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: P438290

Luminaire Tested: **IST-SA1B-830-U-T4W-HSS**

Issue Date: 12/10/2020

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:	P438290
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-13)
Test Lab:	INNOVATION CENTER
Issue Date:	12/10/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	IST-SA1B-830-U-T4W-HSS
Description:	IMPACT ELITE LED TRAPEZOID LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2003 lumens
Efficiency:	N/A
Efficacy:	78.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - 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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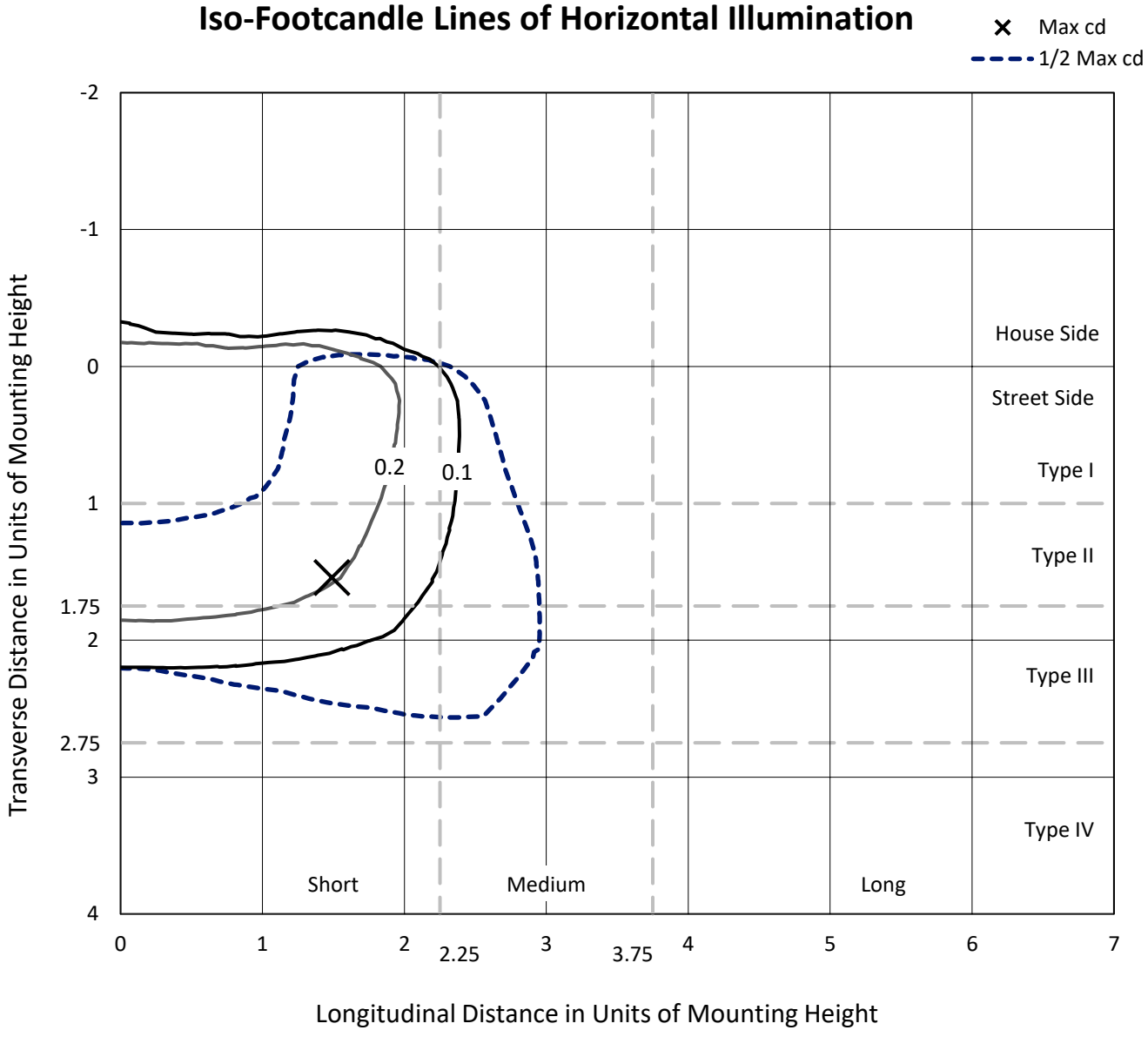
REPORT NUMBER: P438290
CATALOG NUMBER: IST-SA1B-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
Type III - Short - N/A

