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: P386066

Luminaire Tested: **GPC-SA1C-830-U-T4FT-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:	P386066
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1C-830-U-T4FT-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4262 lumens
Efficiency:	N/A
Efficacy:	73.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	58
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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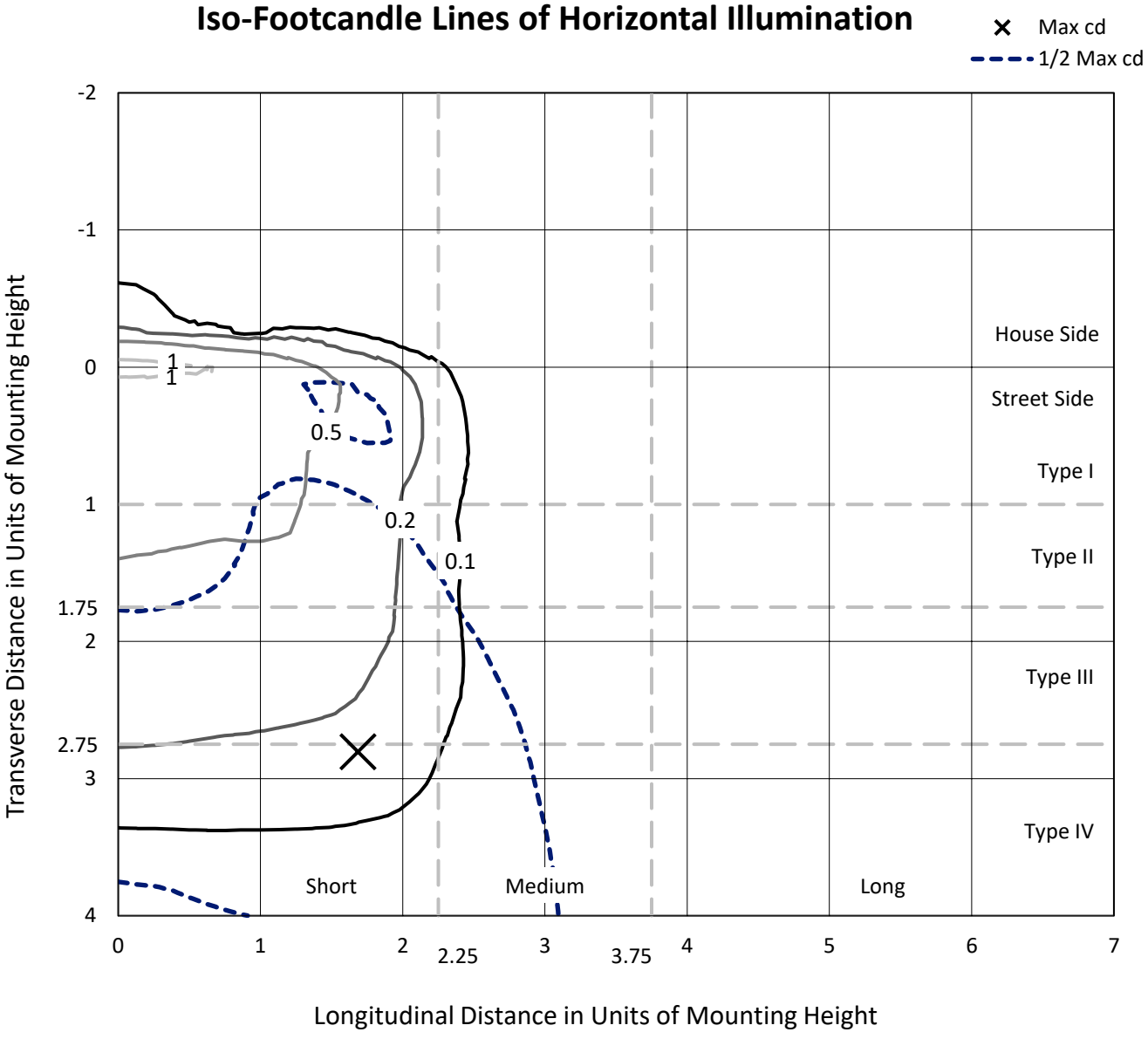
REPORT NUMBER: P386066
CATALOG NUMBER: GPC-SA1C-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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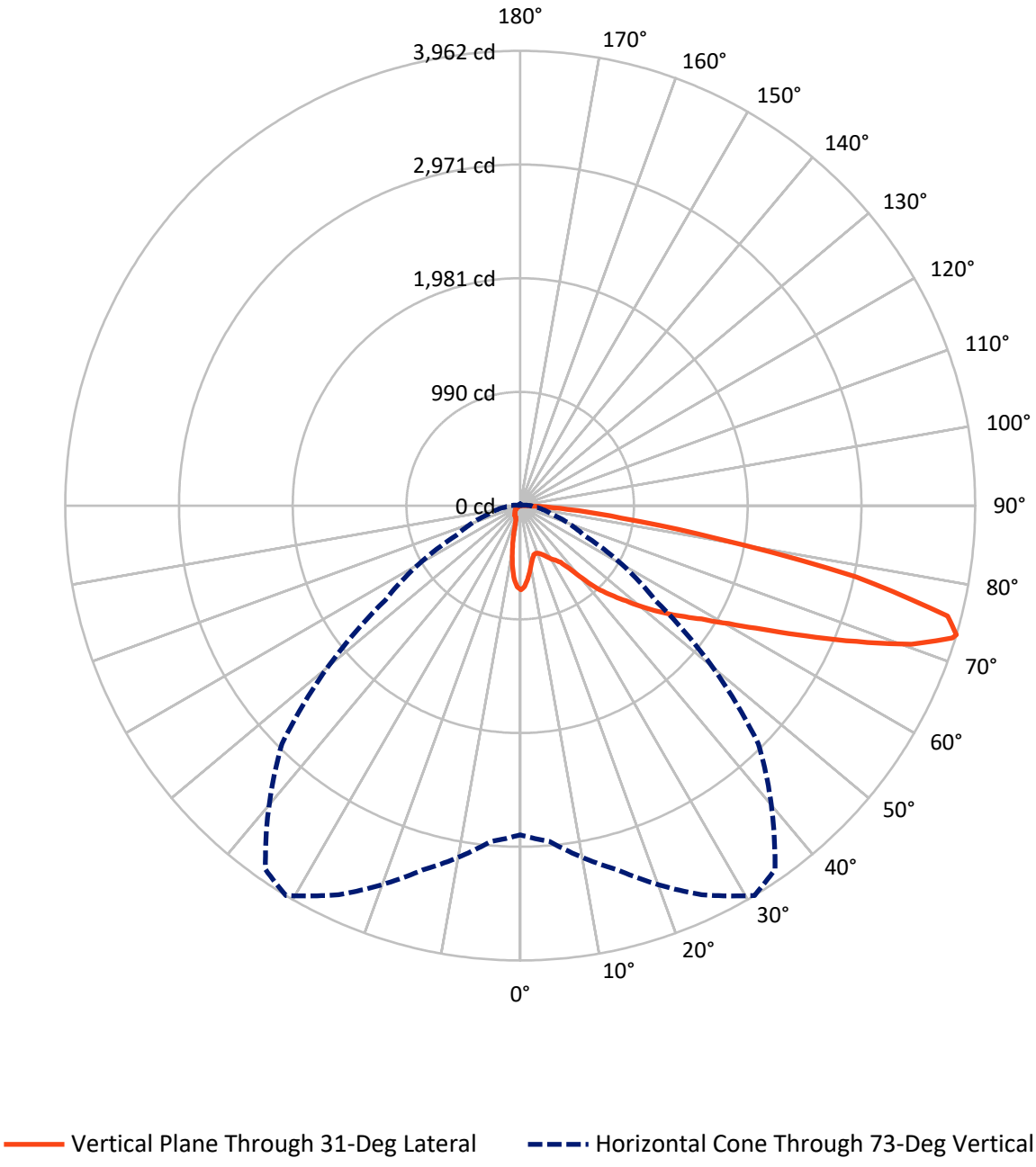
Luminous Intensity Polar Plot



