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: P385844

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

Issue Date: 3/3/2020

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:	P385844
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1B-830-U-T4W-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 800mA 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:	3514 lumens
Efficiency:	N/A
Efficacy:	79.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	44
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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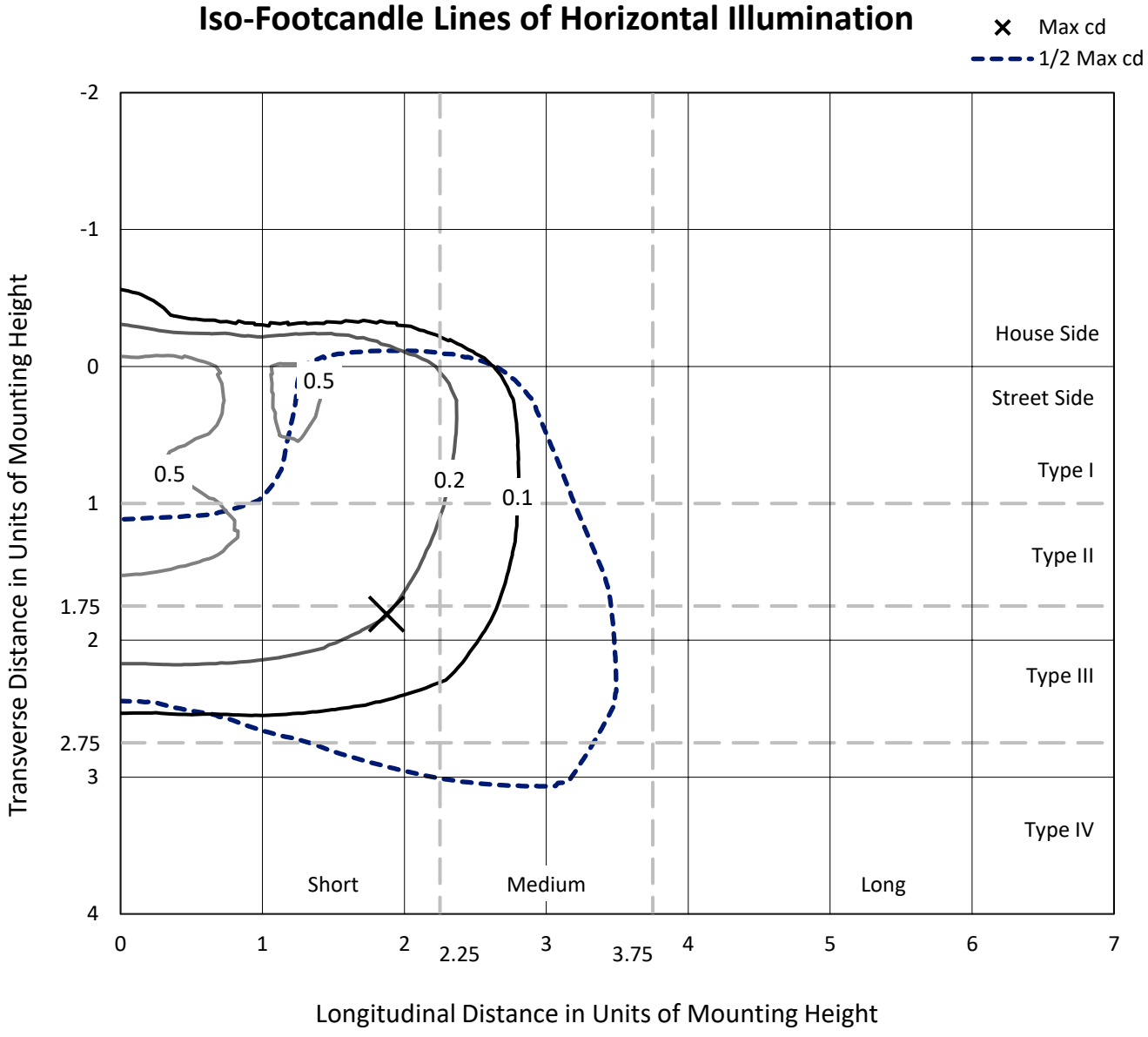
Scaled Data Report

REPORT NUMBER: P385844
CATALOG NUMBER: GPC-SA1B-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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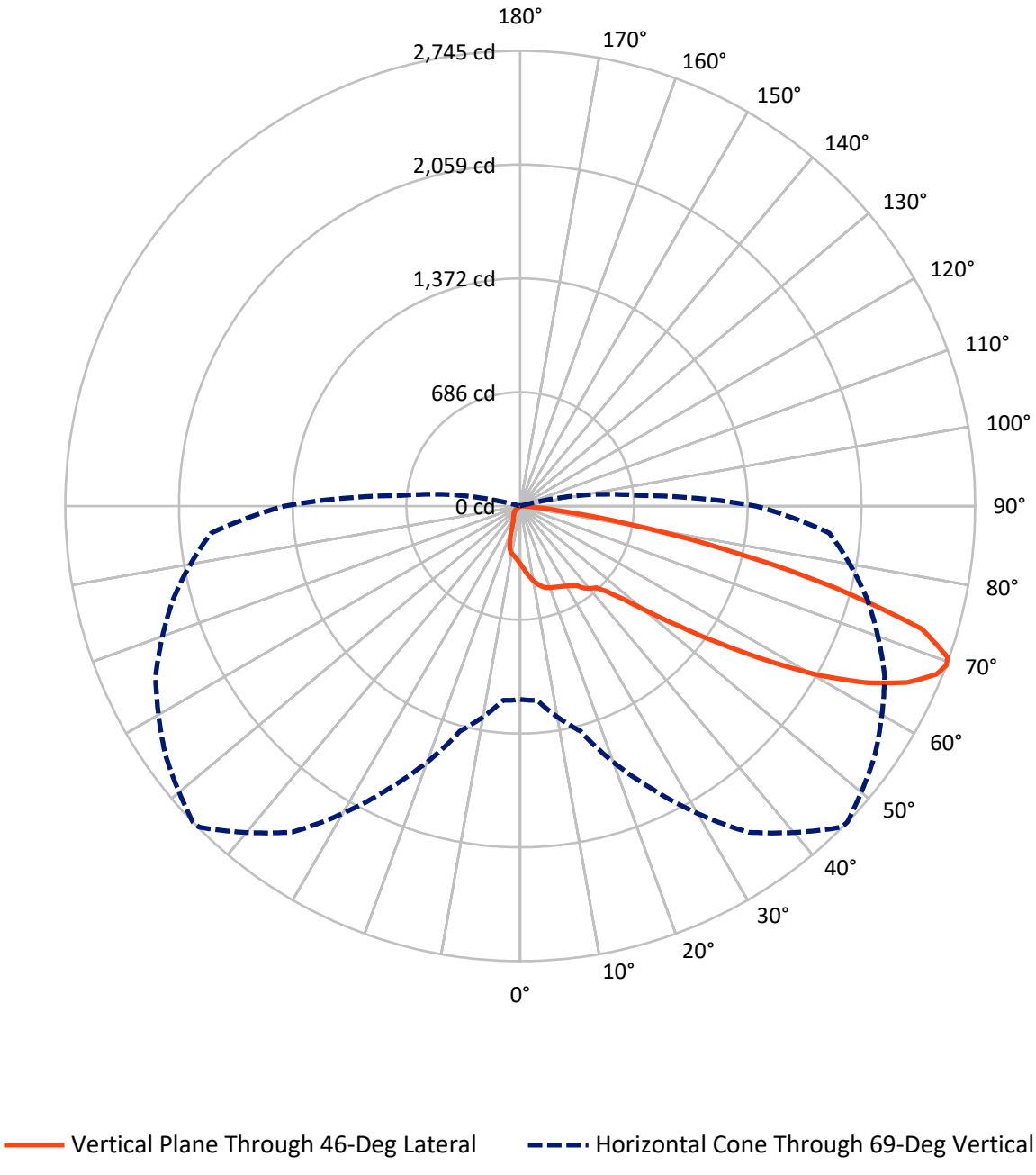
Luminous Intensity Polar Plot