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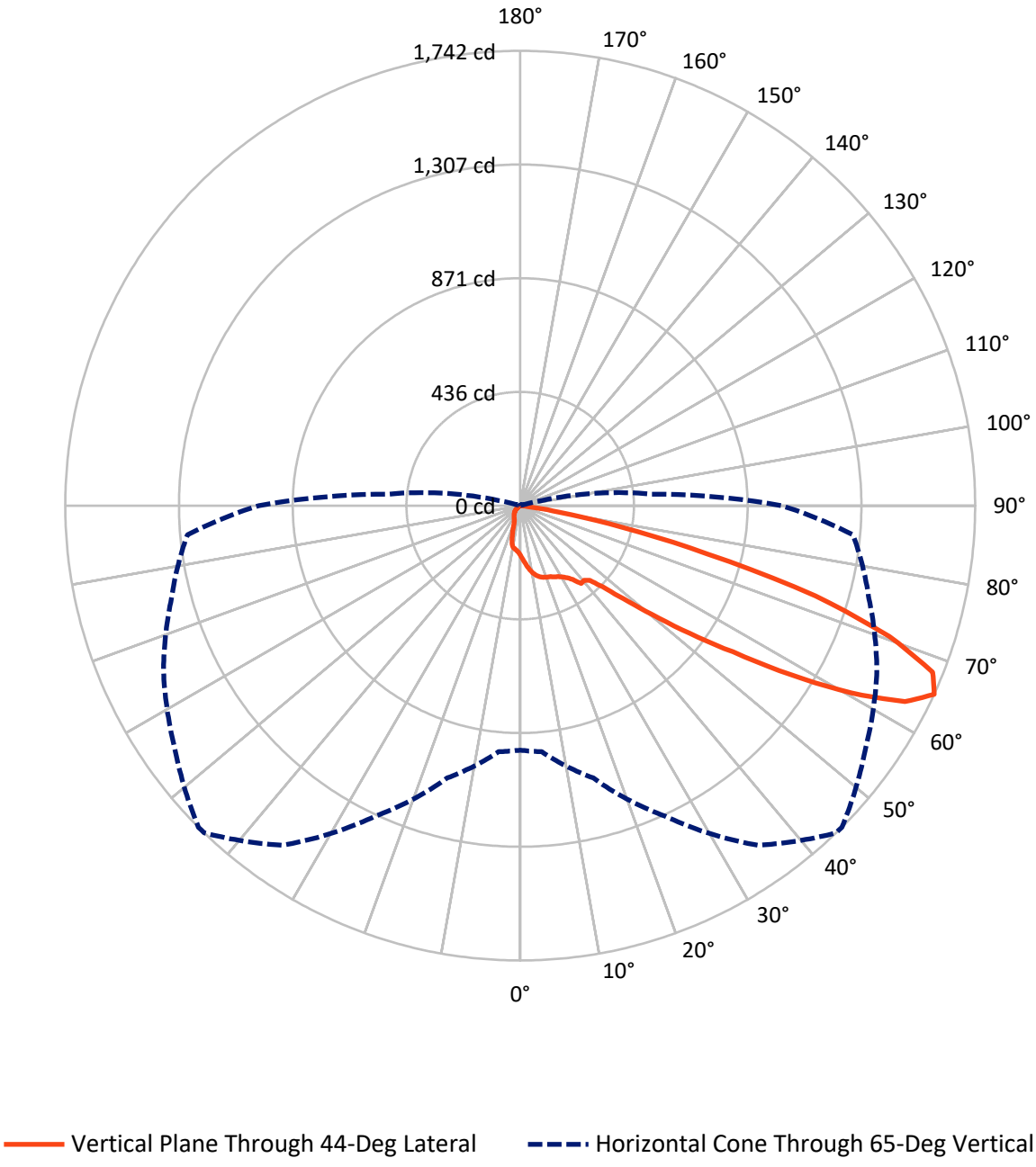
Luminous Intensity Polar Plot



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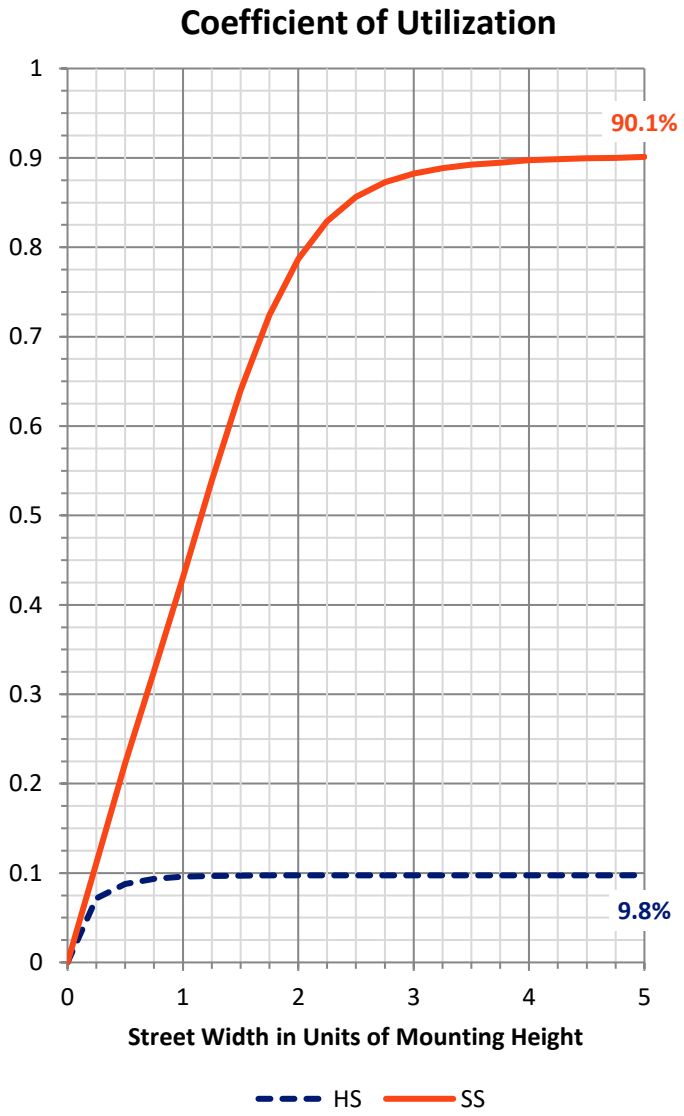
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	197.0	0.0	197.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	1806.0	0.0	1806.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	2003.0	0.0	2003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	1.0
10°-20°	58.3	2.9
20°-30°	93.3	4.7
30°-40°	138.6	6.9
40°-50°	252.7	12.6
50°-60°	529.8	26.5
60°-70°	674.4	33.7
70°-80°	226.3	11.3
80°-90°	10.1	0.5
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°	2003.0	100.0
0°-180°	2003.0	100.0



