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: P437251

Luminaire Tested: **ISC-SA1B-830-U-SL3**

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:	P437251
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-16)
Test Lab:	INNOVATION CENTER
Issue Date:	12/9/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISC-SA1B-830-U-SL3
Description:	IMPACT ELITE LED CYLINDER LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2725 lumens
Efficiency:	N/A
Efficacy:	107.3 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):	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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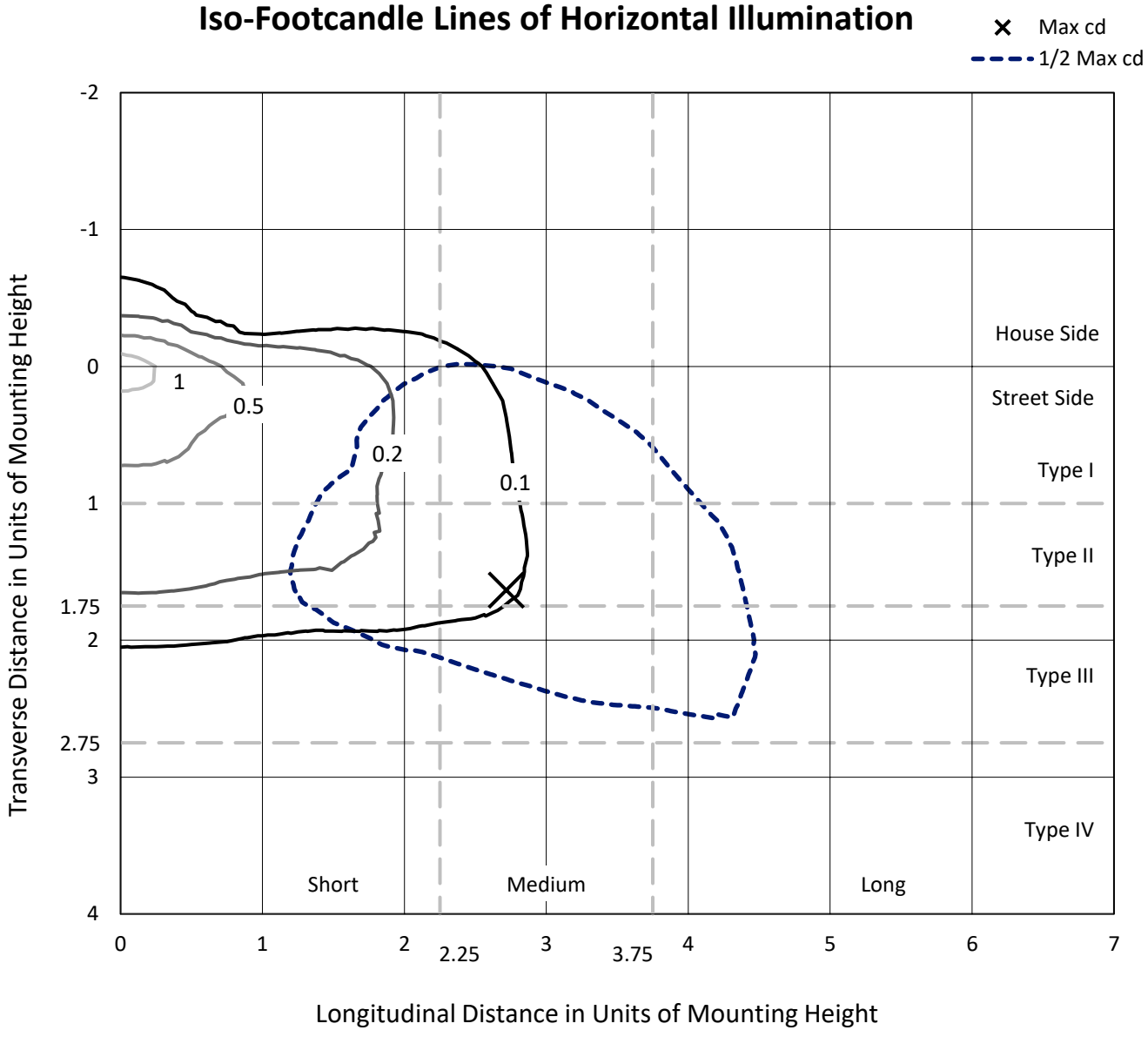
Scaled Data Report

REPORT NUMBER: P437251
CATALOG NUMBER: ISC-SA1B-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type III - Medium - N/A