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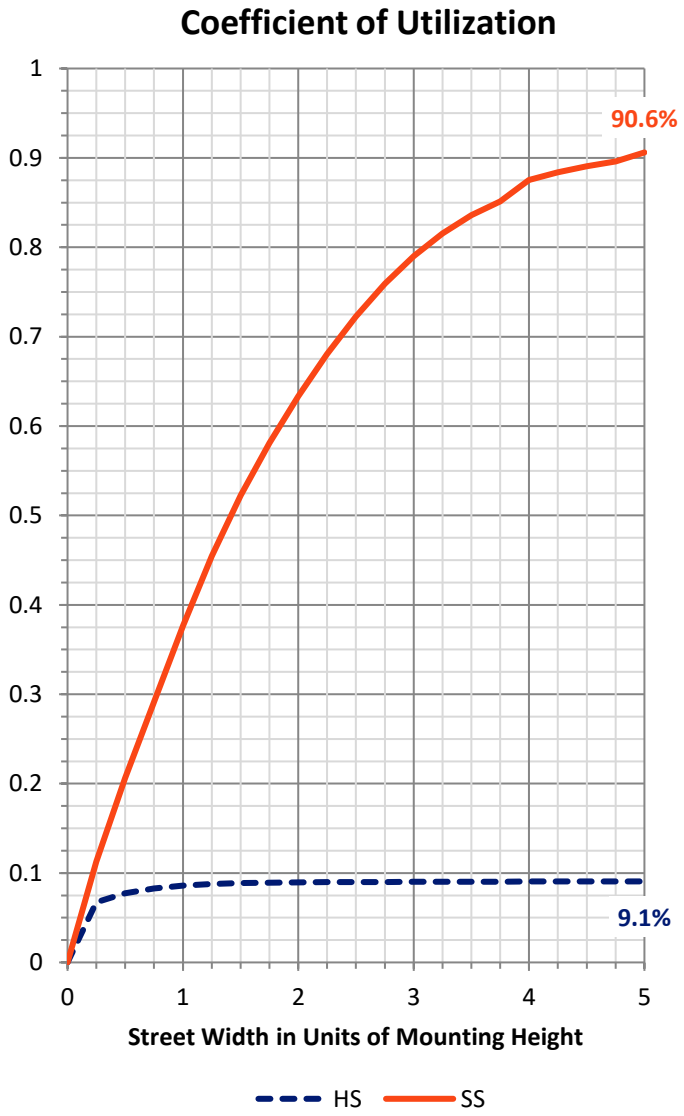
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	388.5	0.0	388.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	3873.5	0.0	3873.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	4262.0	0.0	4262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	1.4
10°-20°	132.0	3.1
20°-30°	197.8	4.6
30°-40°	314.7	7.4
40°-50°	562.0	13.2
50°-60°	872.0	20.5
60°-70°	1159.2	27.2
70°-80°	871.9	20.5
80°-90°	91.6	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°	4262.0	100.0
0°-180°	4262.0	100.0