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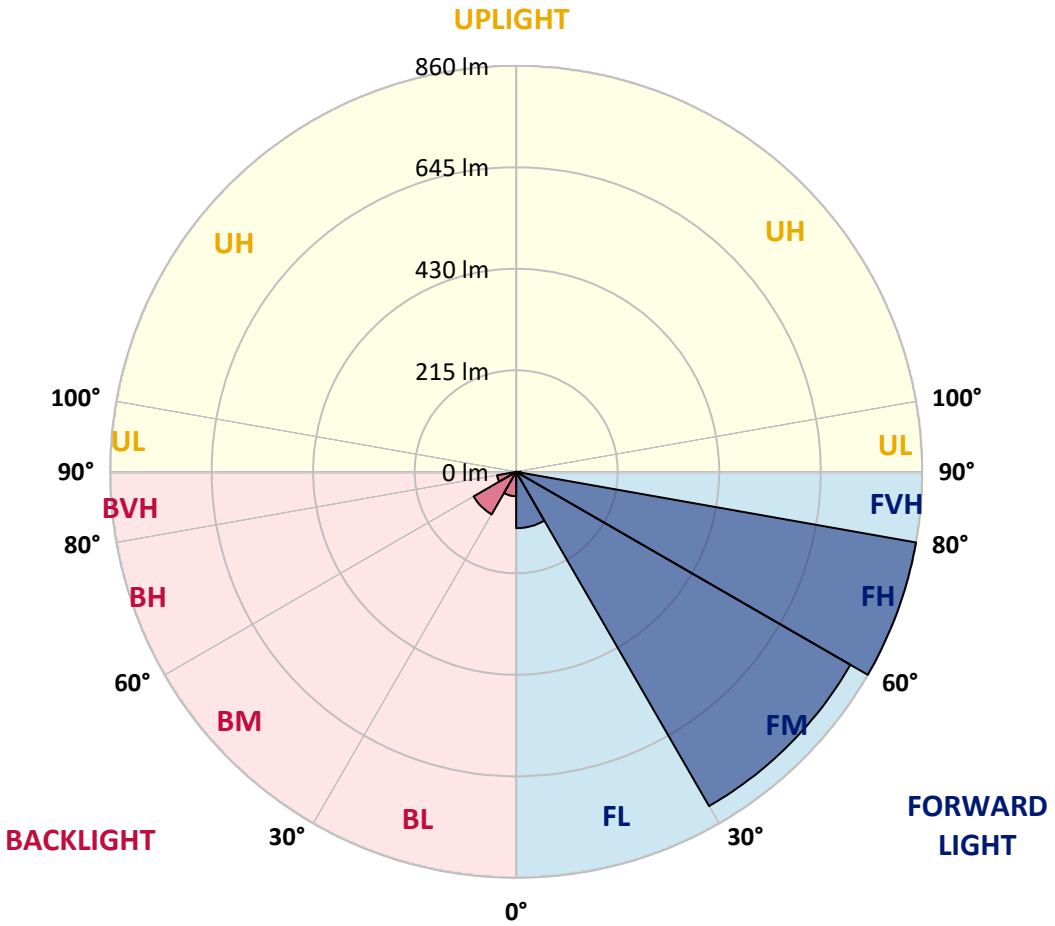
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	119.3	6.0			
FM	(30°-60°)	817.2	40.8			
FH	(60°-80°)	859.6	42.9			G1/1800
FVH	(80°-90°)	9.9	0.5			G0/10
BL	(0°-30°)	51.7	2.6	B0/110		
BM	(30°-60°)	103.9	5.2	B0/220		
BH	(60°-80°)	41.1	2.1	B0/110		G0/110
BVH	(80°-90°)	0.3	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 III Short