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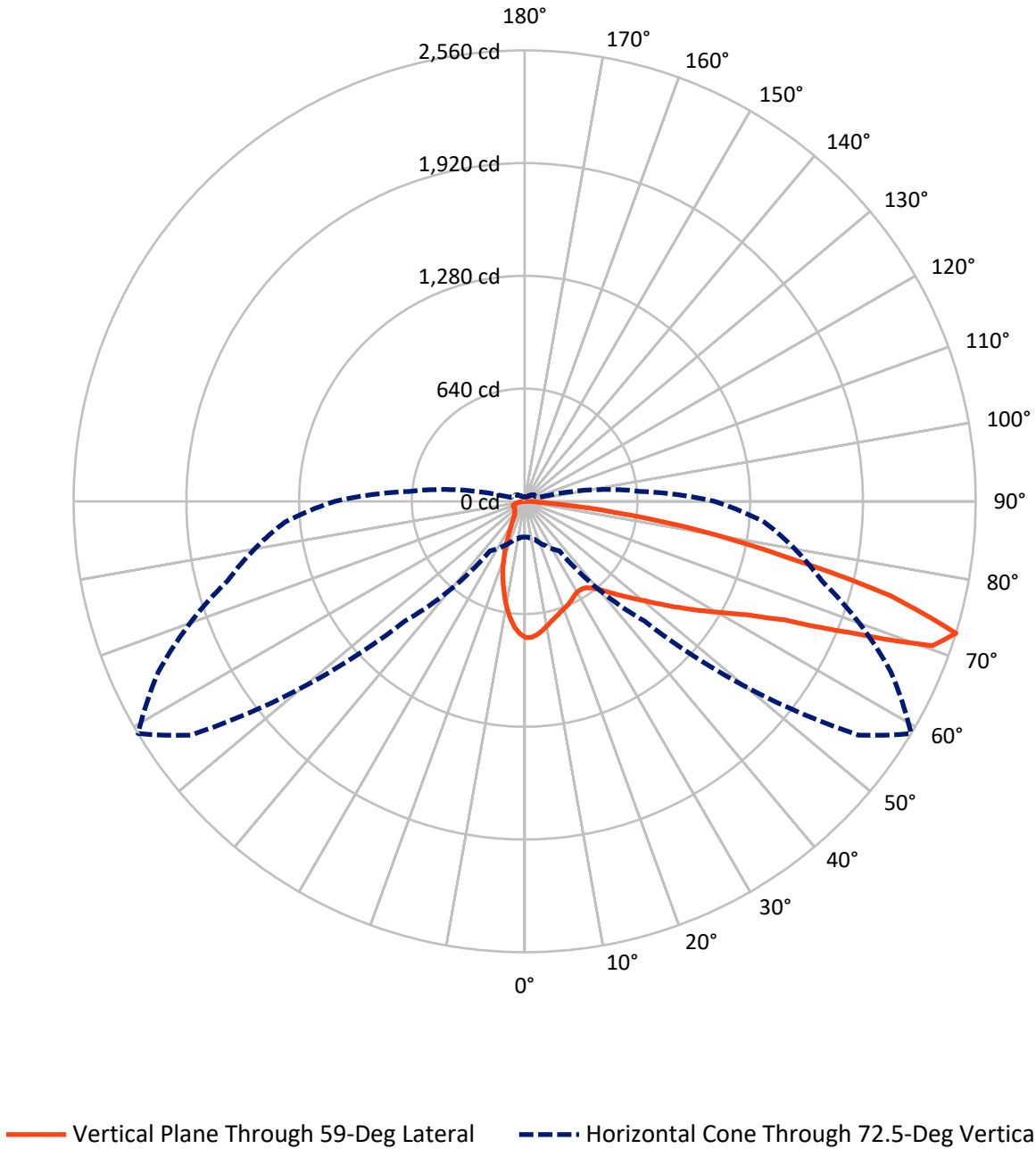
Luminous Intensity Polar Plot



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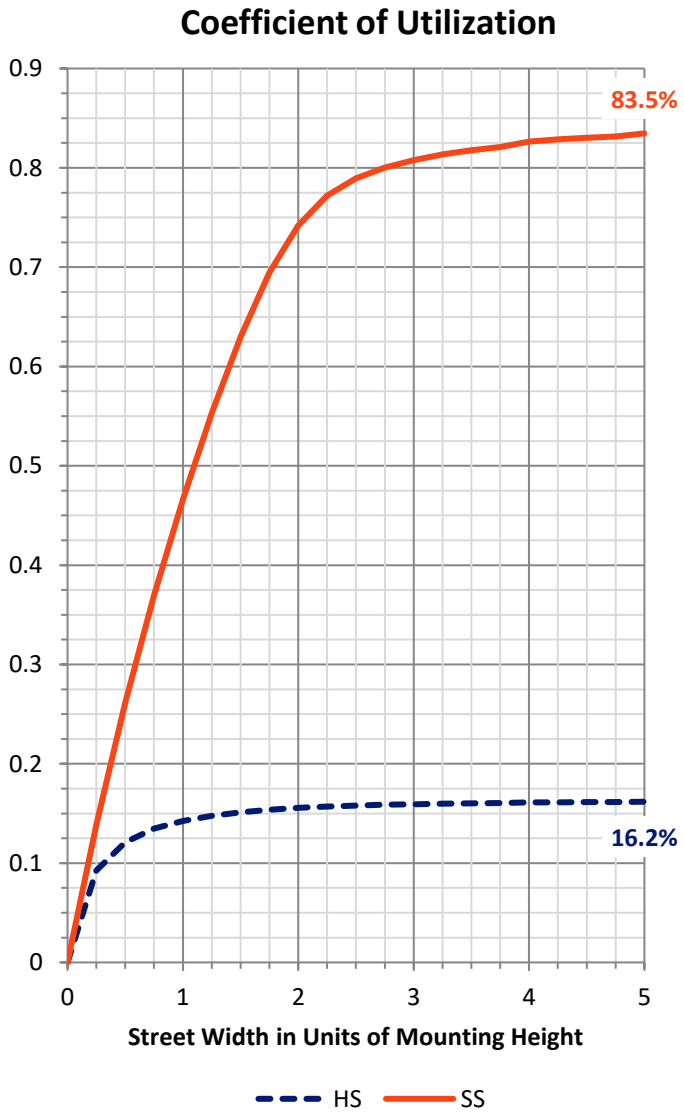
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	444.8	0.0	444.8
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	2280.2	0.0	2280.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	2725.0	0.0	2725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	2.4
10°-20°	149.1	5.5
20°-30°	192.2	7.1
30°-40°	245.9	9.0
40°-50°	341.2	12.5
50°-60°	502.9	18.5
60°-70°	676.6	24.8
70°-80°	492.2	18.1
80°-90°	58.5	2.1
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°	2725.0	100.0
0°-180°	2725.0	100.0