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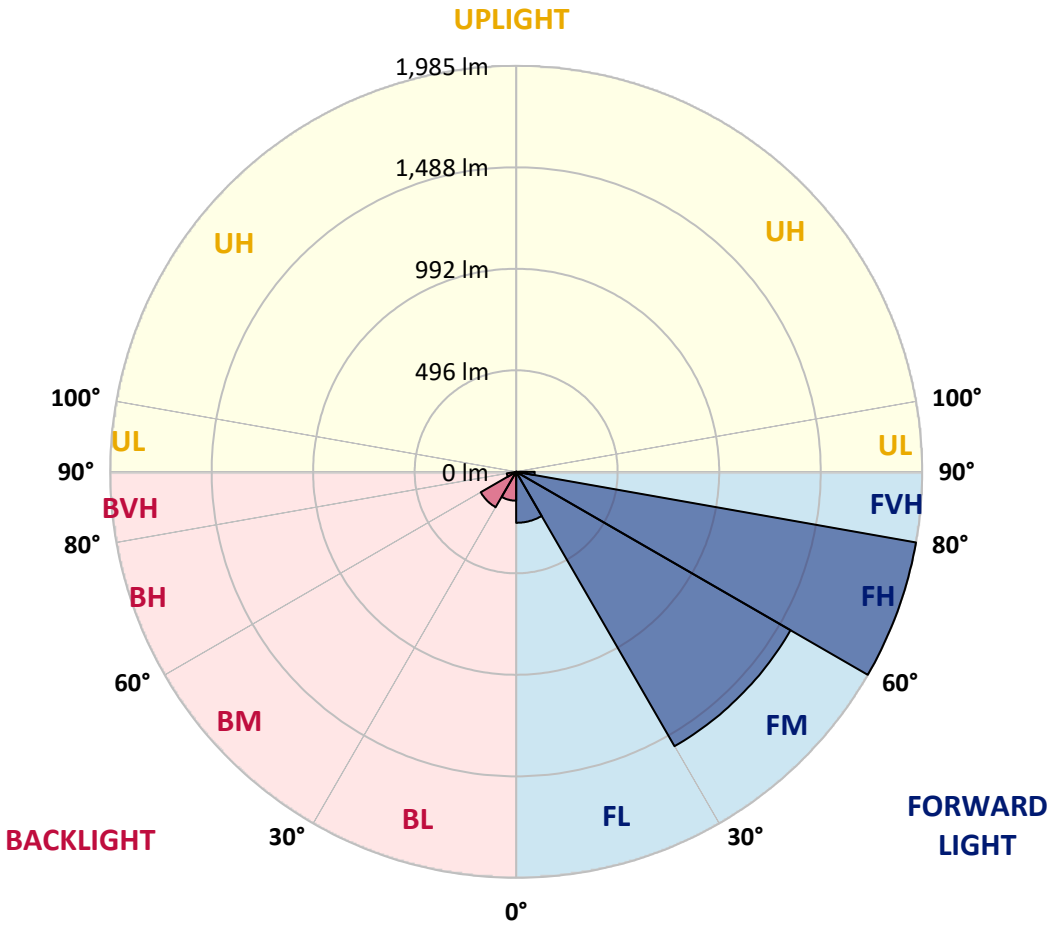
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	249.3	5.9			
FM	(30°-60°)	1548.7	36.3			
FH	(60°-80°)	1984.7	46.6			G2/5000
FVH	(80°-90°)	90.9	2.1			G1/100
BL	(0°-30°)	141.3	3.3	B1/500		
BM	(30°-60°)	200.0	4.7	B0/220		
BH	(60°-80°)	46.5	1.1	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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REPORT NUMBER: P386066
CATALOG NUMBER: GPC-SA1C-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3
2.5°	694.9	697.8	701.0	701.6	706.8	707.0	714.5	720.1	725.8	731.2	733.1
5°	623.6	628.4	634.0	639.6	650.7	655.1	673.4	692.2	710.1	727.2	735.6
7.5°	547.5	552.9	560.8	574.8	587.1	595.6	624.6	658.0	691.4	722.9	741.0
10°	478.0	483.0	491.4	506.2	525.1	536.8	575.8	622.1	671.1	718.9	749.1
12.5°	433.8	436.5	441.1	456.9	474.0	487.2	533.1	590.4	654.5	718.7	762.3
15°	425.7	426.5	422.7	429.8	443.2	455.9	502.4	564.8	641.7	722.0	779.4
17.5°	438.6	438.2	425.7	424.8	435.5	445.9	487.4	547.0	632.8	729.7	801.5
20°	458.2	456.7	435.0	431.1	442.3	452.2	486.4	540.4	629.4	742.7	828.4
22.5°	484.3	481.8	447.8	443.6	455.7	465.9	499.3	546.8	632.3	760.0	859.7
25°	516.6	512.8	469.7	465.1	477.4	487.6	522.4	565.4	641.1	781.0	899.3
27.5°	553.1	547.7	504.7	492.8	506.8	517.4	553.3	593.8	654.9	803.4	947.9
30°	587.5	580.4	541.6	522.0	539.1	551.0	586.7	627.5	677.0	837.8	1014.4
32.5°	622.1	614.2	574.6	551.2	566.6	579.6	621.1	674.1	718.5	890.3	1102.8
35°	701.8	693.5	644.9	606.3	606.1	613.4	669.3	737.7	773.3	963.5	1208.4
37.5°	835.9	831.1	784.8	711.6	692.0	683.9	735.0	813.6	852.2	1064.3	1327.5
40°	982.7	978.5	926.6	860.3	830.5	810.5	829.2	919.3	963.5	1187.3	1449.1
42.5°	1148.5	1128.7	1036.1	1016.3	989.6	974.4	957.5	1049.7	1100.3	1321.2	1569.6
45°	1299.1	1265.7	1145.6	1115.6	1109.5	1113.3	1122.7	1224.9	1254.3	1480.3	1689.7
47.5°	1388.8	1362.5	1270.3	1241.5	1239.9	1264.7	1335.6	1422.8	1407.6	1619.0	1795.5
50°	1474.1	1450.3	1373.8	1380.9	1388.6	1422.4	1577.3	1626.3	1547.5	1744.8	1892.4
52.5°	1543.1	1506.8	1466.8	1506.6	1544.6	1599.0	1826.7	1809.0	1646.8	1844.9	1975.5
55°	1582.9	1566.5	1585.9	1625.9	1697.2	1785.7	2062.2	1961.1	1719.3	1936.2	2030.7
57.5°	1728.9	1696.6	1735.2	1769.8	1862.8	1986.5	2263.9	2074.3	1771.7	1992.8	2043.4
60°	1905.6	1879.5	1902.2	1959.8	2085.4	2230.7	2452.4	2166.7	1799.0	2029.0	2010.5
62.5°	2186.7	2152.3	2138.1	2202.6	2369.0	2527.7	2595.5	2230.7	1793.0	2013.0	1897.5
65°	2563.4	2527.7	2464.3	2522.7	2734.4	2846.4	2755.5	2244.3	1751.3	1883.1	1611.7
67.5°	2949.2	2923.3	2869.1	2967.6	3158.6	3194.7	2924.6	2211.3	1616.9	1526.8	1138.7
70°	3204.1	3193.0	3228.3	3446.0	3616.4	3605.9	3079.8	2034.3	1260.3	938.9	563.3
72.5°	3020.3	3073.3	3333.6	3728.4	3936.5	3851.4	3000.1	1562.1	720.4	361.2	162.9
73°	2868.1	2935.9	3286.2	3739.0	3961.7	3868.5	2933.1	1433.8	614.0	285.1	123.5