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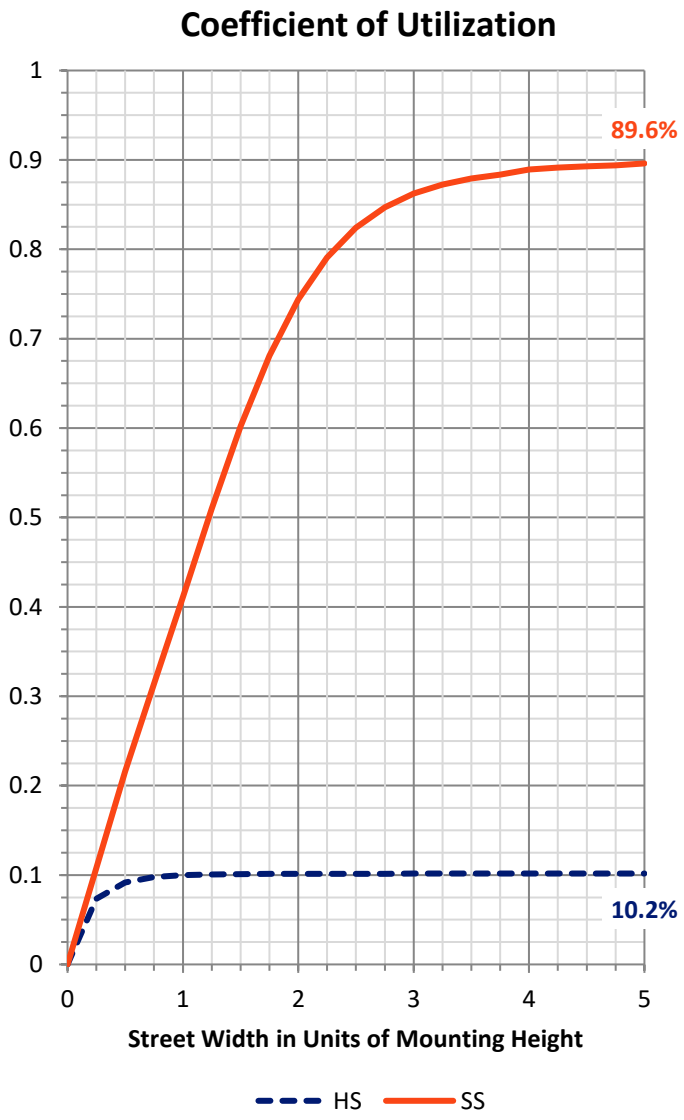
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	360.6	0.0	360.6
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	3153.4	0.0	3153.4
	% Fixture	89.7	0.0	89.7
Total	Lumens	3514.0	0.0	3514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	1.0
10°-20°	106.3	3.0
20°-30°	167.2	4.8
30°-40°	239.8	6.8
40°-50°	414.4	11.8
50°-60°	818.7	23.3
60°-70°	1144.2	32.6
70°-80°	552.8	15.7
80°-90°	35.5	1.0
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°	3514.0	100.0
0°-180°	3514.0	100.0



