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: P386282

Luminaire Tested: **GPC-SA1D-830-U-T2-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:	P386282
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1D-830-U-T2-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4684 lumens
Efficiency:	N/A
Efficacy:	71.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	66
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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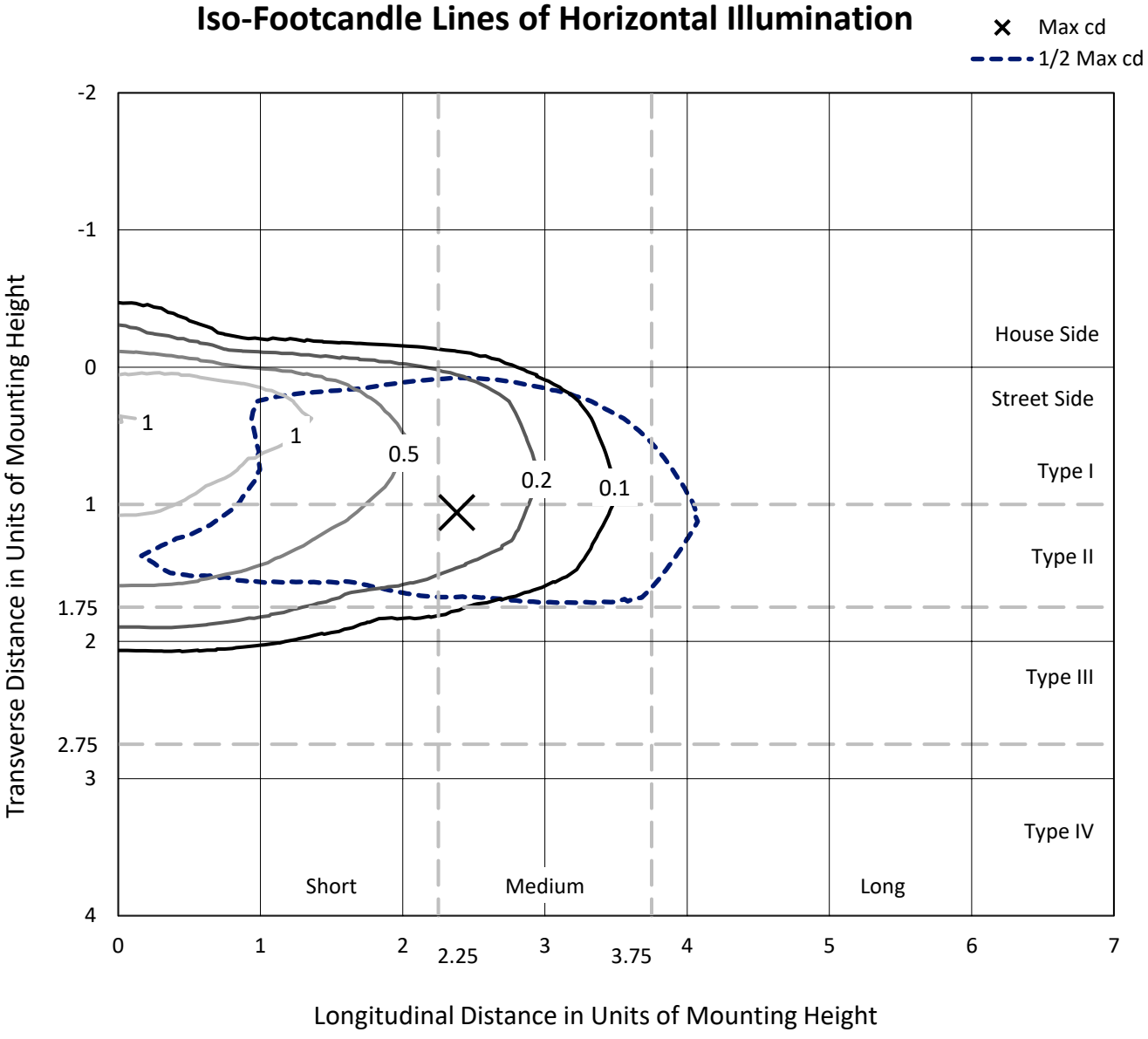
REPORT NUMBER: P386282
CATALOG NUMBER: GPC-SA1D-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Medium - N/A