75°	1995.3	2078.5	2720.6	3482.3	3843.7	3685.8	2444.9	877.6	284.5	126.4	49.8
77.5°	968.7	1030.3	1498.1	2516.0	2989.2	2879.8	1522.0	327.0	128.5	79.0	22.9
80°	361.6	402.1	650.3	1280.5	1727.5	1772.7	669.5	123.7	85.5	63.6	11.7
82.5°	94.7	105.5	239.8	571.0	885.3	926.6	211.1	62.4	62.6	52.3	7.1
85°	30.2	34.6	74.9	256.3	417.1	366.2	55.1	30.2	45.5	39.0	4.0
87.5°	3.8	4.8	23.8	60.3	92.0	51.1	8.6	9.0	19.4	21.7	2.3
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: P386066
CATALOG NUMBER: GPC-SA1C-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3
2.5°	735.0	733.9	734.1	728.7	725.2	718.1	710.8	707.4	703.9	702.4	703.9
5°	738.7	736.8	731.4	714.7	697.0	674.1	652.6	636.3	615.9	610.2	616.1
7.5°	744.5	740.8	724.9	690.9	651.5	607.7	558.5	522.6	493.2	474.3	481.1
10°	753.1	746.0	714.1	656.3	585.8	508.3	438.4	384.0	345.4	329.5	328.9
12.5°	767.5	754.1	700.8	611.3	505.5	402.1	310.5	251.5	220.2	200.0	199.6
15°	783.3	763.7	683.9	557.3	412.1	288.0	200.0	155.2	134.9	128.5	127.6
17.5°	802.7	774.8	662.0	490.7	314.3	190.8	130.6	117.6	116.8	116.2	116.2
20°	827.1	787.9	633.8	414.6	222.9	127.4	111.0	111.8	112.2	111.4	111.6
22.5°	855.5	801.3	600.2	332.9	150.8	106.6	106.2	107.2	107.6	107.2	107.4
25°	888.5	816.7	559.3	247.1	108.9	101.2	102.2	103.7	104.7	104.7	104.7
27.5°	929.3	835.5	510.1	172.5	94.1	95.5	98.4	101.2	102.6	103.0	103.0
30°	982.5	858.8	451.1	118.3	85.5	88.0	93.4	98.6	101.4	101.8	102.0
32.5°	1049.7	885.1	382.7	87.4	78.2	80.1	85.9	94.7	99.9	100.7	100.7
35°	1126.6	915.6	309.1	76.1	73.0	73.6	78.2	88.2	97.4	99.7	99.9
37.5°	1210.9	945.6	235.0	71.1	68.6	68.6	72.0	80.5	91.3	98.4	99.3
40°	1289.5	963.7	164.8	67.2	64.7	64.7	67.6	73.8	84.0	94.7	97.0
42.5°	1362.1	970.0	114.7	63.4	60.9	61.5	64.0	69.0	76.7	87.4	89.5
45°	1436.7	969.0	83.6	59.0	57.1	59.0	60.9	64.7	70.3	76.3	76.7
47.5°	1493.1	960.2	66.3	54.9	53.6	56.1	57.8	60.3	63.4	63.0	63.0
50°	1545.8	938.9	53.4	49.2	50.1	53.0	53.8	54.6	54.9	50.9	50.5
52.5°	1585.9	905.8	42.8	43.2	46.5	49.4	48.6	47.3	45.3	40.5	39.6
55°	1599.2	841.9	33.6	35.7	41.3	45.0	41.9	39.2	35.2	31.3	30.4
57.5°	1575.0	759.6	27.3	27.7	34.8	38.0	34.4	31.3	26.9	23.6	22.9
60°	1523.7	668.0	22.5	20.9	26.9	29.6	27.3	24.2	20.2	17.7	17.5
62.5°	1421.9	570.4	18.6	16.3	20.4	22.7	21.3	19.0	15.6	14.0	13.8
65°	1208.0	456.3	15.0	13.1	15.9	17.7	16.5	14.8	12.3	11.1	10.8
67.5°	843.2	308.5	12.3	10.8	12.5	14.0	12.9	12.1	9.8	9.6	9.8
70°	406.7	148.7	10.2	8.8	9.8	10.8	10.4	9.8	9.4	10.8	12.5
72.5°	116.6	49.8	8.1	7.3	7.9	8.6	9.0	8.8	10.2	13.1	15.2
73°	*89.7*	*40.3*	*7.7*	*6.9*	*7.5*	*8.3*	*8.8*	*8.6*	*10.4*	*13.3*	*15.2*
75°	38.4	19.4	5.8	5.6	6.3	7.3	7.7	7.7	10.4	13.6	14.6
77.5°	17.3	10.4	3.8	4.4	5.4	5.8	6.5	6.5	8.3	10.4	10.4
80°	9.8	5.6	2.9	3.3	4.0	4.0	4.0	3.5	3.8	4.2	4.6
82.5°	6.3	3.8	2.3	2.7	2.5	2.1	1.7	1.7	1.5	1.7	2.1
85°	3.5	2.1	2.1	1.7	1.0	0.8	1.0	0.8	0.2	0.0	0.2
87.5°	2.1	1.3	0.6	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