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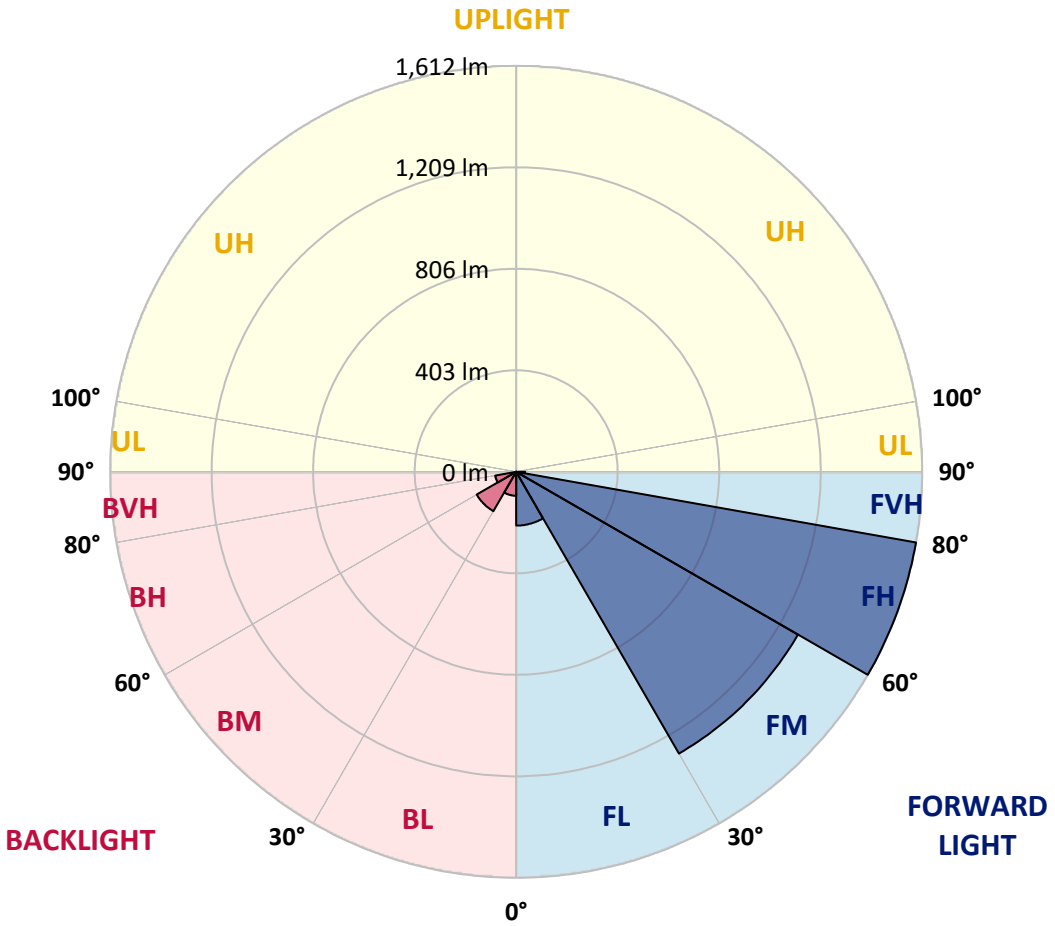
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	213.5	6.1			
FM	(30°-60°)	1292.2	36.8			
FH	(60°-80°)	1612.5	45.9			G1/1800
FVH	(80°-90°)	35.2	1.0			G1/100
BL	(0°-30°)	95.1	2.7	B0/110		
BM	(30°-60°)	180.7	5.1	B0/220		
BH	(60°-80°)	84.6	2.4	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 IV Short