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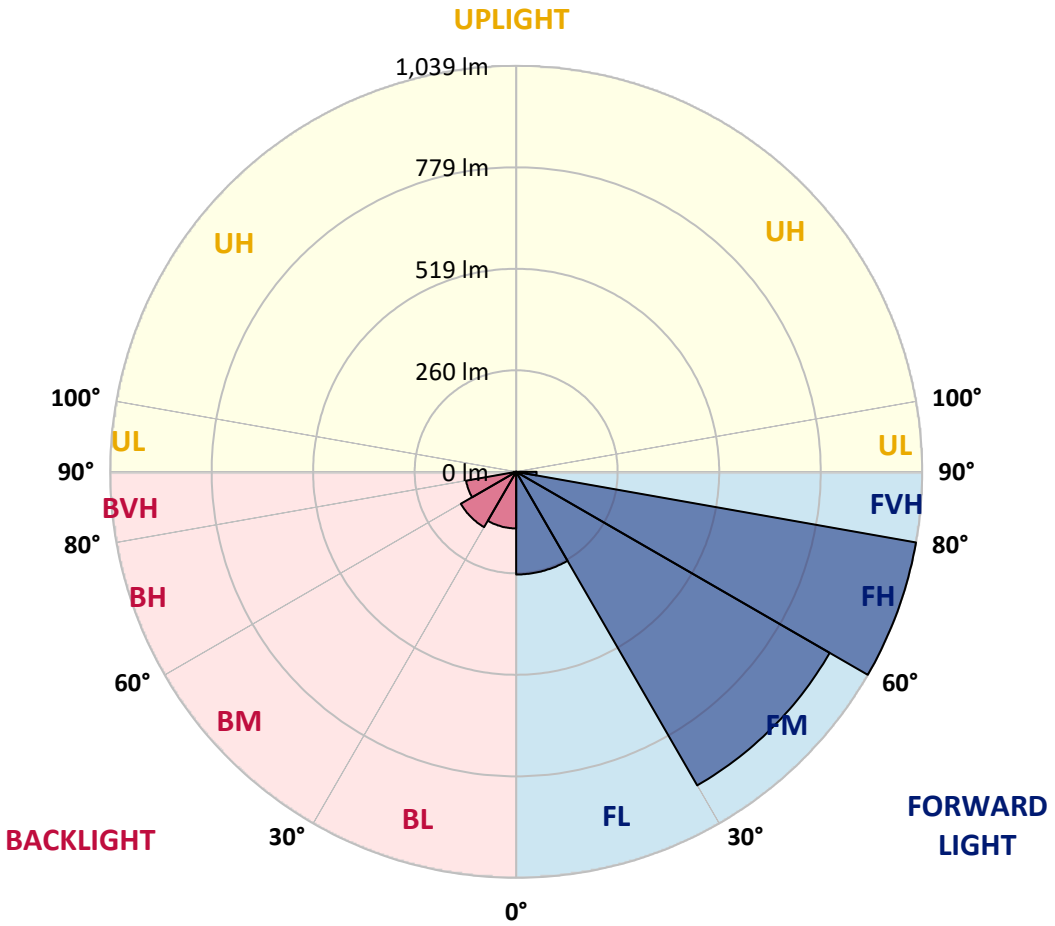
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	262.8	9.6			
FM	(30°-60°)	926.4	34.0			
FH	(60°-80°)	1038.8	38.1			G1/1800
FVH	(80°-90°)	52.2	1.9			G1/100
BL	(0°-30°)	144.9	5.3	B1/500		
BM	(30°-60°)	163.5	6.0	B0/220		
BH	(60°-80°)	130.1	4.8	B1/500		G1/500
BVH	(80°-90°)	6.3	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 III Medium