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REPORT NUMBER: P438290
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	190.8	190.8	190.8	190.8	190.8	*190.8*	190.8	190.8	190.8	190.8	190.8
2.5°	215.0	216.0	212.1	213.1	211.1	*207.3*	206.3	203.4	199.5	196.6	193.7
5°	243.1	242.1	240.2	236.3	231.5	*225.7*	223.7	217.9	211.1	203.4	197.6
7.5°	266.3	266.3	263.4	259.6	251.8	*244.1*	242.1	234.4	224.7	214.0	203.4
10°	286.7	285.7	282.8	278.0	268.3	*261.5*	258.6	248.9	237.3	225.7	213.1
12.5°	302.2	302.2	298.3	291.5	280.9	*274.1*	272.1	263.4	251.8	238.3	220.8
15°	310.9	309.9	307.0	298.3	290.6	*282.8*	281.8	274.1	264.4	249.9	231.5
17.5°	310.9	311.9	307.0	302.2	295.4	*288.6*	287.6	281.8	272.1	259.6	240.2
20°	307.0	307.0	303.1	299.3	295.4	*292.5*	291.5	287.6	279.9	269.2	249.9
22.5°	302.2	301.2	300.2	297.3	296.4	*295.4*	296.4	294.4	289.6	278.0	259.6
25°	301.2	300.2	298.3	296.4	297.3	*302.2*	302.2	303.1	298.3	288.6	271.2
27.5°	305.1	305.1	302.2	299.3	301.2	*308.0*	308.0	310.9	308.0	301.2	283.8
30°	321.5	317.7	312.8	307.0	309.0	*316.7*	317.7	323.5	323.5	318.6	304.1
32.5°	343.8	339.9	327.4	319.6	319.6	*329.3*	329.3	339.0	347.7	338.0	315.7
35°	361.3	359.3	344.8	335.1	338.0	*346.7*	349.6	365.1	372.9	348.7	321.5
37.5°	419.4	416.5	388.4	352.5	354.5	*378.7*	380.6	387.4	380.6	353.5	333.2
40°	496.8	498.8	469.7	410.6	365.1	*375.8*	375.8	387.4	391.3	374.8	361.3
42.5°	614.0	602.4	573.4	493.0	412.6	*391.3*	392.2	408.7	429.0	419.4	421.3
45°	715.7	707.0	676.0	598.5	489.1	*442.6*	438.7	460.0	499.7	508.5	530.7
47.5°	805.8	797.1	783.5	710.9	603.4	*532.7*	518.1	539.5	608.2	653.7	669.2
50°	914.3	916.2	885.2	843.6	728.3	*653.7*	649.9	650.8	759.3	797.1	819.4
52.5°	1051.8	1048.9	994.7	972.4	901.7	*812.6*	790.3	803.9	911.4	938.5	975.3
55°	1149.6	1146.7	1120.6	1116.7	1093.4	*988.8*	983.0	982.1	1078.9	1090.5	1134.1
57.5°	1206.8	1211.6	1230.0	1279.4	1298.8	*1223.2*	1206.8	1174.8	1229.0	1226.1	1273.6
60°	1216.4	1224.2	1276.5	1389.8	1498.3	*1457.6*	1435.3	1352.0	1366.6	1342.3	1371.4
62.5°	1138.0	1160.3	1253.2	1413.0	1599.0	*1653.2*	1634.8	1506.0	1472.1	1421.8	1385.0
65°	*936.5*	*946.2*	*1079.9*	*1312.3*	*1588.3*	*1742.3*	*1742.3*	*1615.5*	*1507.0*	*1383.0*	*1279.4*
67.5°	647.0	651.8	814.5	1058.6	1425.6	*1703.6*	1718.1	1613.5	1446.0	1231.0	1043.1
70°	367.1	394.2	493.0	739.9	1123.5	*1500.2*	1515.7	1468.3	1210.6	912.3	683.8
72.5°	153.0	170.5	240.2	431.0	764.1	*1181.6*	1208.7	1164.1	904.6	556.9	323.5
75°	47.5	49.4	79.4	187.9	417.4	*741.9*	787.4	785.5	540.4	260.5	131.7
77.5°	26.1	27.1	37.8	76.5	183.0	*396.1*	424.2	401.0	267.3	112.3	40.7
80°	12.6	13.6	20.3	36.8	80.4	*148.2*	174.3	161.7	93.0	53.3	13.6
82.5°	3.9	4.8	9.7	16.5	32.0	*34.9*	34.9	62.0	47.5	34.9	6.8
85°	0.0	0.0	2.9	5.8	5.8	*5.8*	5.8	13.6	22.3	21.3	2.9
87.5°	0.0	0.0	0.0	0.0	1.0	*1.0*	1.0	1.0	1.0	1.9	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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REPORT NUMBER: P438290
CATALOG NUMBER: IST-SA1B-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	191.8	190.8	186.9	183.0	181.1	179.2	177.2	175.3	175.3	176.3	175.3
5°	193.7	190.8	185.0	179.2	175.3	172.4	168.5	167.6	166.6	167.6	167.6
7.5°	198.5	194.7	186.0	177.2	171.4	166.6	163.7	162.7	160.8	160.8	160.8
10°	206.3	199.5	187.9	178.2	170.5	163.7	155.0	145.3	139.5	135.6	132.7
12.5°	214.0	206.3	190.8	179.2	170.5	151.1	129.8	111.4	101.7	96.9	95.9
15°	222.8	213.1	196.6	183.0	159.8	124.0	94.9	79.4	75.5	75.5	74.6
17.5°	229.5	220.8	201.4	184.0	140.4	93.0	71.7	66.8	67.8	69.7	69.7
20°	240.2	229.5	208.2	175.3	108.5	69.7	63.0	63.9	64.9	65.9	66.8
22.5°	249.9	238.3	216.0	155.9	79.4	60.0	60.0	61.0	62.0	63.0	63.9
25°	261.5	250.8	223.7	127.8	61.0	55.2	56.2	58.1	59.1	60.0	60.0
27.5°	275.1	263.4	223.7	100.7	53.3	51.3	51.3	53.3	54.2	56.2	56.2
30°	293.5	280.9	217.9	74.6	49.4	47.5	46.5	48.4	49.4	51.3	51.3
32.5°	305.1	297.3	205.3	56.2	45.5	43.6	42.6	42.6	43.6	45.5	45.5
35°	316.7	312.8	186.0	48.4	42.6	40.7	38.7	36.8	36.8	36.8	36.8
37.5°	335.1	340.9	157.9	44.6	40.7	37.8	34.9	32.0	30.0	29.1	28.1
40°	372.9	377.7	129.8	41.6	37.8	34.9	30.0	26.1	23.2	21.3	21.3
42.5°	432.0	428.1	98.8	39.7	34.9	31.0	25.2	21.3	17.4	15.5	15.5
45°	534.6	491.0	72.6	36.8	32.9	28.1	21.3	16.5	12.6	11.6	11.6
47.5°	660.5	563.7	55.2	34.9	30.0	24.2	16.5	12.6	9.7	8.7	8.7
50°	796.1	638.2	45.5	32.0	27.1	20.3	13.6	8.7	6.8	6.8	6.8
52.5°	924.0	688.6	37.8	29.1	23.2	16.5	9.7	6.8	5.8	5.8	5.8
55°	1043.1	719.6	31.0	25.2	19.4	12.6	7.7	5.8	4.8	3.9	3.9
57.5°	1124.4	714.8	25.2	20.3	14.5	8.7	5.8	4.8	3.9	2.9	2.9
60°	1152.5	672.1	19.4	16.5	10.7	6.8	4.8	3.9	2.9	1.9	1.9
62.5°	1112.8	587.9	15.5	12.6	7.7	5.8	3.9	2.9	1.9	1.0	1.0
65°	*1001.4*	*505.6*	*11.6*	*8.7*	*5.8*	*3.9*	*2.9*	*1.9*	*1.0*	*0.0*	*0.0*
67.5°	797.1	392.2	9.7	5.8	3.9	2.9	1.9	1.0	0.0	0.0	0.0
70°	498.8	246.0	7.7	3.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0
72.5°	242.1	121.1	5.8	2.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0
75°	90.1	39.7	4.8	2.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
77.5°	29.1	13.6	3.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0
80°	10.7	5.8	1.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.8	2.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	0.0	0.0	0.0	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

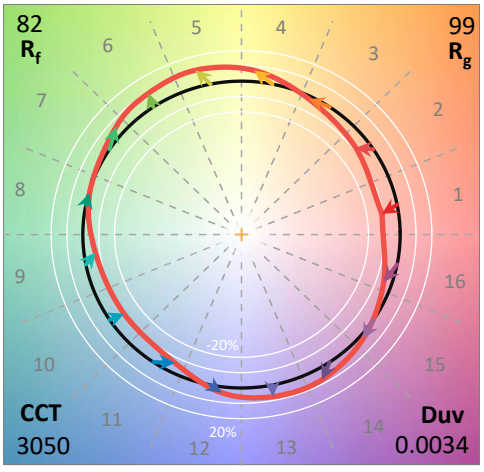
Test Information

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

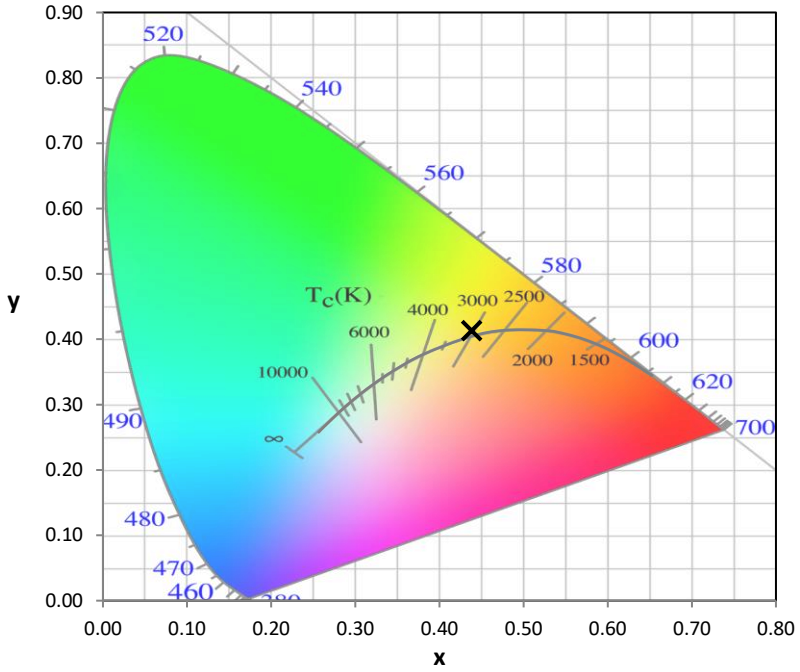
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

