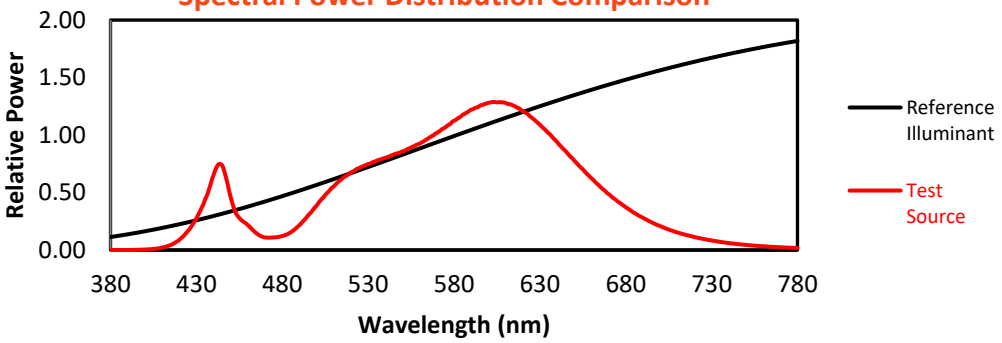
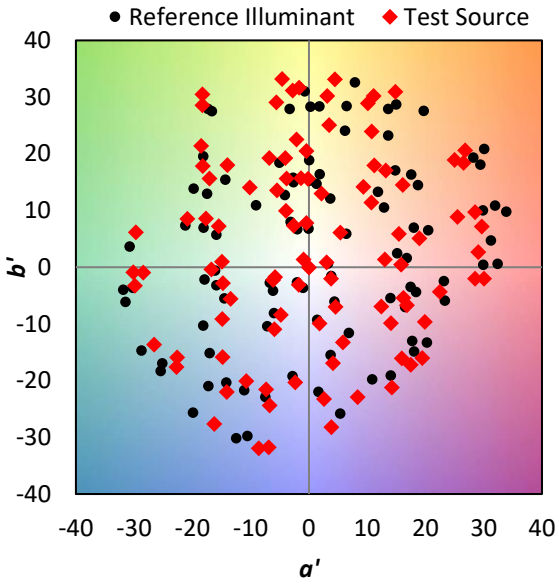
Summary

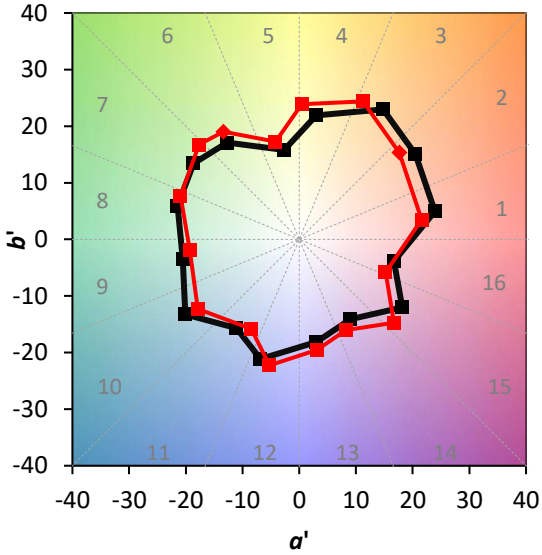
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