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REPORT NUMBER: P437251
CATALOG NUMBER: ISC-SA1B-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	773.4	773.4	773.4	773.4	773.4	773.4	773.4	*773.4*	773.4	773.4	773.4
2.5°	769.4	769.4	772.4	774.4	771.4	774.4	773.4	*772.4*	773.4	773.4	771.4
5°	737.7	741.6	741.6	742.6	749.6	754.5	756.5	*758.5*	759.5	760.5	758.5
7.5°	698.9	700.9	702.9	711.8	715.8	726.7	733.7	*737.7*	741.6	743.6	737.7
10°	656.2	659.2	665.2	672.1	682.1	697.0	708.9	*715.8*	721.8	724.8	717.8
12.5°	620.5	621.5	627.5	638.4	650.3	671.1	686.0	*694.0*	701.9	707.9	699.9
15°	587.7	588.7	593.7	606.6	620.5	643.3	665.2	*677.1*	688.0	697.9	687.0
17.5°	561.9	564.9	566.9	577.8	594.7	619.5	648.3	*660.2*	677.1	692.0	678.1
20°	547.0	546.0	547.0	554.0	571.9	596.7	630.4	*647.3*	667.2	688.0	669.2
22.5°	538.1	540.1	539.1	542.1	553.0	577.8	611.6	*635.4*	658.2	685.0	661.2
25°	538.1	541.1	540.1	539.1	543.1	559.9	595.7	*619.5*	648.3	685.0	652.3
27.5°	548.0	549.0	547.0	544.1	544.1	550.0	581.8	*603.6*	643.3	684.0	647.3
30°	557.0	559.0	559.0	557.0	554.0	551.0	571.9	*594.7*	638.4	690.0	643.3
32.5°	568.9	570.9	574.8	576.8	572.9	563.9	574.8	*593.7*	639.4	702.9	644.3
35°	583.8	585.8	591.7	601.6	598.7	583.8	585.8	*602.6*	647.3	716.8	648.3
37.5°	595.7	598.7	611.6	628.5	629.4	613.6	612.6	*624.5*	662.2	738.7	662.2
40°	607.6	611.6	630.4	658.2	664.2	655.3	649.3	*658.2*	689.0	770.4	685.0
42.5°	623.5	627.5	652.3	687.0	701.9	697.9	694.0	*706.9*	729.7	813.1	720.8
45°	640.4	648.3	680.1	718.8	745.6	748.6	752.6	*760.5*	778.4	872.7	771.4
47.5°	671.1	678.1	714.8	754.5	789.3	805.2	812.1	*822.0*	833.0	927.3	833.0
50°	712.8	726.7	759.5	798.2	838.9	869.7	887.6	*887.6*	899.5	992.8	900.5
52.5°	775.4	788.3	808.2	844.9	893.5	942.2	967.0	*971.0*	967.0	1055.4	969.0
55°	828.0	840.9	859.8	886.6	948.1	1023.6	1066.3	*1063.3*	1049.4	1121.9	1036.5
57.5°	886.6	896.5	913.4	935.2	1003.7	1108.0	1170.5	*1167.5*	1141.7	1189.4	1110.0
60°	911.4	925.3	956.1	1000.8	1090.1	1216.2	1289.7	*1280.7*	1223.1	1261.9	1175.5
62.5°	836.9	862.8	925.3	1015.6	1190.4	1396.9	1445.5	*1416.7*	1338.3	1341.3	1263.9
65°	669.2	655.3	750.6	900.5	1198.3	1620.3	1683.8	*1621.3*	1482.3	1442.6	1364.1
67.5°	382.2	388.2	433.9	595.7	986.9	1711.6	2096.8	*1986.6*	1707.6	1600.4	1485.2
70°	259.1	265.1	284.9	353.4	566.9	1529.9	2433.4	*2455.2*	2056.1	1740.4	1489.2
72.5°	*202.5*	*203.5*	*224.4*	*278.0*	*343.5*	*961.0*	*2313.3*	*2559.5*	*2294.4*	*1745.4*	*1366.1*
75°	154.9	155.9	174.7	237.3	308.8	465.6	1761.3	*2146.5*	2152.4	1605.4	1115.9
77.5°	98.3	103.3	125.1	189.6	289.9	308.8	1121.9	*1512.1*	1551.8	1189.4	583.8
80°	47.7	49.6	62.5	121.1	255.2	273.0	668.2	*1005.7*	871.7	463.6	177.7
82.5°	19.9	20.8	29.8	52.6	162.8	231.3	334.6	*517.3*	336.6	126.1	57.6
85°	4.0	5.0	6.9	12.9	52.6	113.2	137.0	*134.0*	81.4	38.7	21.8
87.5°	0.0	0.0	0.0	1.0	1.0	2.0	2.0	*2.0*	2.0	2.0	2.0
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: P437251
CATALOG NUMBER: ISC-SA1B-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4
2.5°	770.4	770.4	762.5	756.5	749.6	744.6	739.6	733.7	732.7	735.7	738.7
5°	754.5	750.6	737.7	725.7	711.8	696.0	686.0	673.1	666.2	669.2	667.2
7.5°	733.7	727.7	703.9	684.0	656.2	631.4	614.6	595.7	582.8	577.8	574.8
10°	711.8	699.9	668.2	632.4	595.7	559.0	528.2	498.4	483.5	482.5	466.6
12.5°	691.0	675.1	630.4	578.8	528.2	478.5	432.9	400.1	359.4	347.5	351.5
15°	674.1	652.3	589.7	524.2	458.7	396.1	336.6	287.9	252.2	239.3	234.3
17.5°	658.2	627.5	552.0	473.6	391.2	312.7	240.3	203.5	181.7	173.7	173.7
20°	640.4	604.6	511.3	417.0	316.7	232.3	177.7	159.8	152.9	151.9	150.9
22.5°	626.5	581.8	469.6	357.4	247.2	176.7	146.9	139.0	139.0	140.0	140.0
25°	609.6	556.0	424.9	293.9	190.6	142.0	130.1	127.1	130.1	133.0	133.0
27.5°	597.7	533.1	384.2	234.3	147.9	123.1	117.2	118.1	122.1	126.1	126.1
30°	587.7	511.3	341.5	184.7	123.1	109.2	108.2	110.2	114.2	118.1	117.2
32.5°	577.8	494.4	294.9	145.9	106.2	100.3	99.3	102.3	105.2	106.2	108.2
35°	573.8	480.5	248.2	120.1	96.3	93.3	93.3	94.3	95.3	96.3	96.3
37.5°	576.8	469.6	206.5	102.3	90.3	89.4	88.4	87.4	87.4	87.4	88.4
40°	588.7	465.6	170.8	92.3	85.4	85.4	83.4	80.4	79.4	80.4	79.4
42.5°	612.6	473.6	141.0	86.4	81.4	80.4	77.4	75.5	74.5	74.5	73.5
45°	650.3	487.5	121.1	82.4	78.4	75.5	72.5	70.5	69.5	70.5	70.5
47.5°	699.9	513.3	107.2	78.4	75.5	70.5	66.5	65.5	65.5	67.5	67.5
50°	759.5	548.0	99.3	76.4	72.5	66.5	62.5	61.6	62.5	64.5	65.5
52.5°	823.0	591.7	97.3	75.5	69.5	62.5	59.6	58.6	59.6	61.6	62.5
55°	886.6	639.4	102.3	75.5	66.5	59.6	57.6	54.6	55.6	57.6	58.6
57.5°	954.1	691.0	117.2	73.5	64.5	57.6	54.6	51.6	51.6	53.6	53.6
60°	1026.6	749.6	145.0	73.5	62.5	55.6	50.6	47.7	47.7	47.7	48.6
62.5°	1107.0	820.1	177.7	74.5	63.5	53.6	46.7	42.7	42.7	43.7	42.7
65°	1226.1	925.3	186.6	75.5	65.5	51.6	43.7	39.7	38.7	38.7	38.7
67.5°	1299.6	937.2	145.0	73.5	68.5	51.6	40.7	35.7	34.7	33.8	33.8
70°	1246.0	823.0	103.3	70.5	68.5	51.6	38.7	32.8	30.8	28.8	28.8
72.5°	*1078.2*	*653.3*	*84.4*	*66.5*	*63.5*	*48.6*	*35.7*	*29.8*	*26.8*	*24.8*	*24.8*
75°	863.7	463.6	71.5	61.6	53.6	38.7	29.8	24.8	22.8	21.8	21.8
77.5°	421.0	228.3	55.6	53.6	42.7	28.8	23.8	20.8	19.9	17.9	17.9
80°	123.1	84.4	41.7	42.7	26.8	19.9	17.9	16.9	15.9	13.9	14.9
82.5°	56.6	47.7	29.8	26.8	16.9	11.9	11.9	10.9	9.9	8.9	8.9
85°	22.8	23.8	15.9	12.9	7.9	6.0	5.0	5.0	4.0	4.0	4.0
87.5°	2.0	3.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0	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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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