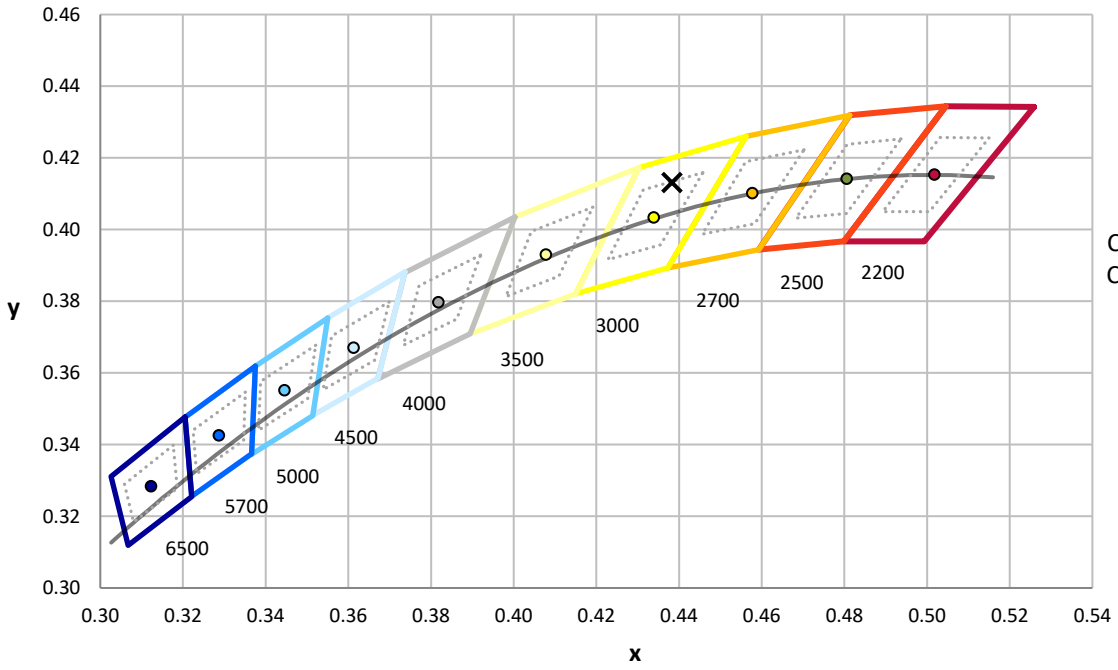
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

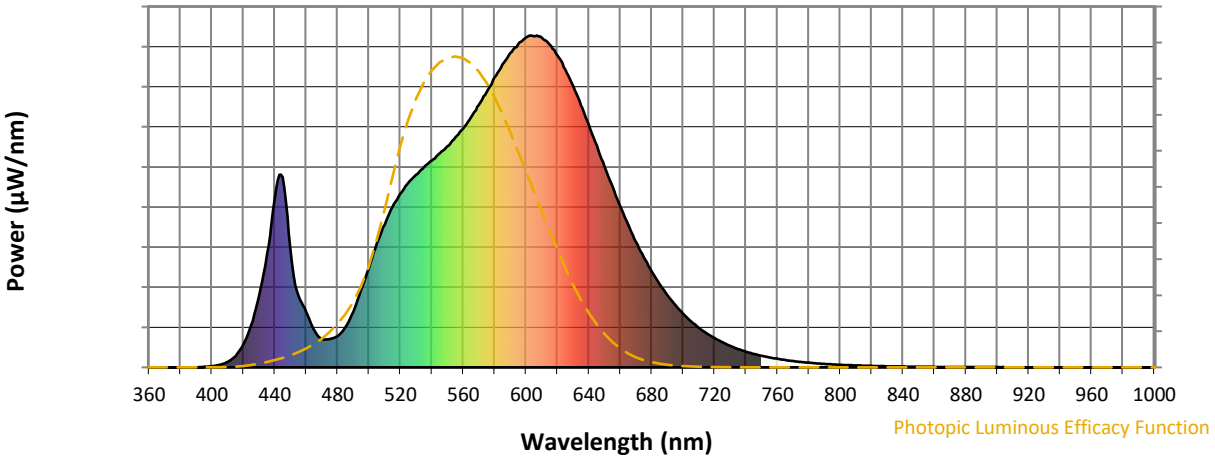


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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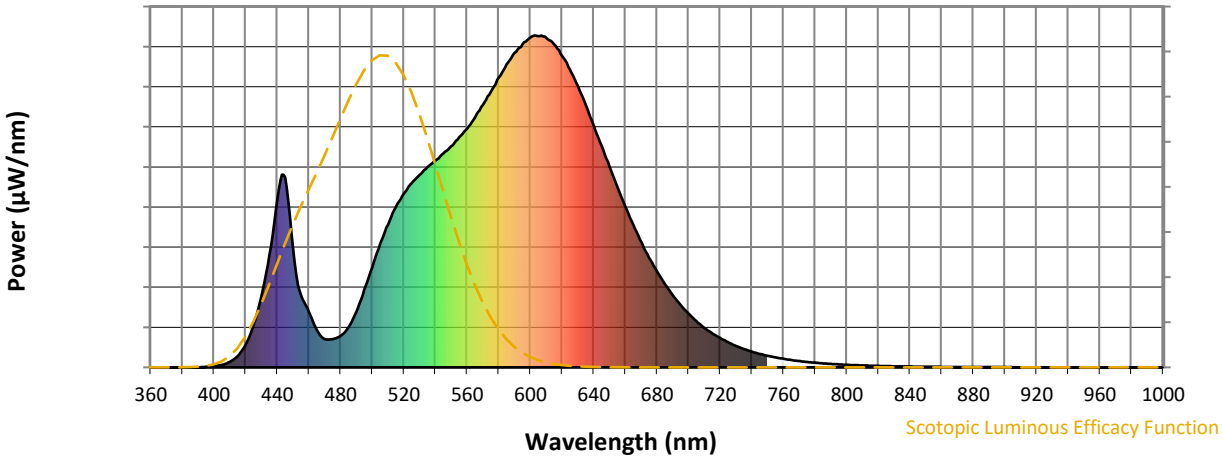
Scotopic Flux vs. Wavelength