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REPORT NUMBER: P385844
CATALOG NUMBER: GPC-SA1B-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	352.1	352.1	352.1	352.1	352.1	352.1	*352.1*	352.1	352.1	352.1	352.1
2.5°	391.1	390.6	388.3	387.3	381.7	378.5	*377.1*	373.0	367.1	361.2	354.6
5°	435.6	435.5	431.2	427.1	416.5	406.6	*404.8*	395.3	381.9	369.4	356.9
7.5°	481.1	479.0	474.7	466.8	451.4	435.6	*434.1*	420.6	401.7	383.6	365.6
10°	519.6	518.3	512.7	500.7	482.7	464.8	*463.0*	446.3	424.9	402.7	379.8
12.5°	549.6	548.6	541.2	526.2	507.1	488.5	*486.0*	471.2	448.3	423.4	396.4
15°	567.9	567.4	558.4	542.4	523.6	507.5	*505.3*	492.3	471.0	445.0	414.5
17.5°	572.2	572.4	563.0	546.8	531.3	519.8	*518.2*	508.3	490.5	464.6	432.7
20°	562.7	564.6	556.2	542.2	532.7	526.6	*525.3*	519.3	504.3	479.9	447.2
22.5°	549.1	550.1	544.4	535.0	531.0	532.2	*531.5*	528.2	515.5	493.1	461.5
25°	540.9	540.9	537.4	529.5	532.2	539.3	*539.4*	538.8	528.7	509.3	479.0
27.5°	540.6	539.6	535.6	529.7	536.9	547.8	*548.5*	552.9	546.7	528.9	500.7
30°	553.8	552.6	544.2	536.5	545.7	557.4	*559.0*	568.7	565.6	550.1	524.9
32.5°	584.6	580.4	561.8	549.1	556.1	570.1	*572.2*	587.7	592.6	576.3	548.3
35°	626.7	613.7	586.9	573.2	573.9	588.5	*590.5*	613.2	627.9	600.4	566.4
37.5°	684.9	678.5	634.8	598.2	601.2	623.4	*629.2*	653.9	649.8	613.6	587.0
40°	812.4	802.4	755.9	668.4	627.4	651.8	*653.6*	666.8	667.1	643.4	629.9
42.5°	986.1	982.0	933.0	795.8	679.0	670.7	*674.0*	696.3	721.1	706.3	705.7
45°	1178.4	1176.2	1124.3	964.8	783.3	732.8	*737.0*	766.8	814.4	817.7	838.6
47.5°	1333.1	1332.1	1302.3	1153.5	942.9	838.1	*839.4*	871.1	954.8	996.1	1029.6
50°	1474.1	1478.9	1455.3	1357.6	1160.4	1003.1	*999.9*	1021.0	1155.5	1223.2	1264.7
52.5°	1670.2	1676.9	1610.8	1548.1	1388.6	1207.7	*1205.2*	1227.3	1396.7	1447.4	1454.8
55°	1843.3	1831.8	1779.6	1761.4	1666.9	1460.4	*1459.8*	1479.2	1630.0	1651.5	1665.2
57.5°	1919.8	1915.3	1940.5	1982.0	1958.3	1759.1	*1757.6*	1742.8	1838.7	1841.0	1883.0
60°	1968.0	1973.5	2050.8	2178.8	2237.9	2080.6	*2071.0*	1980.6	2038.1	2033.0	2077.9
62.5°	1931.8	1942.5	2081.6	2294.9	2447.2	2361.2	*2347.6*	2198.4	2208.4	2190.8	2232.6
65°	1739.4	1756.0	1983.9	2273.0	2551.0	2580.5	*2566.8*	2390.7	2343.7	2314.7	2291.5
67.5°	1412.3	1422.2	1660.1	2082.4	2504.2	2711.3	*2708.5*	2559.2	2445.8	2293.8	2113.5
69°	*1167.2*	*1176.9*	*1405.9*	*1881.7*	*2401.2*	*2739.3*	*2744.7*	*2613.2*	*2426.4*	*2166.6*	*1872.6*
70°	988.6	998.9	1212.3	1709.7	2281.7	2726.3	*2736.0*	2608.1	2370.7	2019.3	1661.3
72.5°	518.5	527.4	746.4	1177.9	1860.1	2503.3	*2532.8*	2387.7	2009.6	1466.5	982.3
75°	162.9	168.1	291.5	615.7	1273.6	1946.5	*1953.2*	1873.0	1427.0	806.7	409.1
77.5°	62.1	60.6	97.0	226.9	643.9	1225.6	*1267.0*	1170.4	748.8	285.2	94.4
80°	33.4	33.6	50.4	93.9	275.5	629.9	*664.8*	567.3	266.1	89.0	21.7
82.5°	14.5	15.2	28.3	49.8	126.5	232.3	*249.8*	207.9	101.7	59.8	8.1
85°	3.1	3.5	13.7	27.0	51.6	65.2	*68.4*	67.4	64.8	46.5	3.1
87.5°	0.0	0.0	6.1	9.7	13.0	14.8	*13.0*	17.0	35.8	31.3	1.6
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: P385844
CATALOG NUMBER: GPC-SA1B-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	352.1	352.1	352.1	352.1	352.1	352.1	352.1	352.1	352.1	352.1	352.1
2.5°	352.4	349.5	344.3	338.7	334.8	330.7	327.4	325.9	324.2	323.1	324.6
5°	351.8	346.0	336.1	326.6	319.6	314.0	309.4	307.6	305.8	304.5	304.3
7.5°	357.5	349.5	334.3	320.3	309.6	302.0	295.7	293.1	291.0	290.0	289.2
10°	368.6	358.2	337.9	319.6	305.8	292.9	279.4	269.1	262.3	259.2	258.0
12.5°	382.9	369.9	344.8	323.1	303.0	278.3	249.6	224.9	208.9	203.6	200.5
15°	399.7	383.6	353.9	327.5	292.8	247.6	199.0	166.7	151.9	148.9	145.6
17.5°	415.9	398.1	364.8	328.4	270.4	197.9	145.8	123.9	118.1	120.1	120.6
20°	430.0	412.4	375.5	321.1	229.7	148.4	112.9	107.4	109.6	113.4	114.0
22.5°	444.4	426.2	385.4	302.0	177.6	112.7	101.7	103.0	105.1	108.9	109.6
25°	461.8	443.0	394.6	266.9	133.3	95.9	96.5	98.5	100.7	104.1	104.5
27.5°	481.9	464.3	400.7	221.3	98.9	88.1	90.3	93.3	95.4	98.7	99.3
30°	508.6	492.3	402.7	174.0	82.9	81.2	82.2	85.8	89.0	91.9	92.4
32.5°	533.7	520.0	396.1	131.3	76.8	74.8	74.8	76.9	80.6	83.4	84.0
35°	556.7	547.8	375.0	96.1	72.2	68.9	67.2	67.2	69.5	71.8	72.5
37.5°	587.2	586.9	340.9	76.6	67.7	63.9	60.5	57.8	57.0	57.5	57.8
40°	639.4	639.9	296.4	68.7	63.9	58.8	53.5	48.8	44.3	42.8	42.7
42.5°	721.0	713.6	249.8	64.9	60.6	53.5	45.6	39.2	32.3	30.2	30.0
45°	850.5	806.5	200.3	61.5	57.2	47.6	37.7	29.0	23.4	21.7	21.7
47.5°	1039.1	928.6	155.2	57.7	52.6	40.9	28.5	20.9	17.1	16.3	16.5
50°	1234.2	1048.2	119.0	52.9	47.0	33.8	21.1	15.2	13.0	13.0	13.2
52.5°	1407.2	1135.8	92.8	47.8	40.0	26.5	16.0	11.9	10.9	10.7	10.9
55°	1569.2	1192.4	71.0	41.8	31.8	19.8	12.2	9.7	9.1	8.7	8.6
57.5°	1725.4	1220.4	53.2	33.8	23.1	14.3	9.7	8.2	7.6	7.1	6.9
60°	1829.3	1197.6	36.6	24.9	16.0	10.4	8.1	7.1	6.3	5.8	5.6
62.5°	1888.0	1135.5	23.6	18.0	11.4	7.7	6.4	5.9	4.8	4.3	4.3
65°	1864.2	1033.0	16.5	12.9	8.2	5.8	4.8	4.8	3.5	2.8	2.6
67.5°	1652.0	872.7	12.5	9.6	5.9	4.3	3.6	4.1	2.1	1.3	1.3
69°	*1421.4*	*723.3*	*10.7*	*7.9*	*4.9*	*3.5*	*3.1*	*3.8*	*1.5*	*1.0*	*0.8*
70°	1235.4	623.9	9.7	6.9	4.1	3.0	2.8	3.6	1.5	0.8	0.7
72.5°	739.1	348.0	7.4	4.9	2.6	2.3	2.3	4.1	1.5	0.8	0.7
75°	298.7	122.6	5.4	3.5	2.0	2.0	2.8	5.3	1.3	0.7	0.5
77.5°	67.7	26.9	3.1	2.1	1.3	2.0	3.3	4.1	0.8	0.3	0.0
80°	16.5	6.6	2.0	1.3	0.8	1.5	2.5	2.3	0.2	0.0	0.0
82.5°	5.4	2.3	0.8	0.7	0.2	0.5	1.2	0.7	0.0	0.0	0.0
85°	2.3	1.3	0.3	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0
87.5°	1.5	0.5	0.0	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