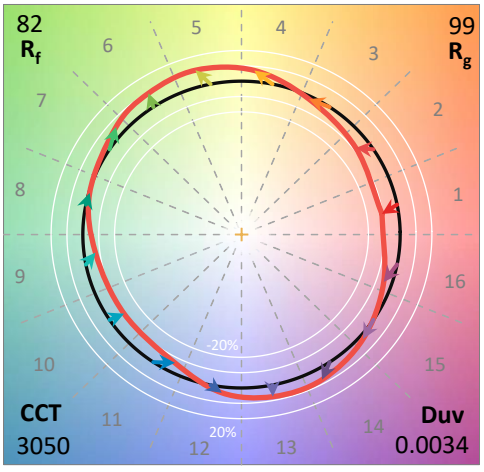
Test Information

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

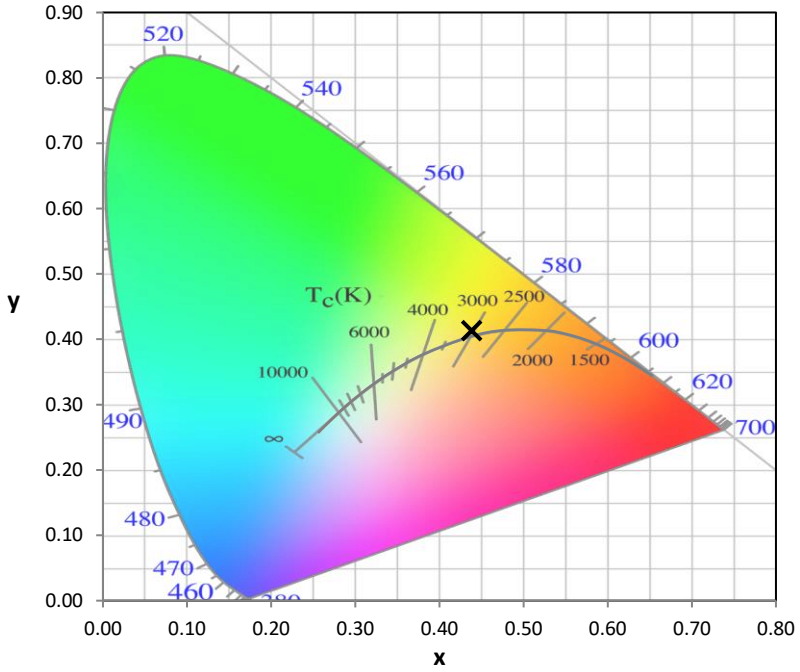
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

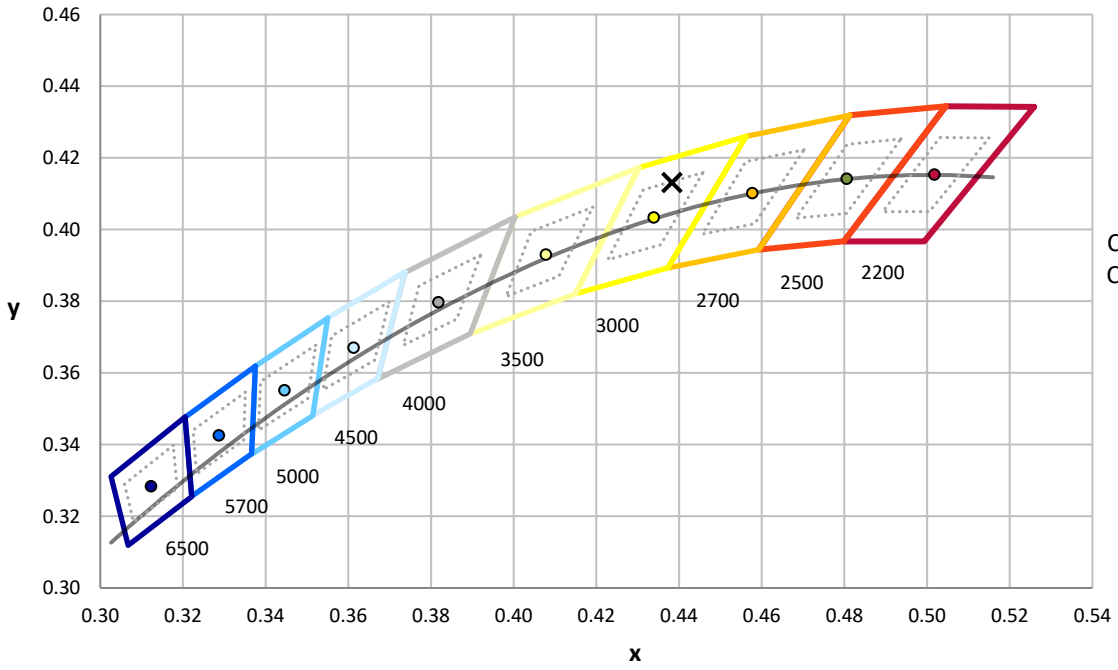
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