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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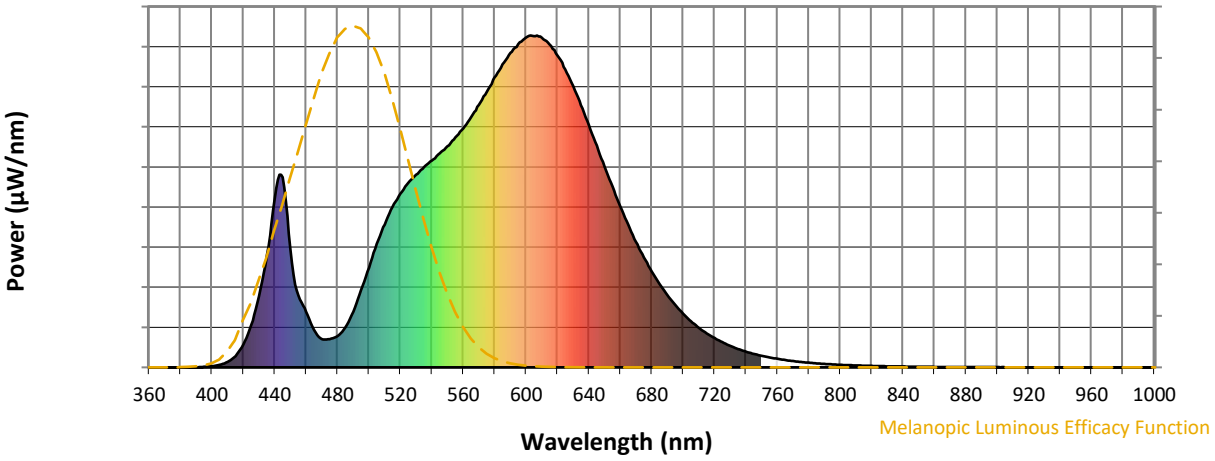
Melanopic Flux vs. Wavelength



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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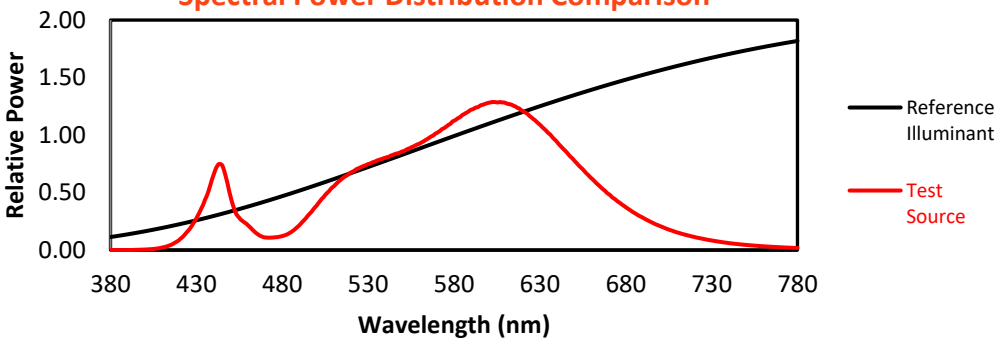
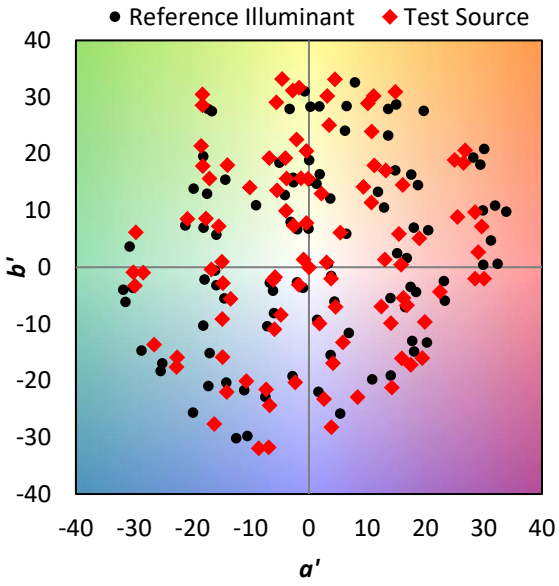
Summary

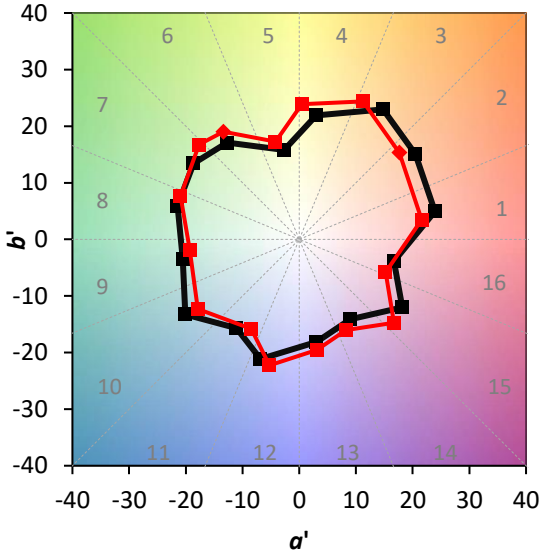
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