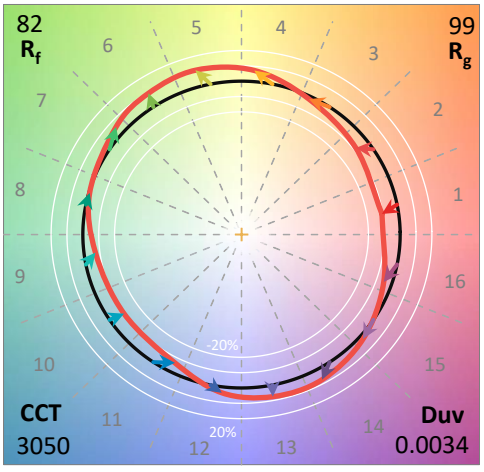
Test Information

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

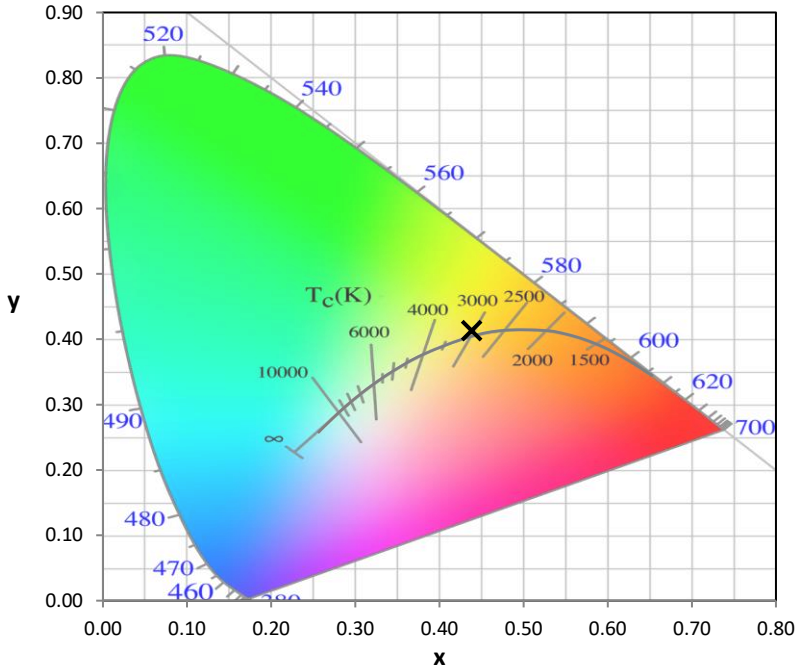
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

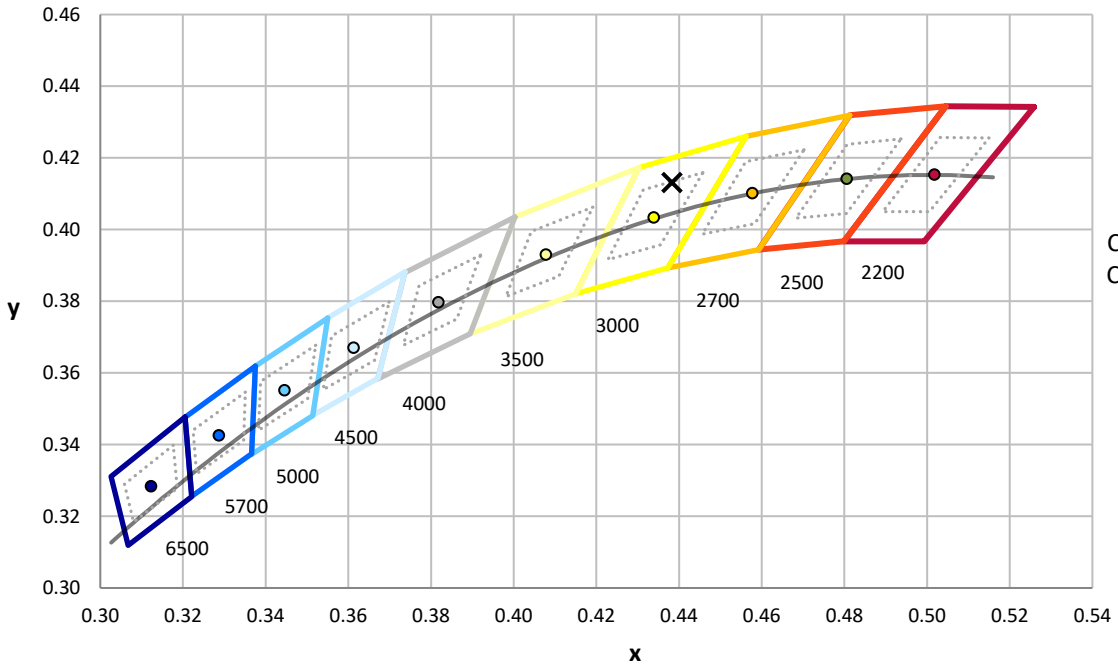
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