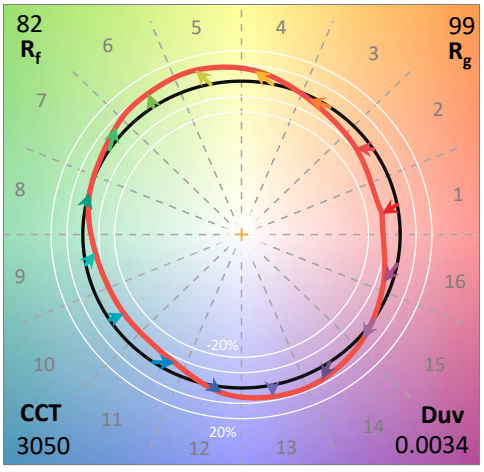
Test Information

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

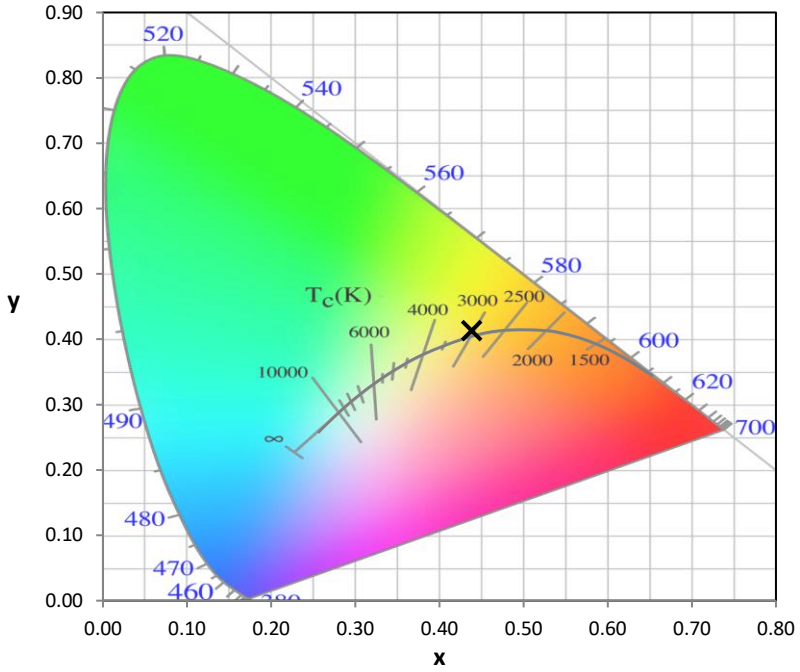
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

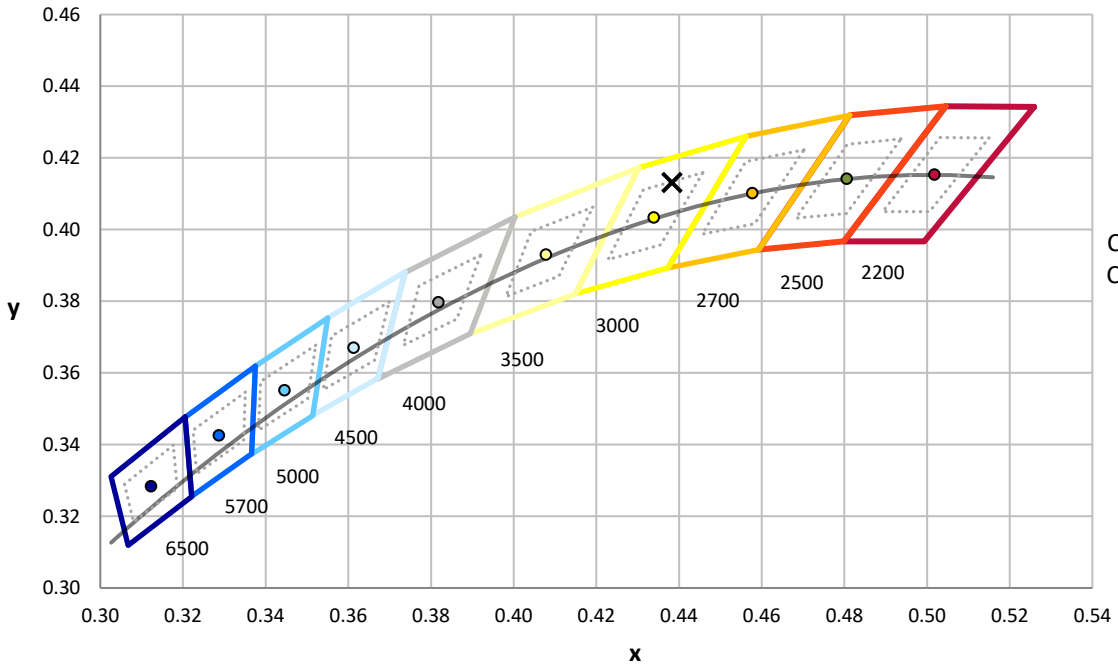
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