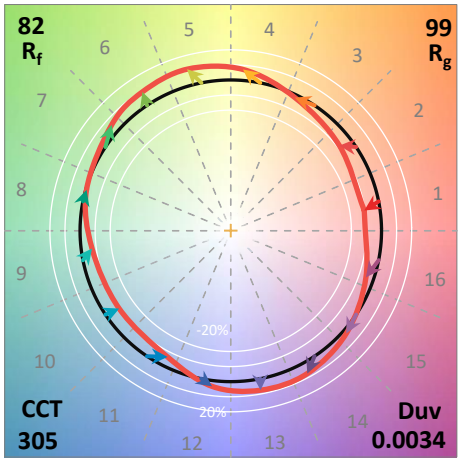
Spectral Power Distribution Comparison

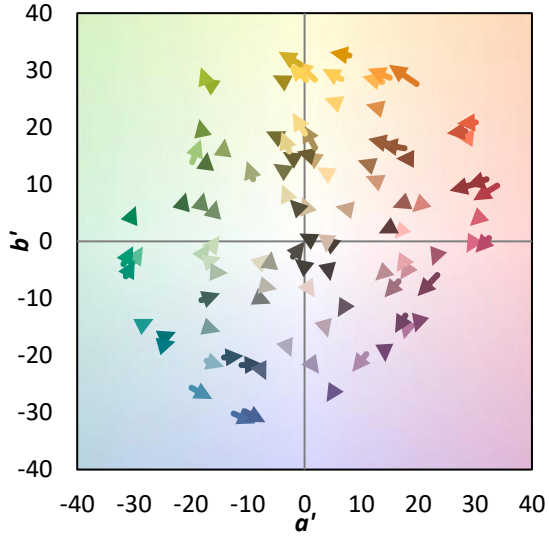


Color Vector Graphics









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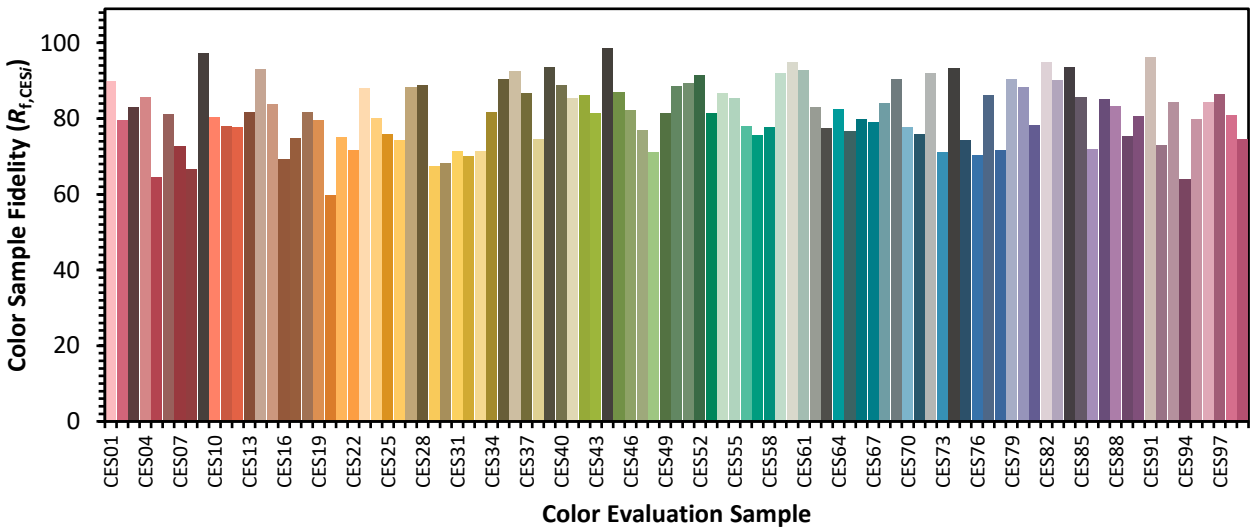
Individual Sample Fidelity Index ($R_{f,i}$)