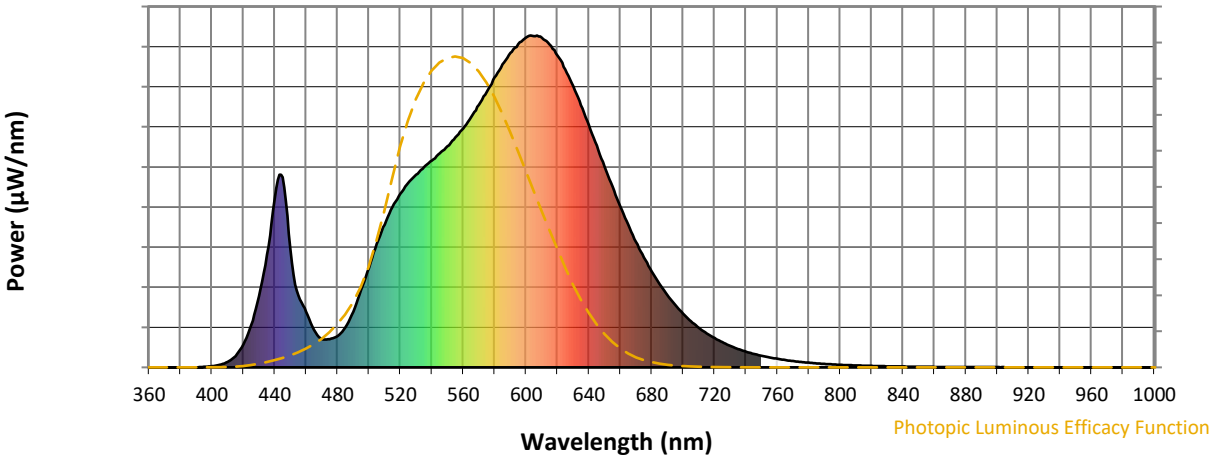


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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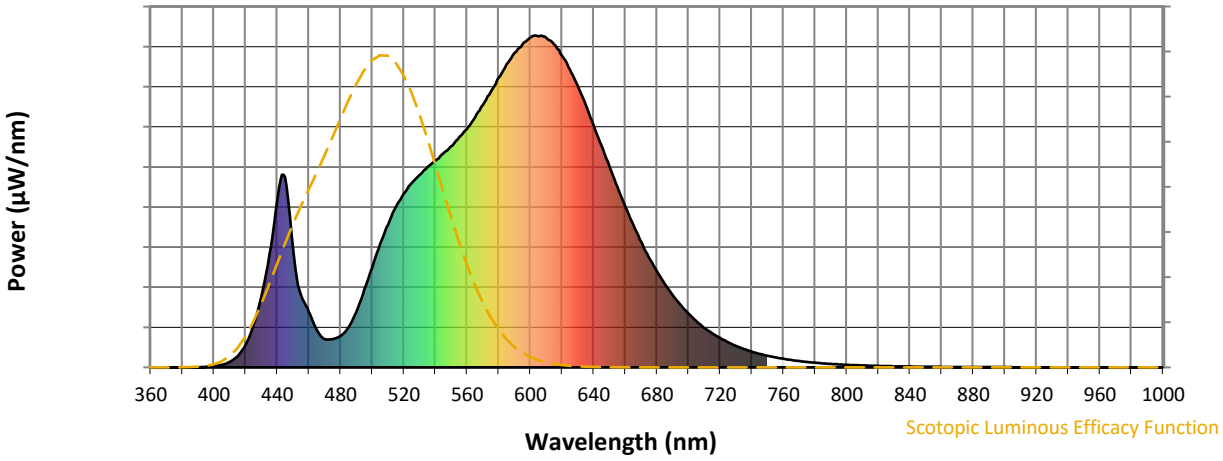
Scotopic Flux vs. Wavelength



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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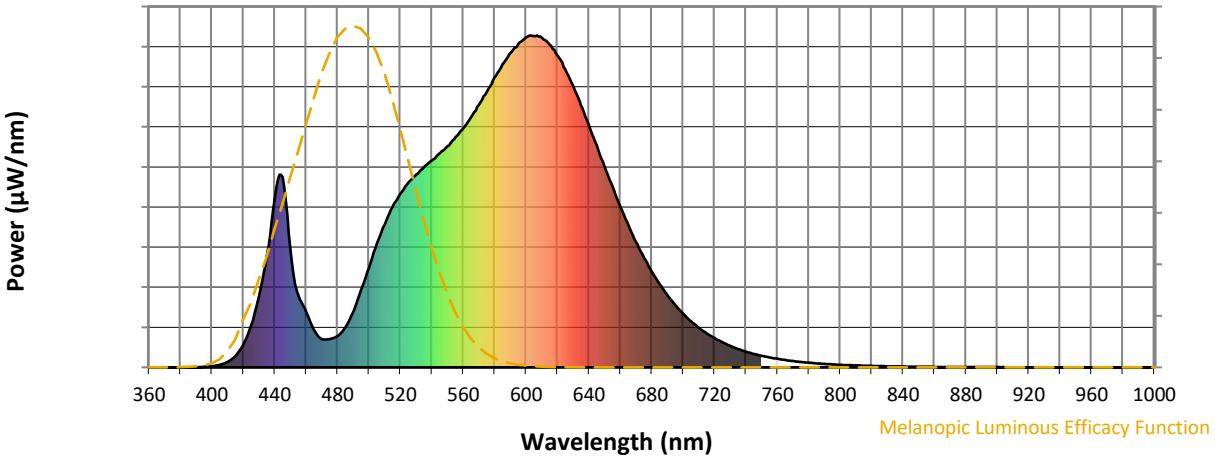
Melanopic Flux vs. Wavelength



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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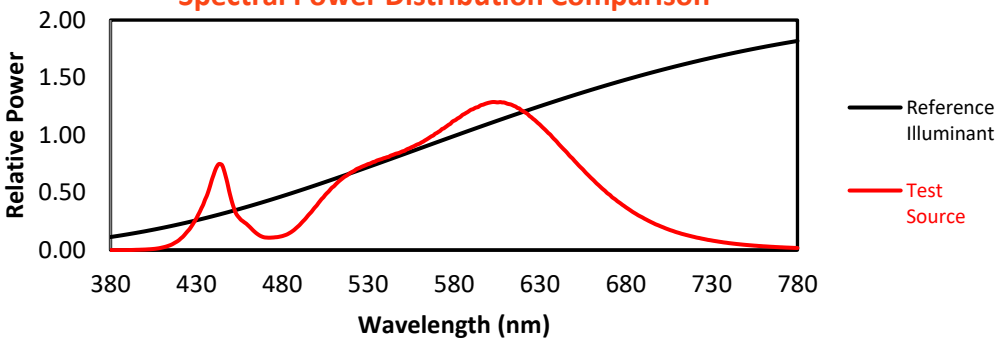
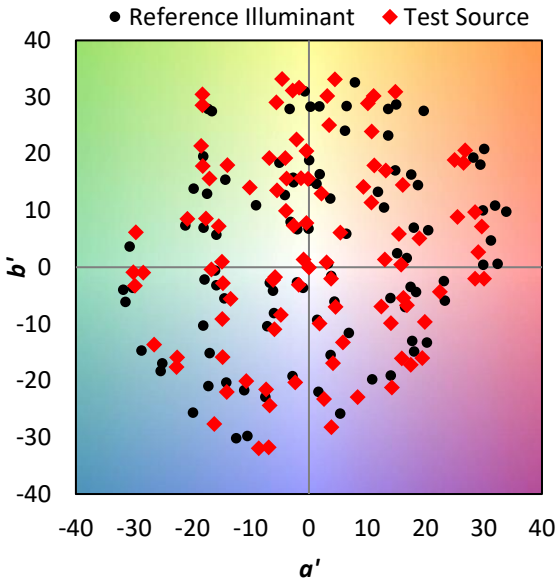
Summary

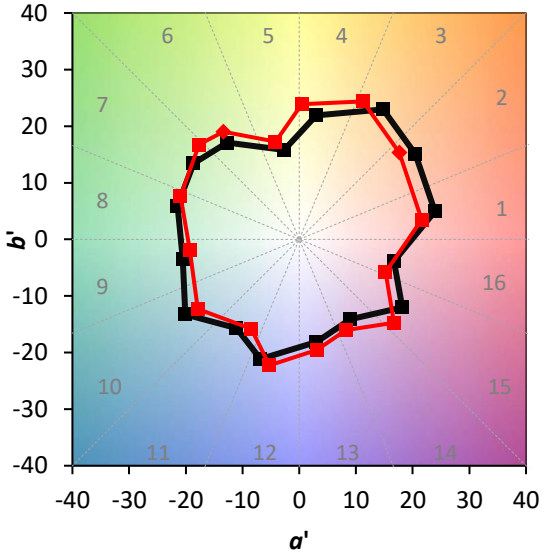
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