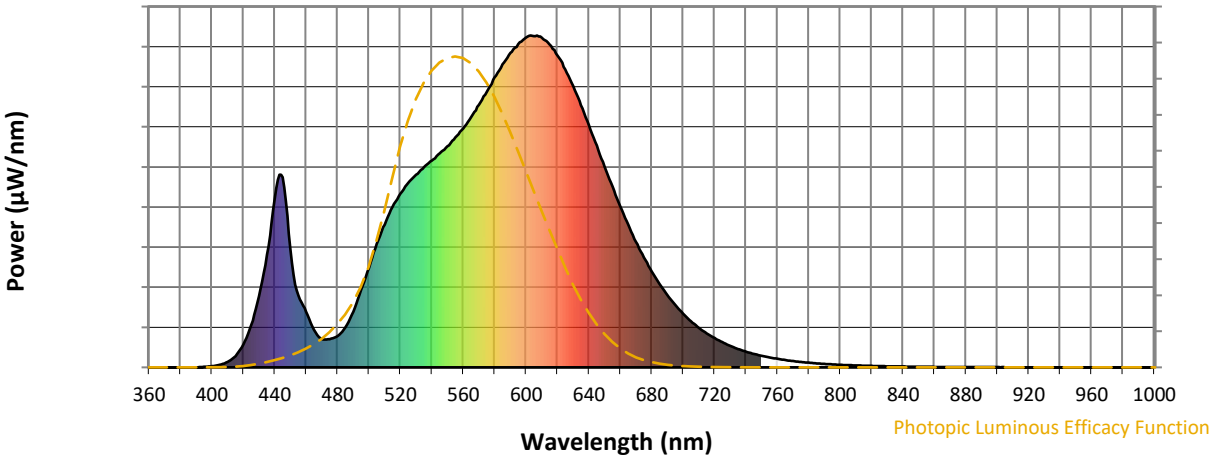


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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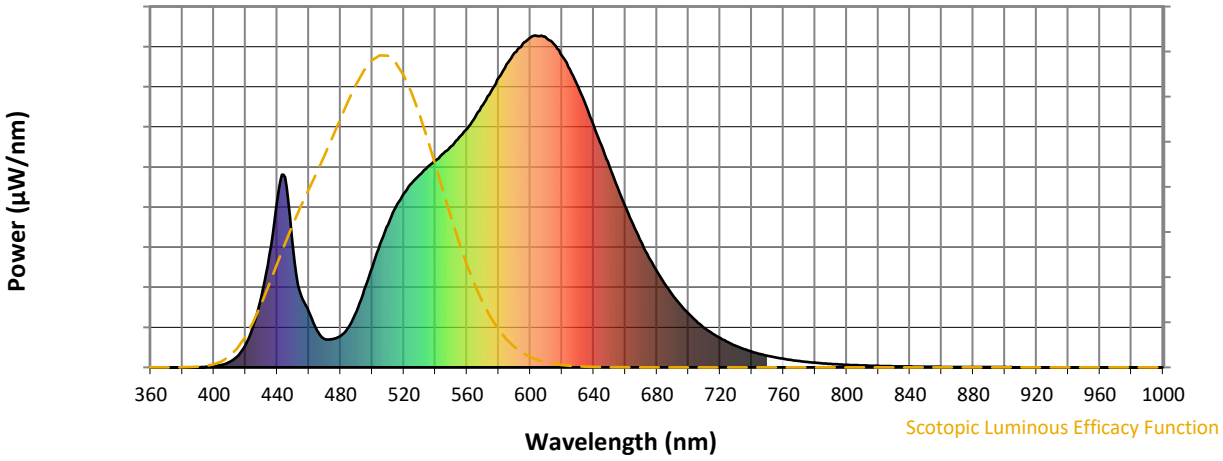
Scotopic Flux vs. Wavelength



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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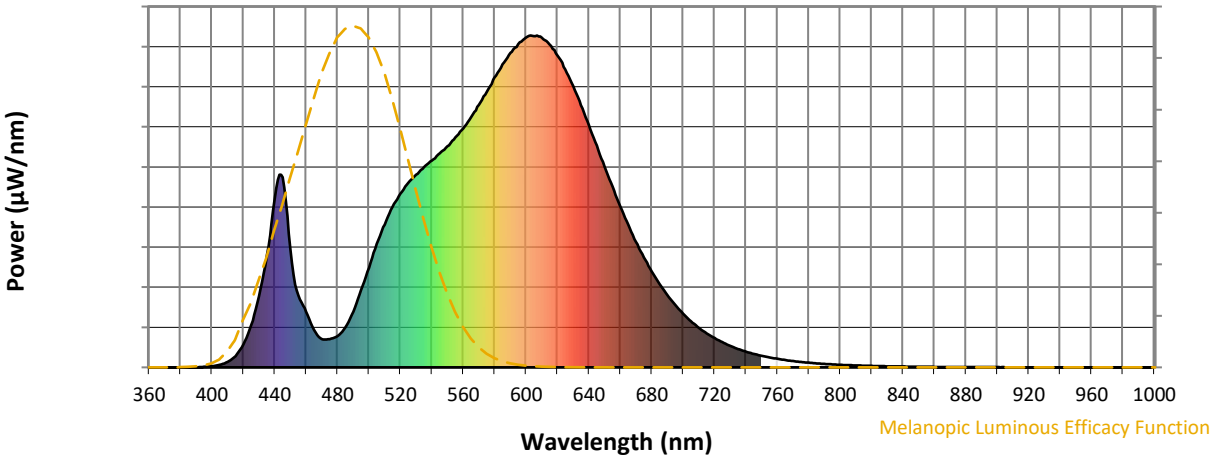
Melanopic Flux vs. Wavelength



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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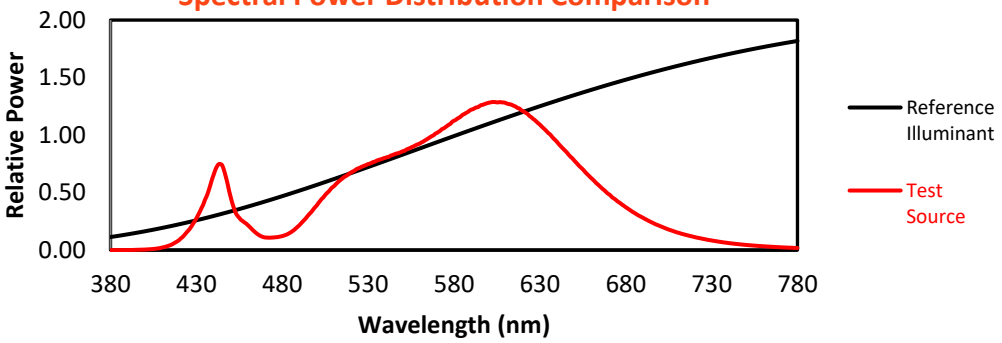
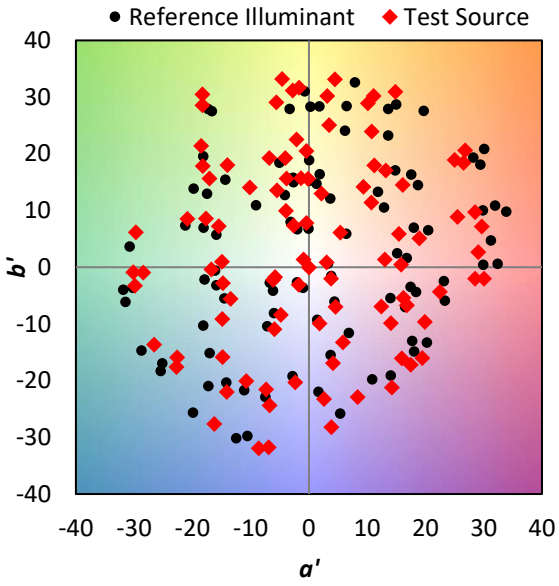
Summary

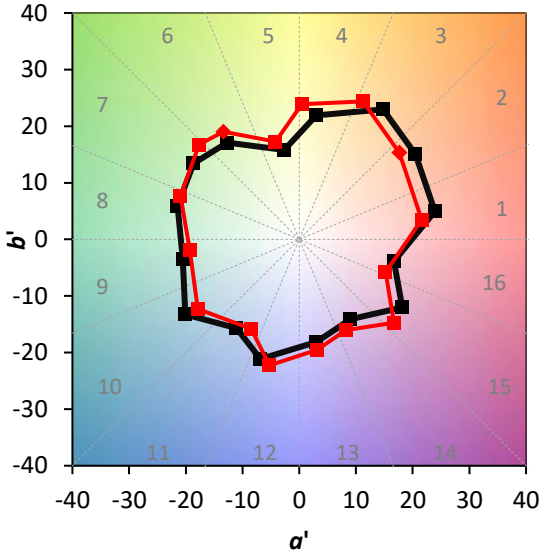
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