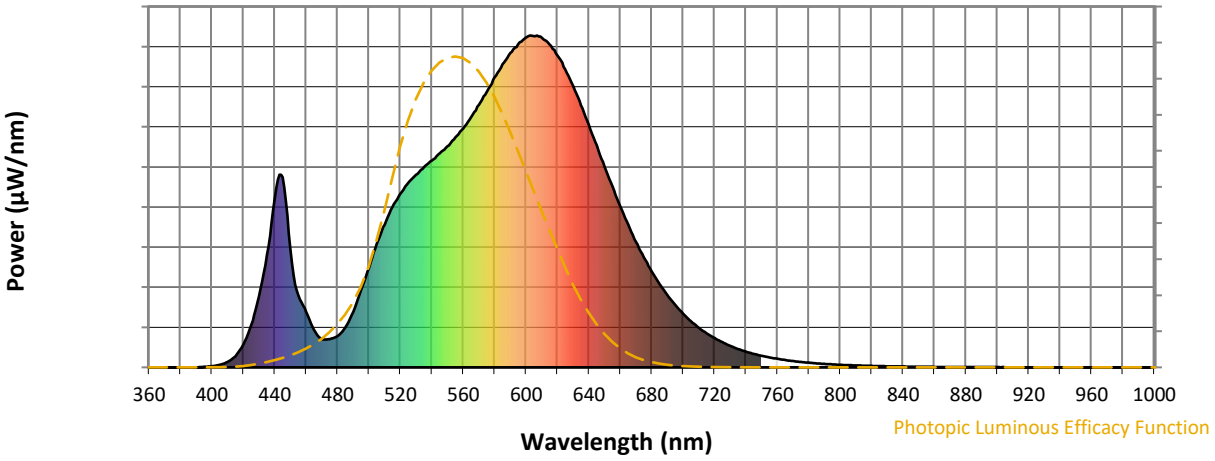


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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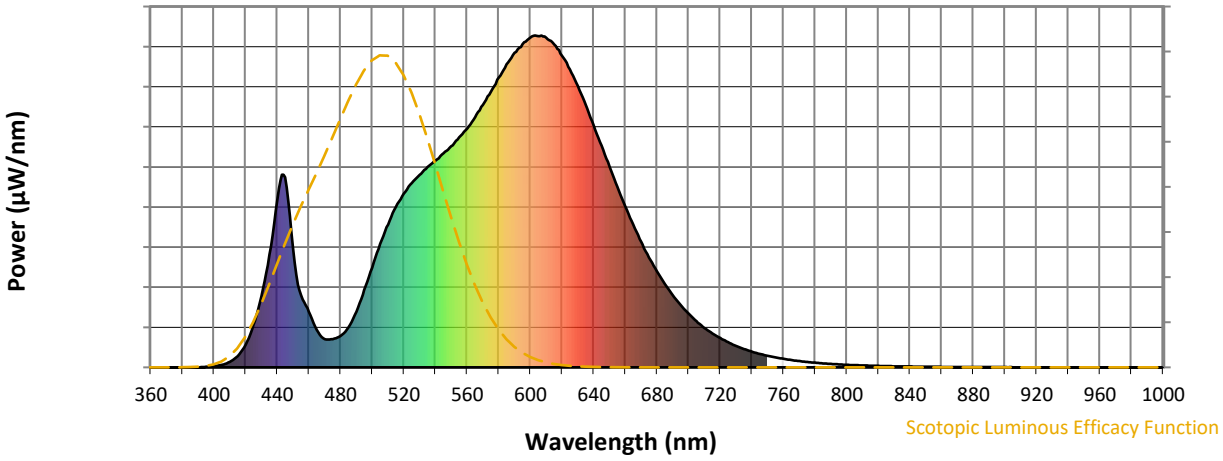
Scotopic Flux vs. Wavelength



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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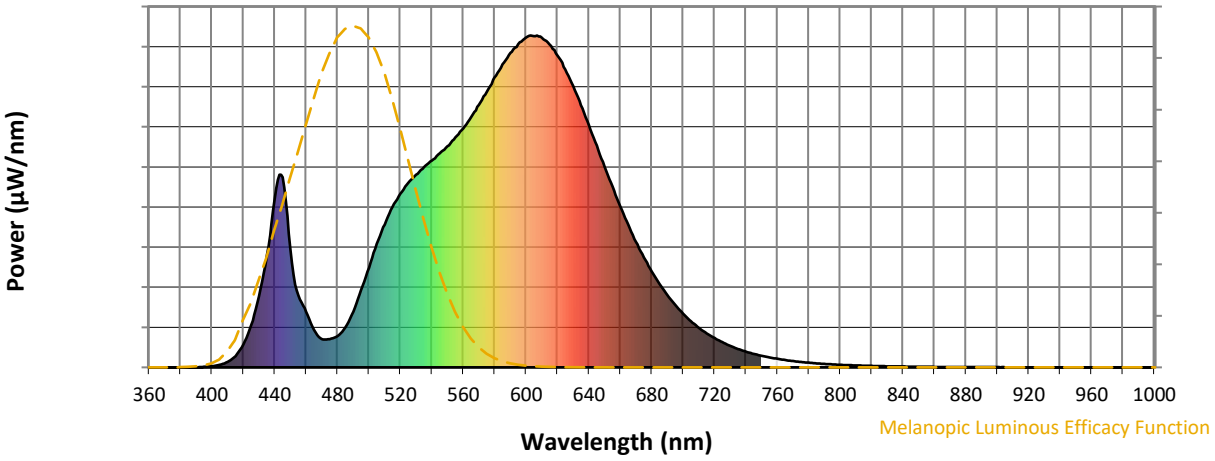
Melanopic Flux vs. Wavelength



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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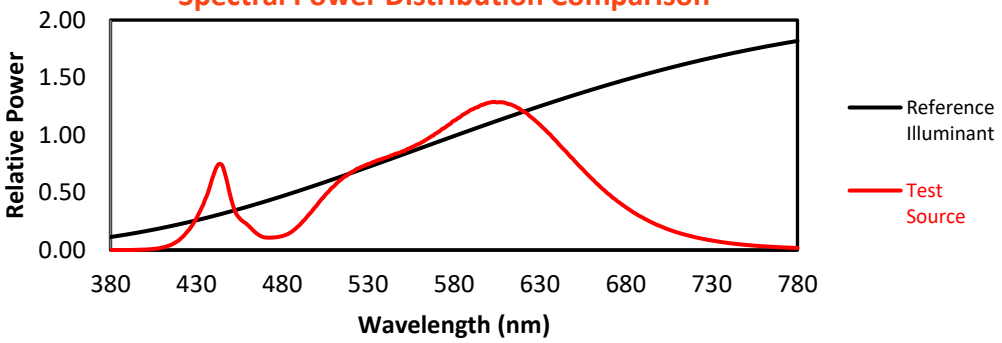
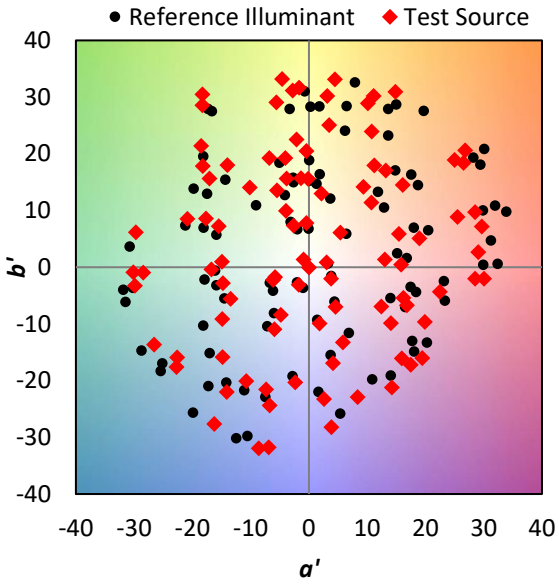
Summary

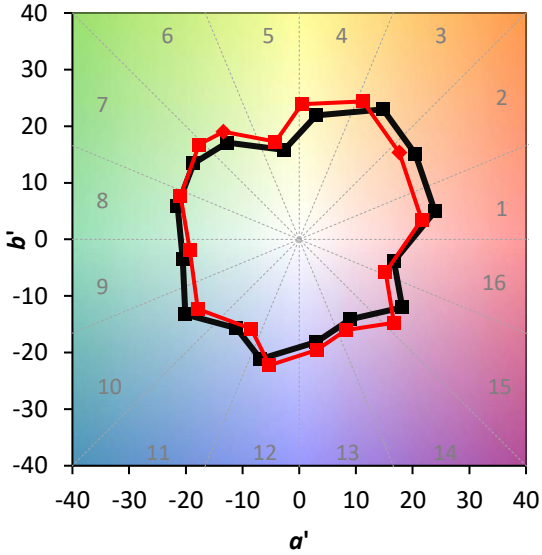
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