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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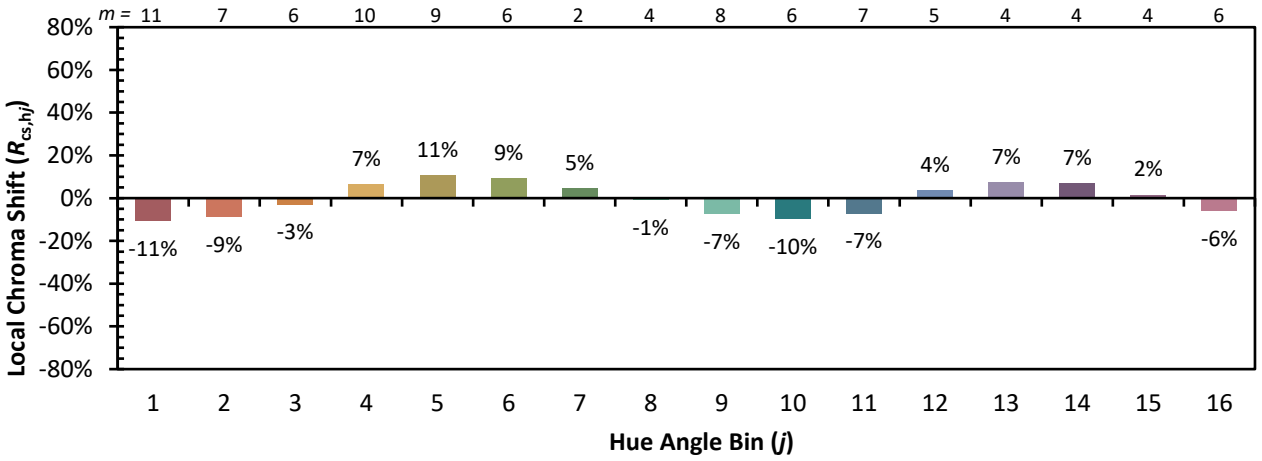
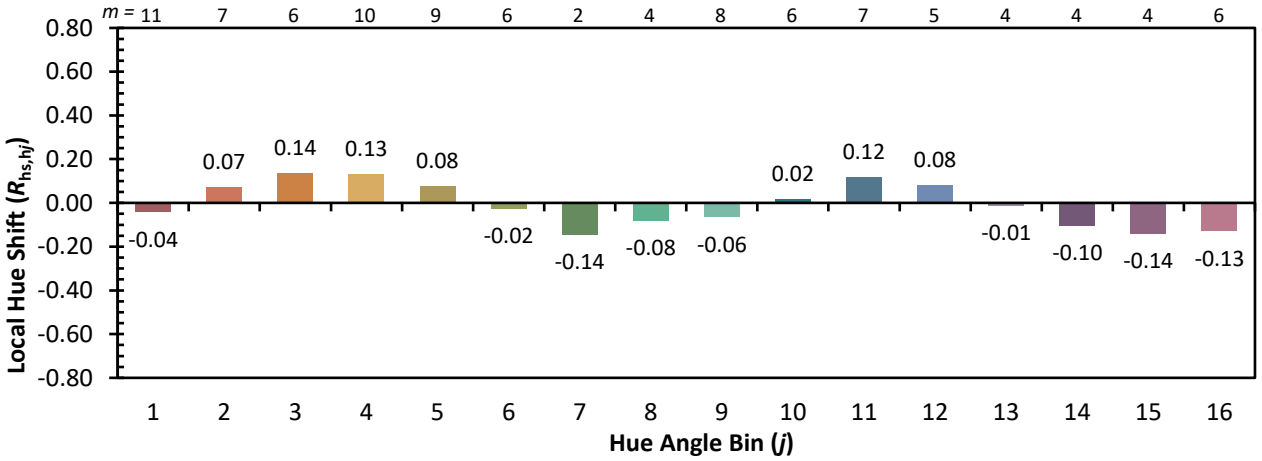
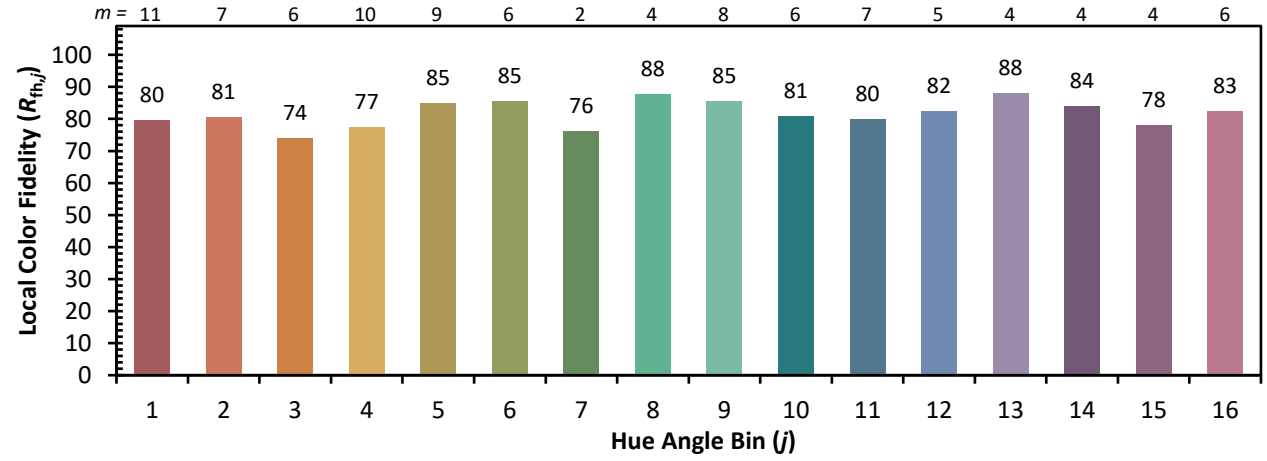
Color Rendition by Hue-Angle Bin