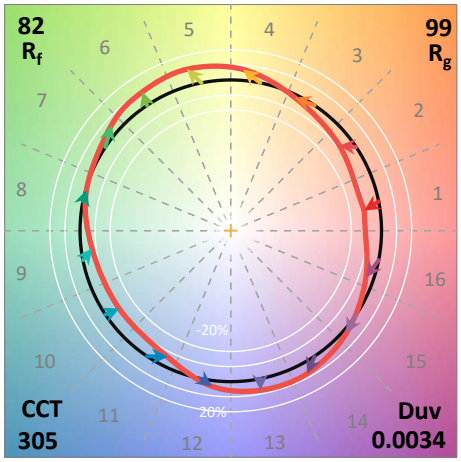
Spectral Power Distribution Comparison

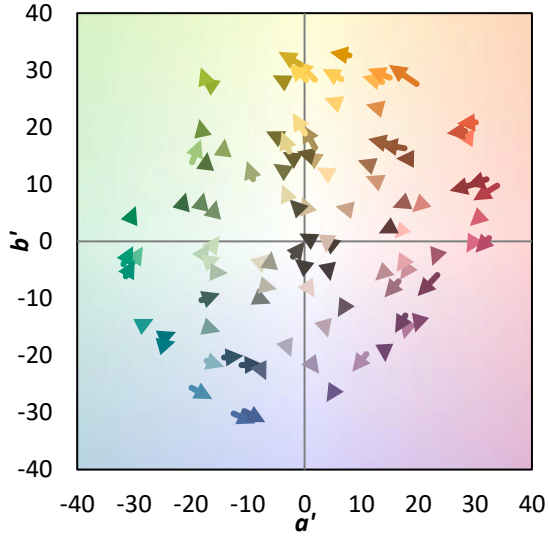


Color Vector Graphics









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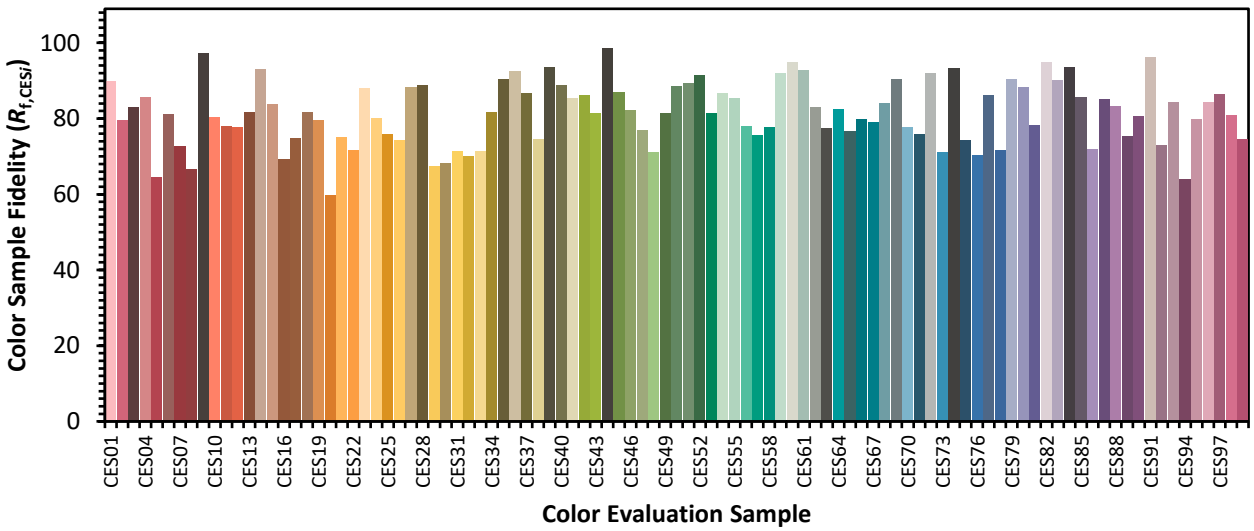
Individual Sample Fidelity Index ($R_{f,i}$)