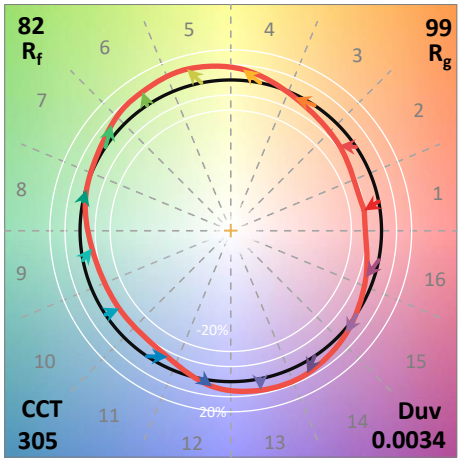
Spectral Power Distribution Comparison

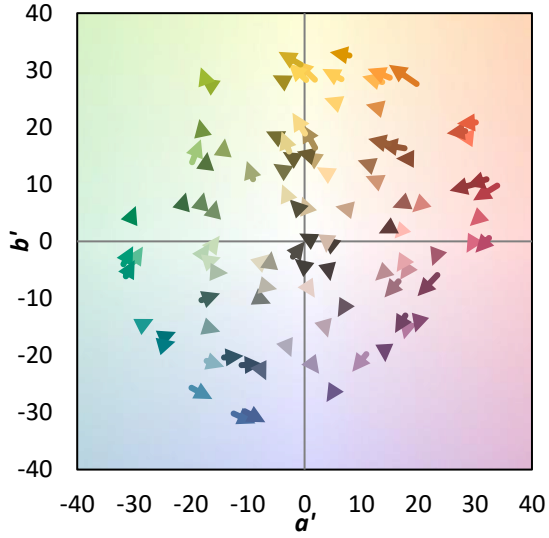


Color Vector Graphics









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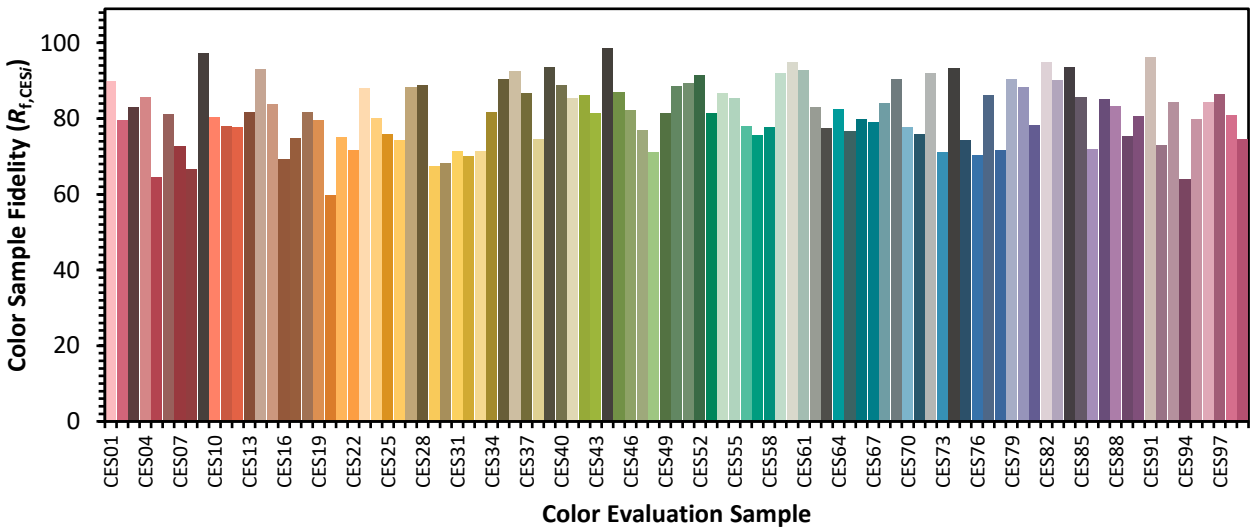
Individual Sample Fidelity Index ($R_{f,i}$)