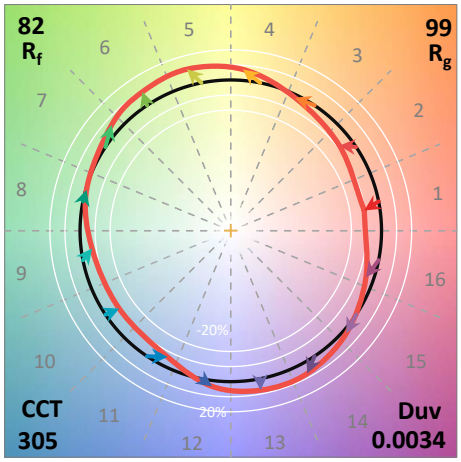
Spectral Power Distribution Comparison

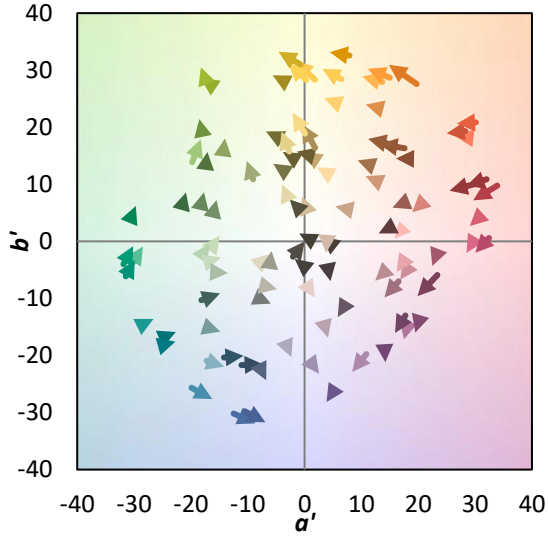


Color Vector Graphics









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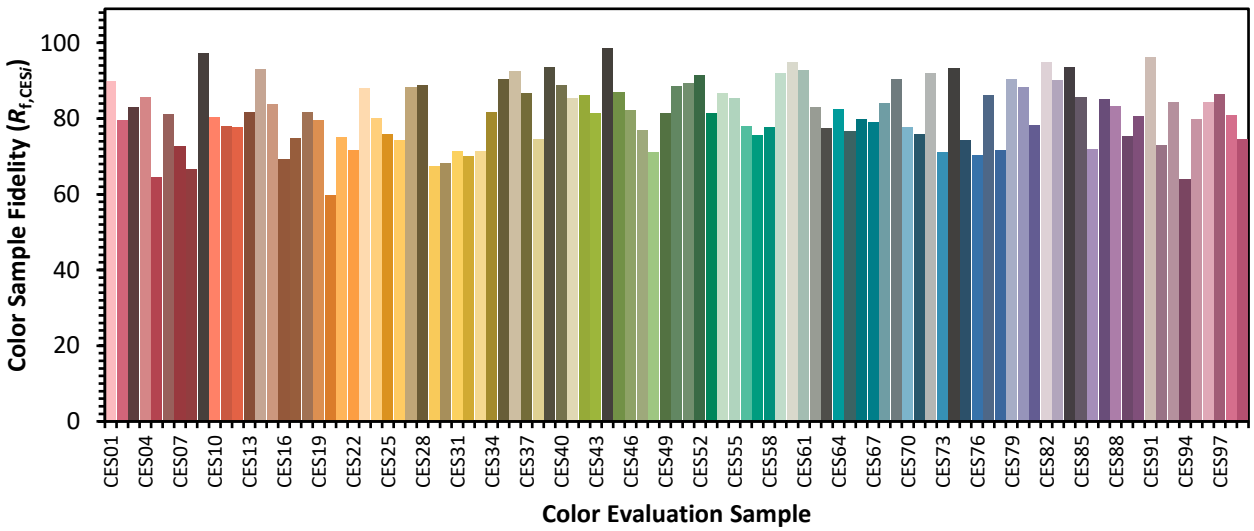
Individual Sample Fidelity Index ($R_{f,i}$)