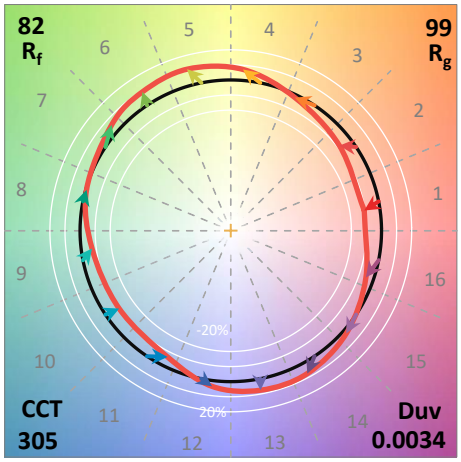
Spectral Power Distribution Comparison

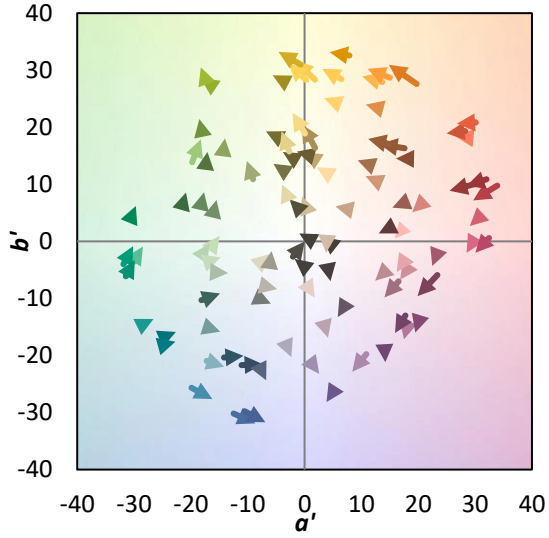


Color Vector Graphics









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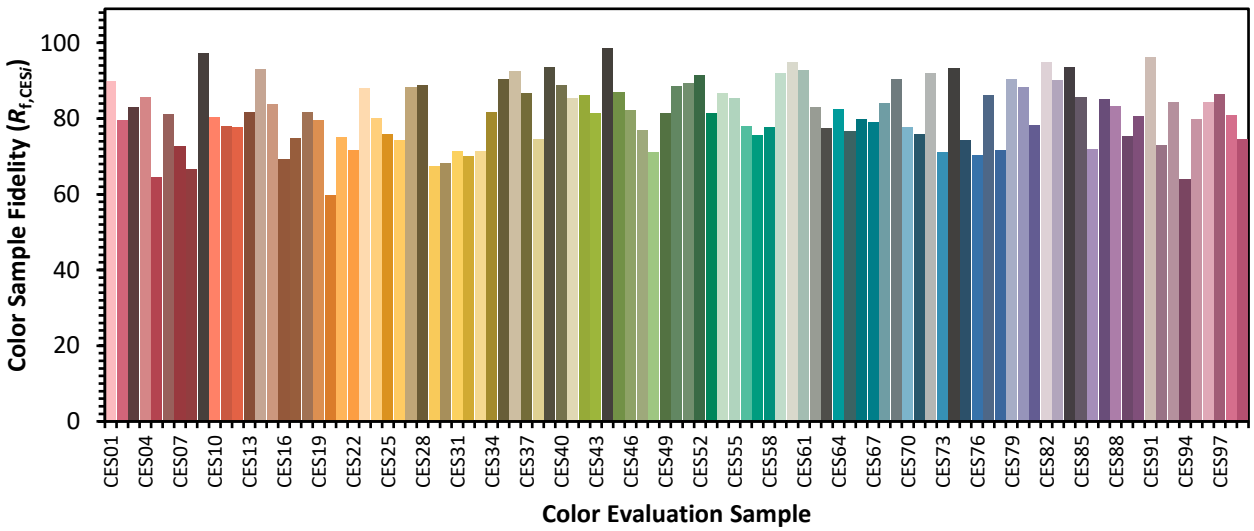
Individual Sample Fidelity Index ($R_{f,i}$)