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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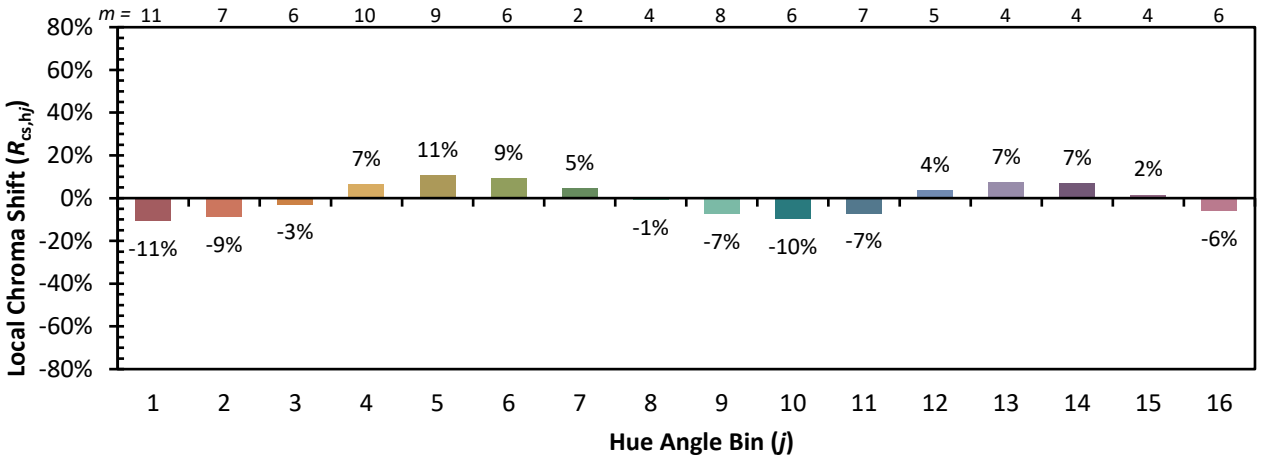
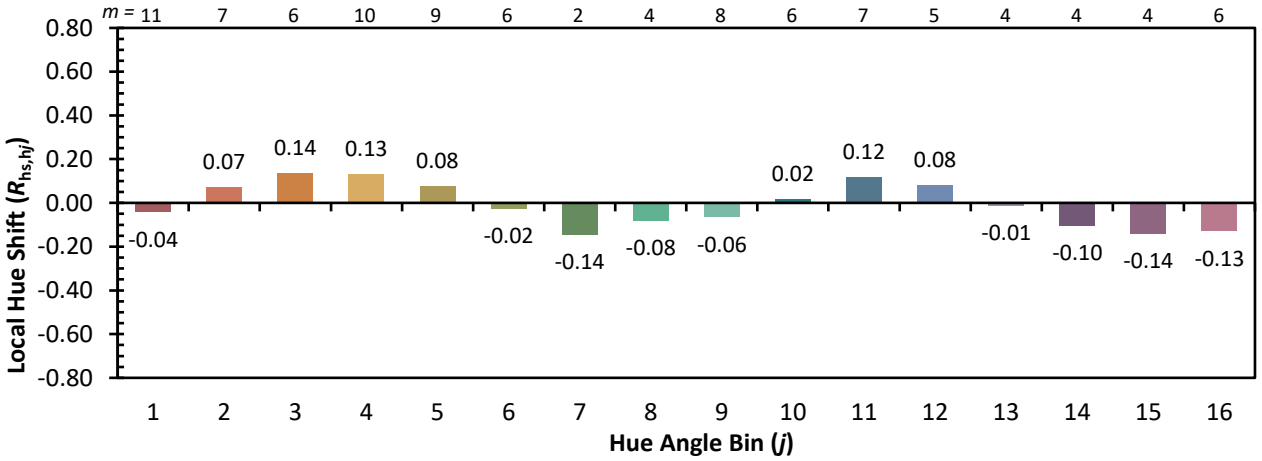
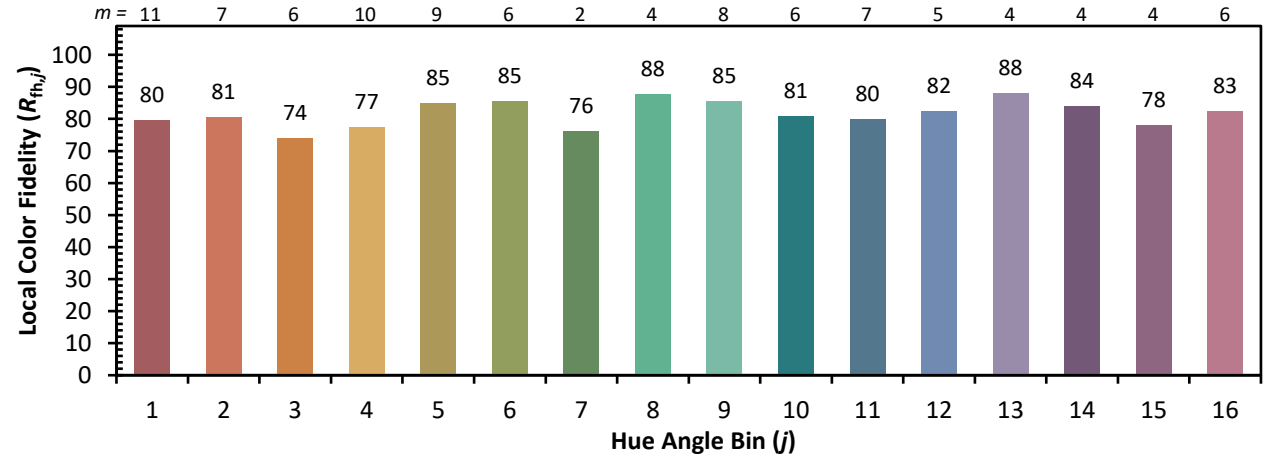
Color Rendition by Hue-Angle Bin







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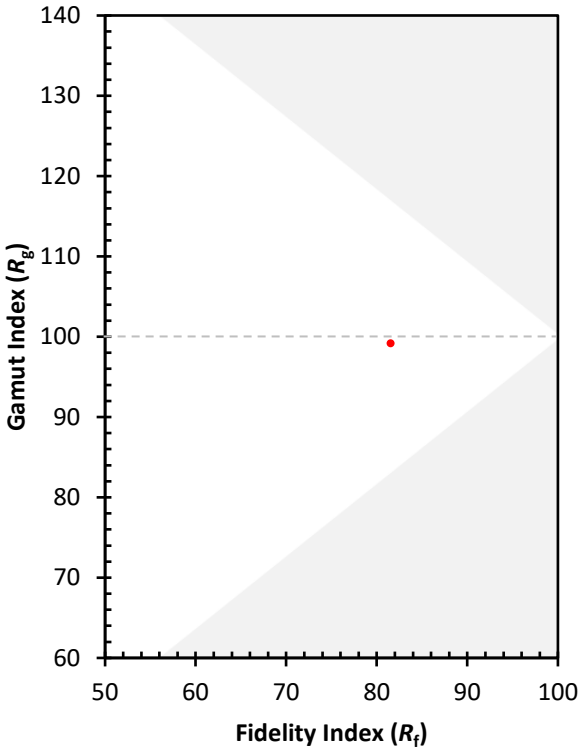
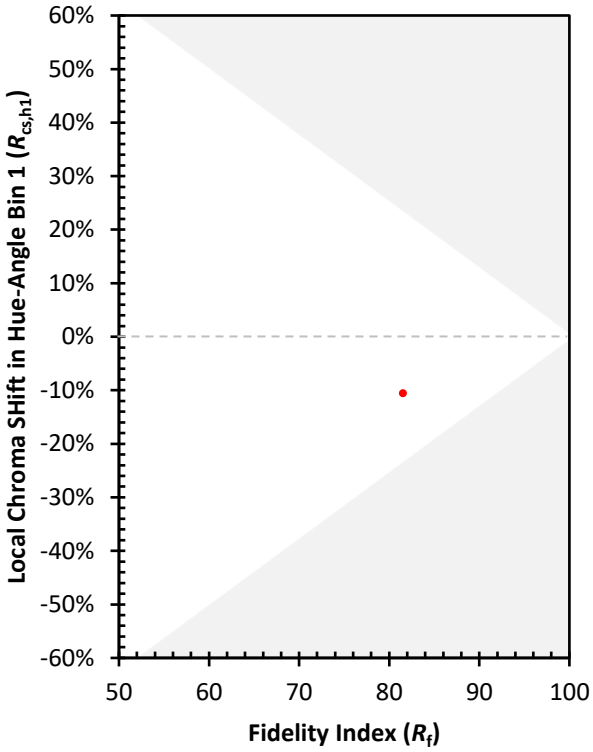
Measure Comparisons





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