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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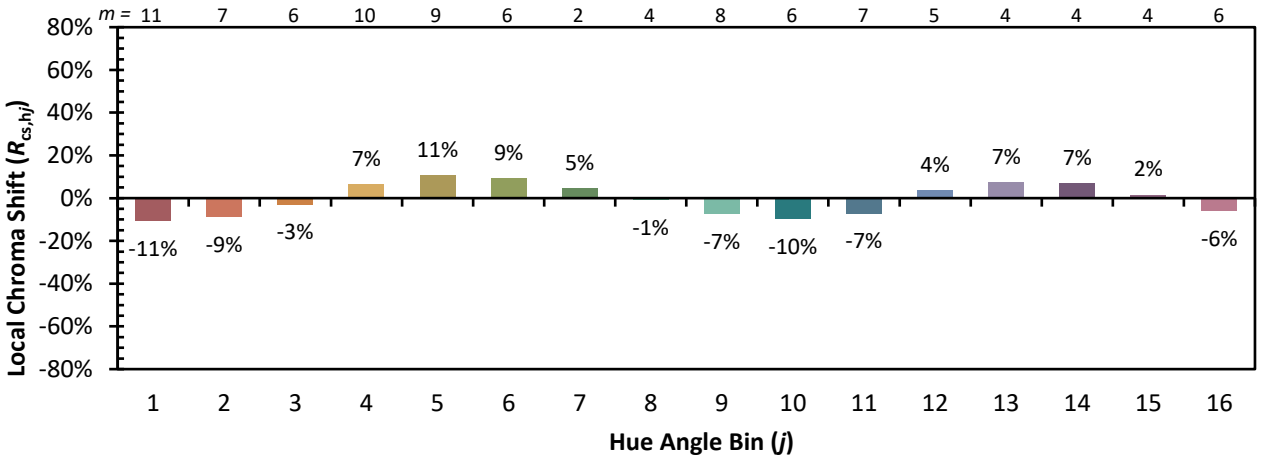
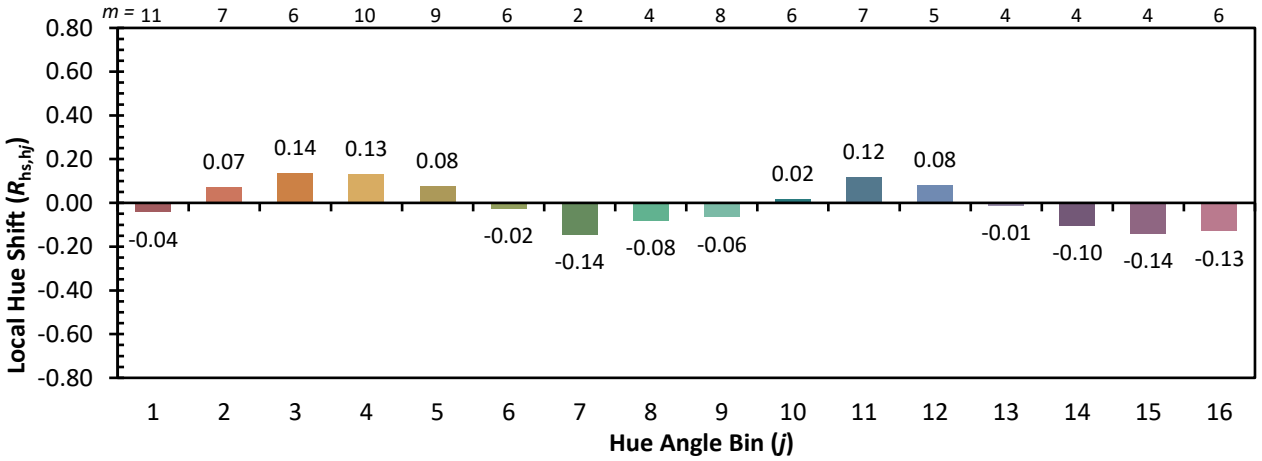
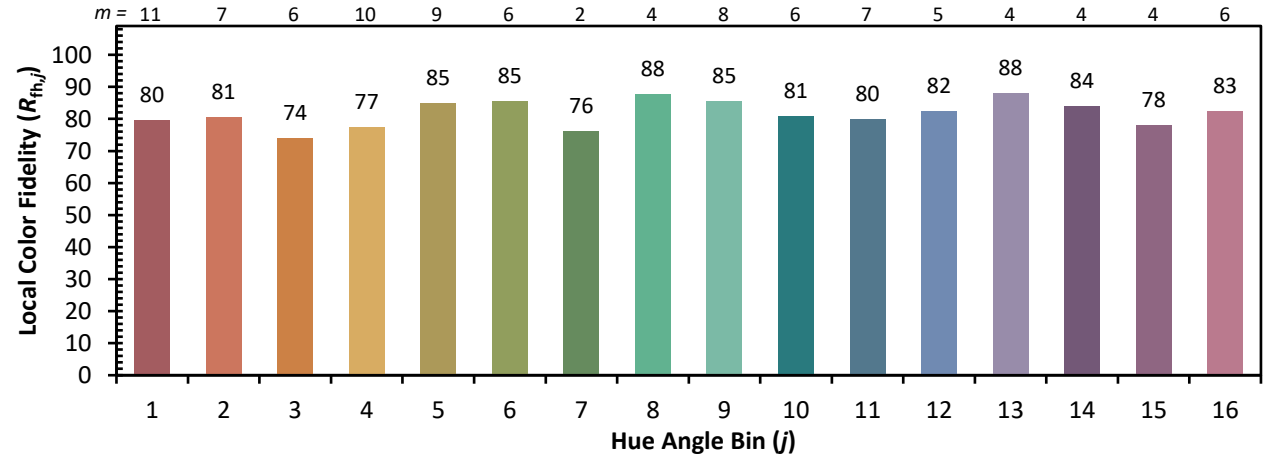
Color Rendition by Hue-Angle Bin







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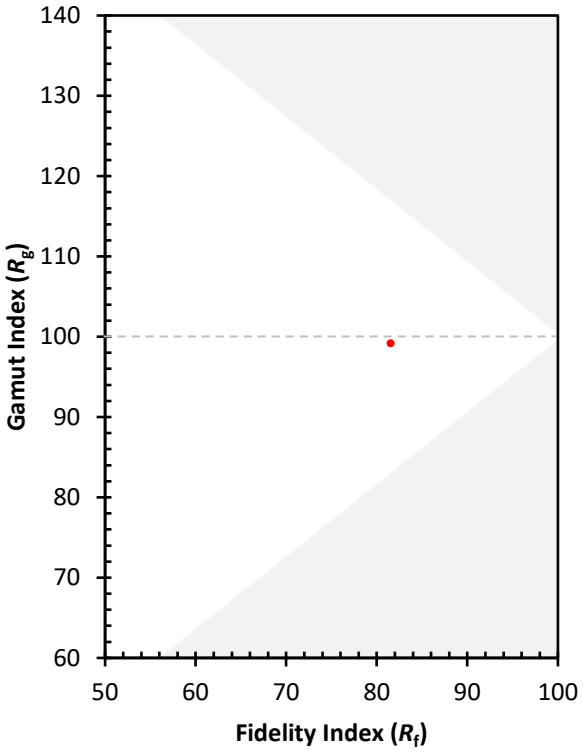
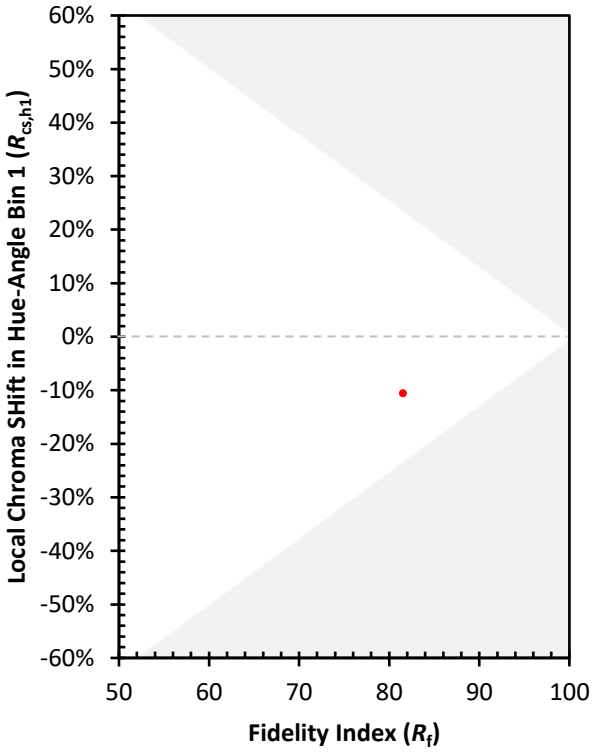
Measure Comparisons





(END OF REPORT)