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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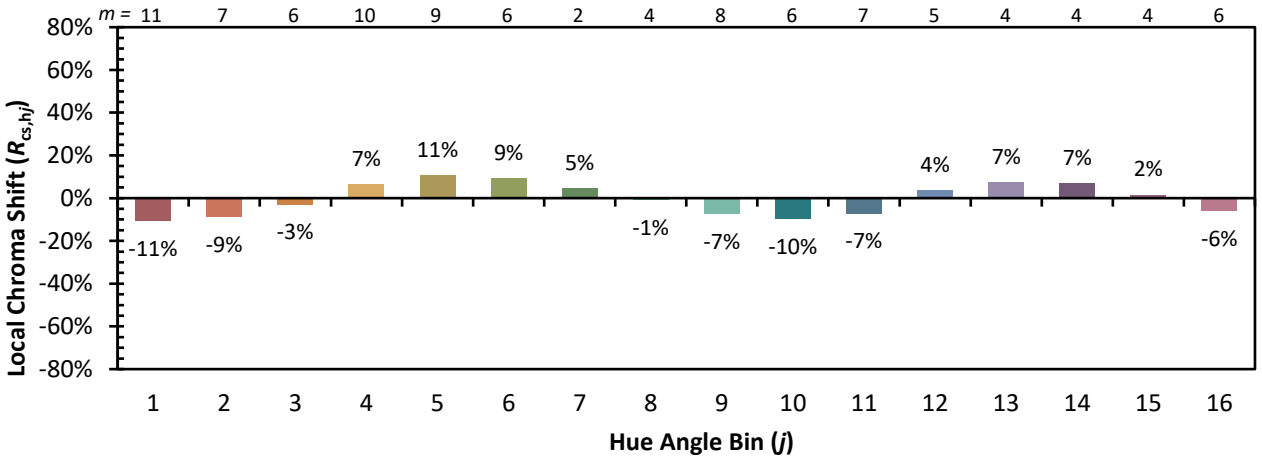
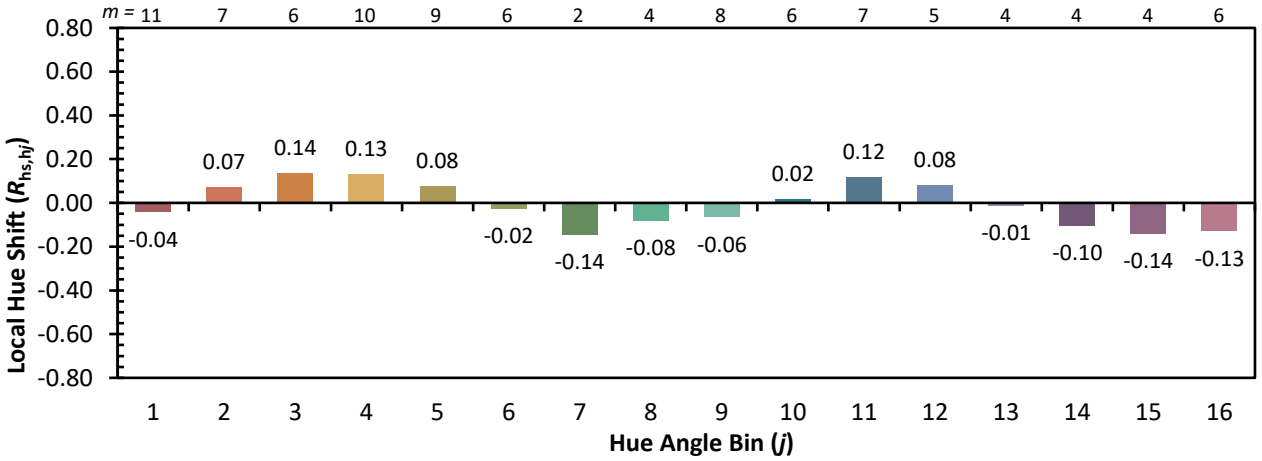
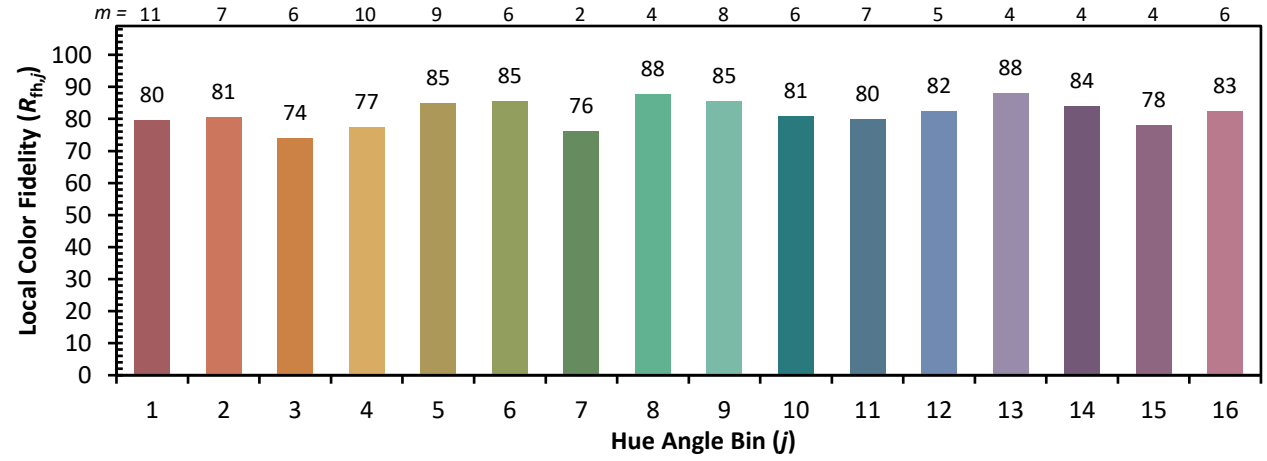
Color Rendition by Hue-Angle Bin







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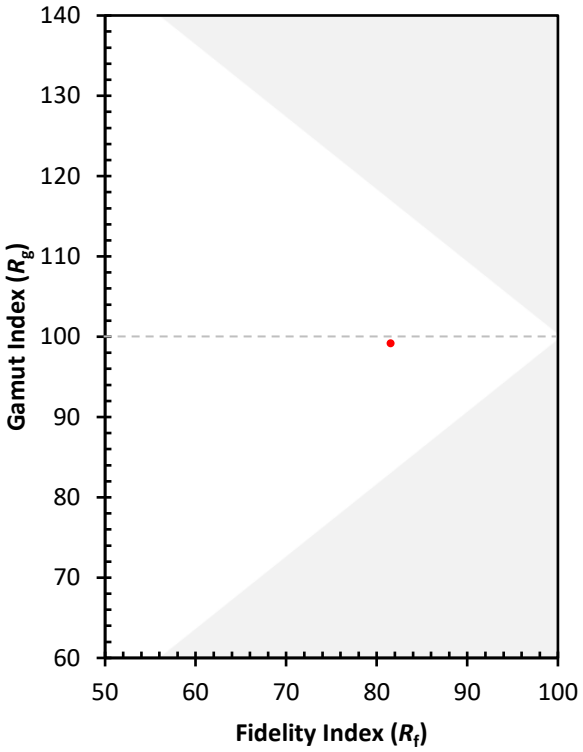
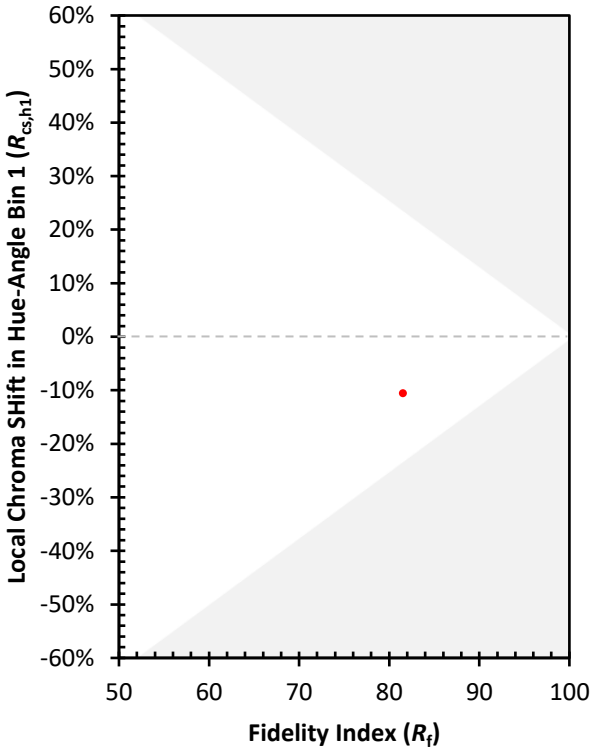
Measure Comparisons





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