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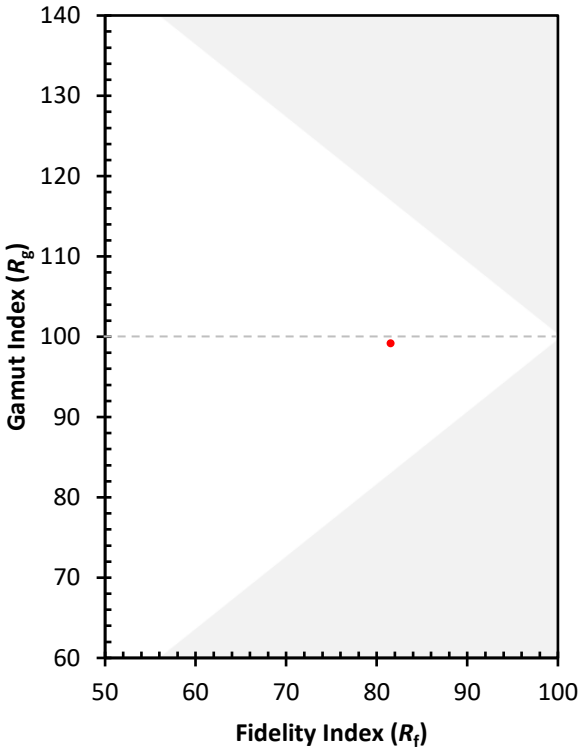
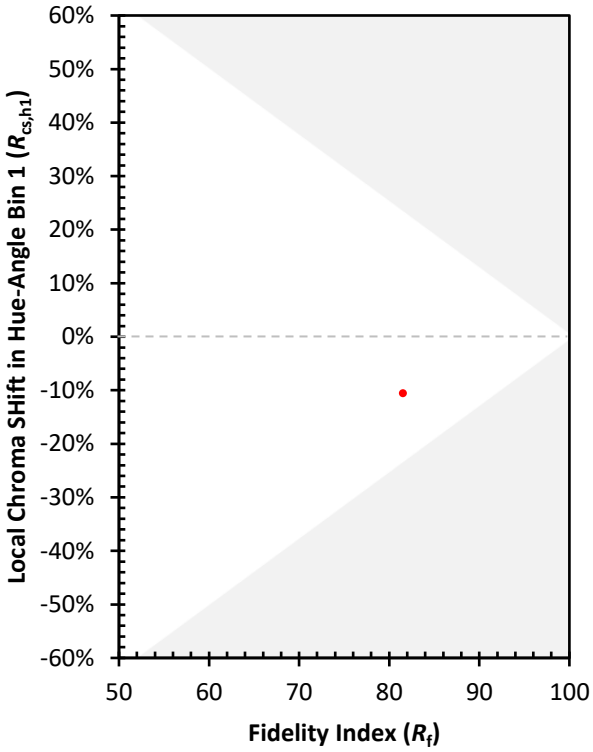
Measure Comparisons





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