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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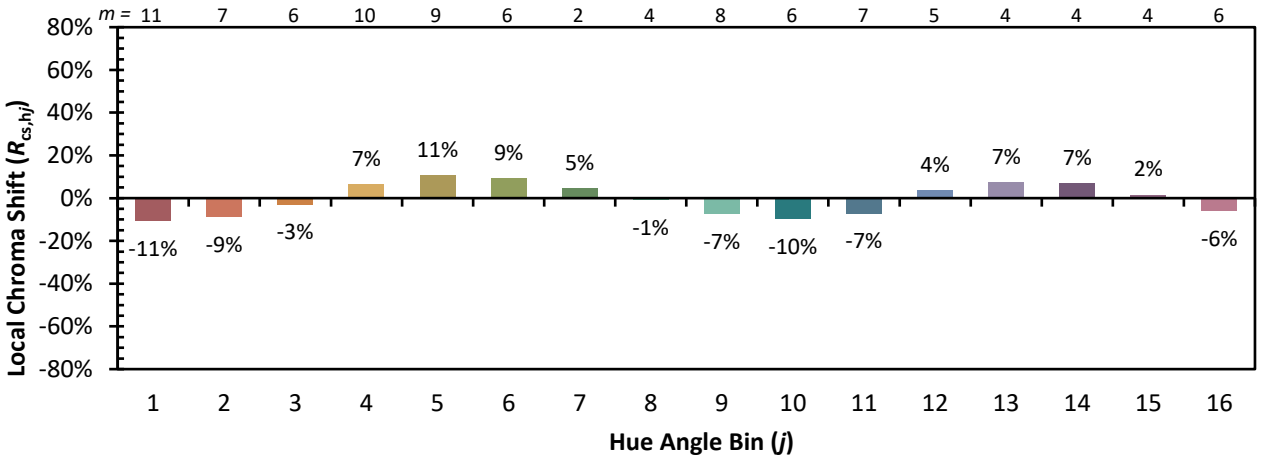
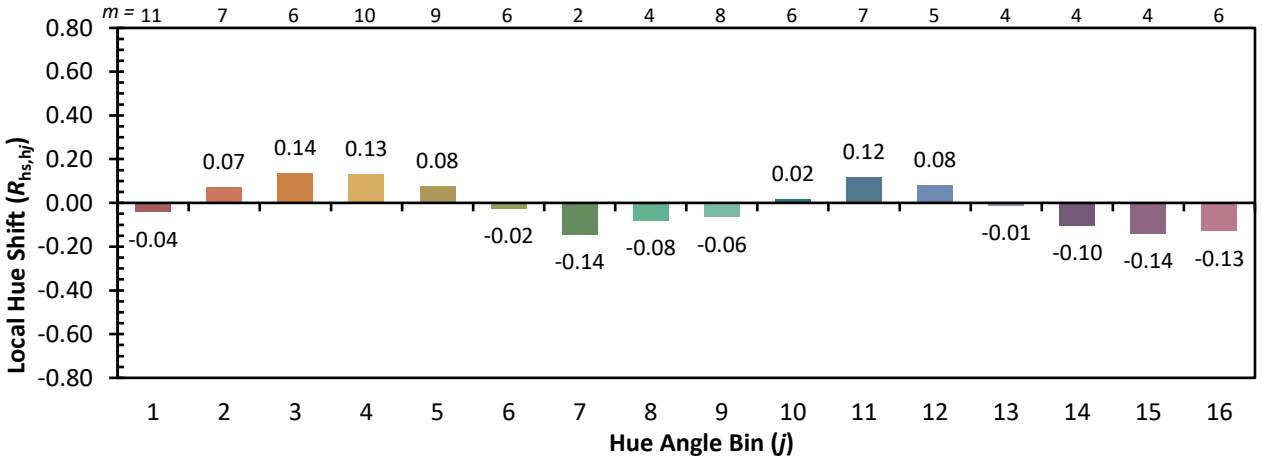
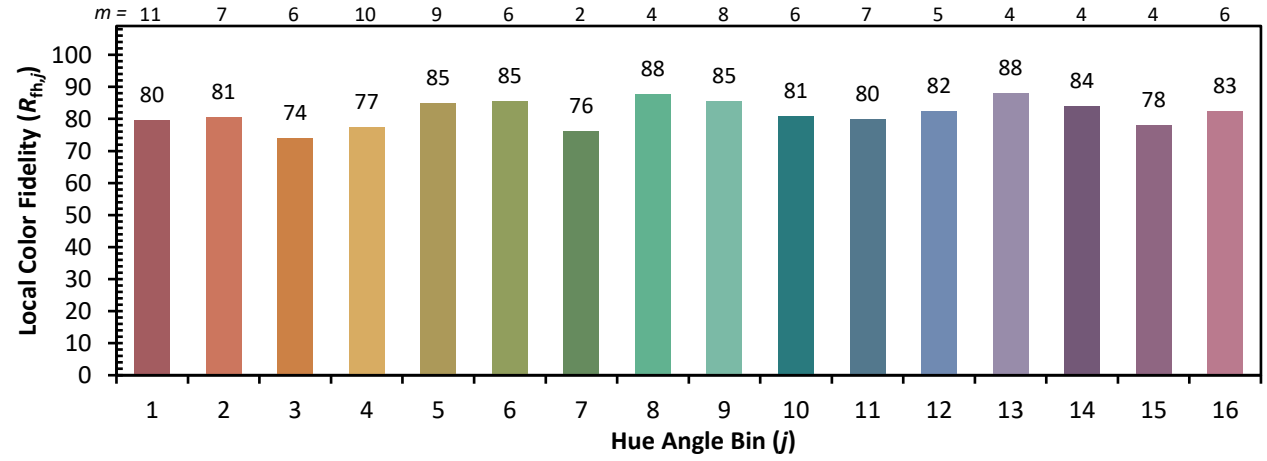
Color Rendition by Hue-Angle Bin







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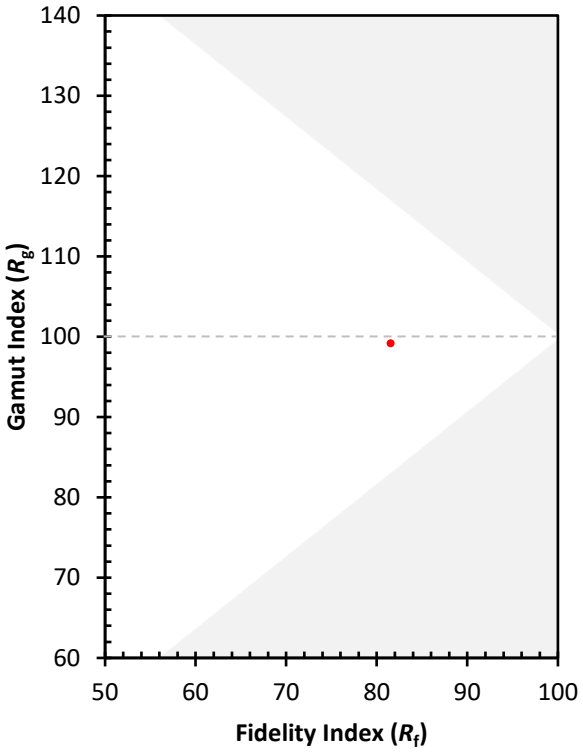
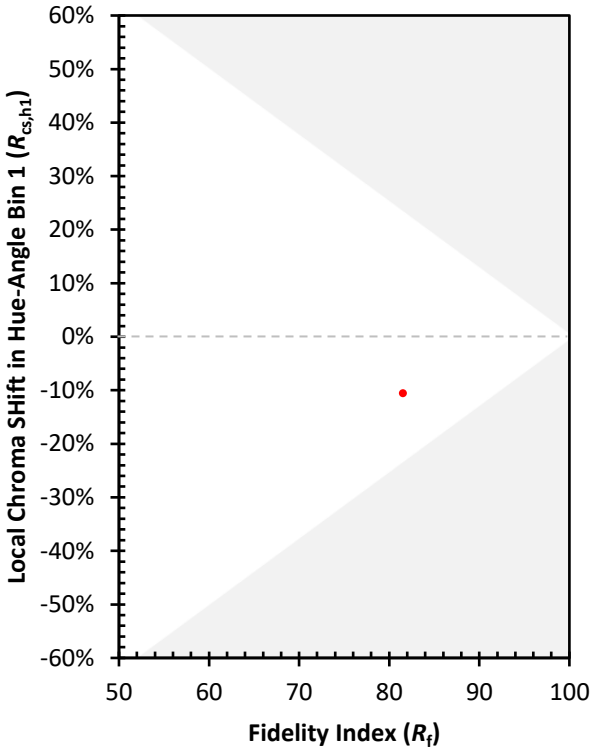
Measure Comparisons





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