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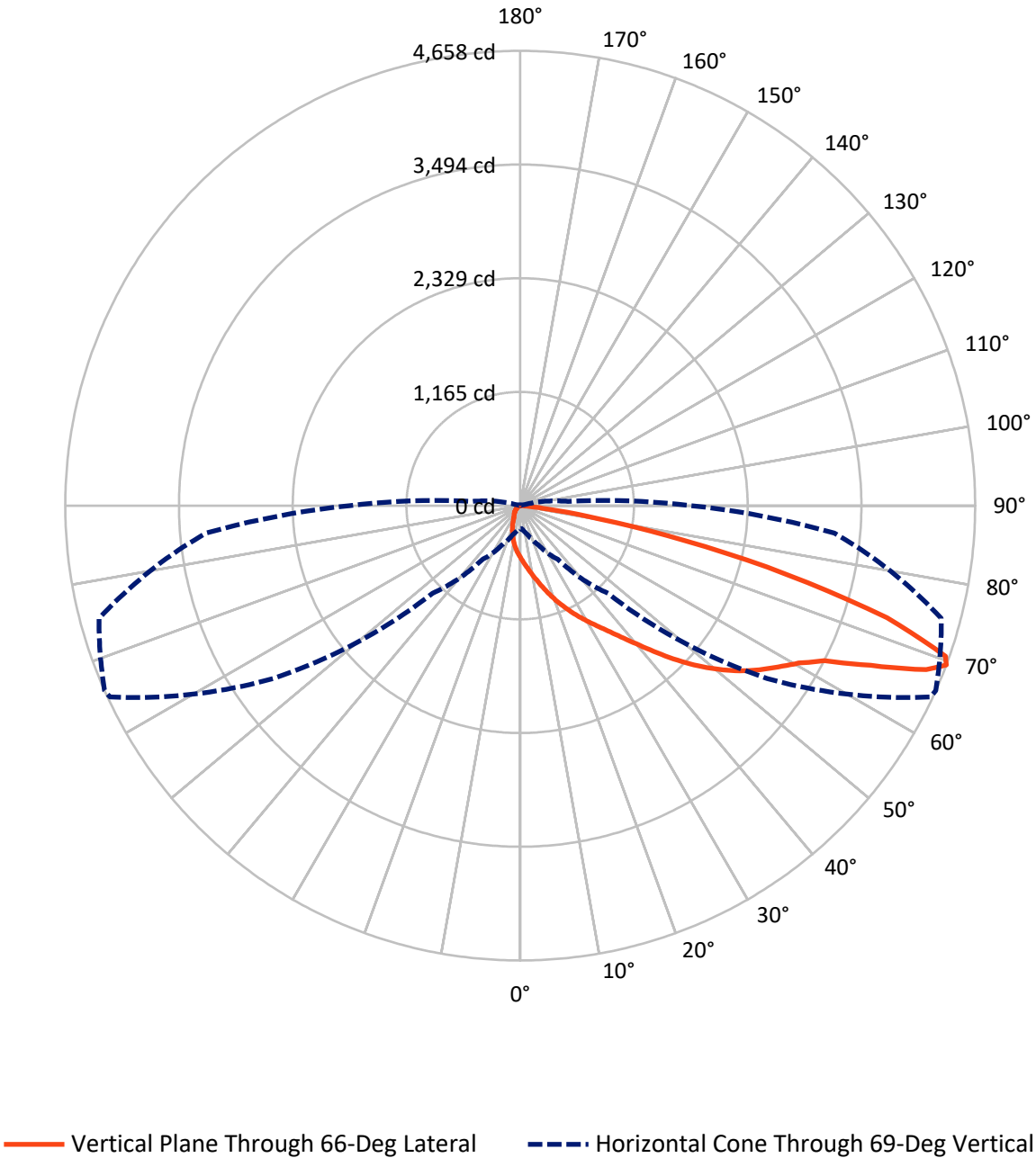
Luminous Intensity Polar Plot



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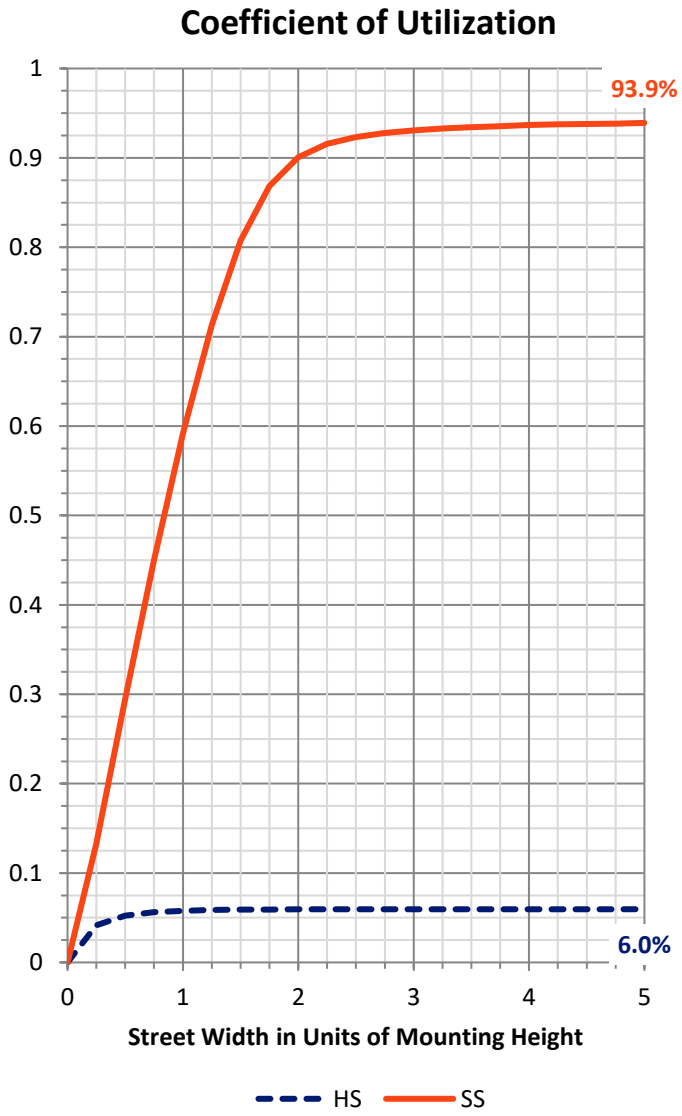
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	281.0	0.0	281.0
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	4403.0	0.0	4403.0
	% Fixture	94.0	0.0	94.0
Total	Lumens	4684.0	0.0	4684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	1.1
10°-20°	153.4	3.3
20°-30°	267.0	5.7
30°-40°	468.5	10.0
40°-50°	784.2	16.7
50°-60°	1152.8	24.6
60°-70°	1183.6	25.3
70°-80°	584.3	12.5
80°-90°	38.6	0.8
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°	4684.0	100.0
0°-180°	4684.0	100.0



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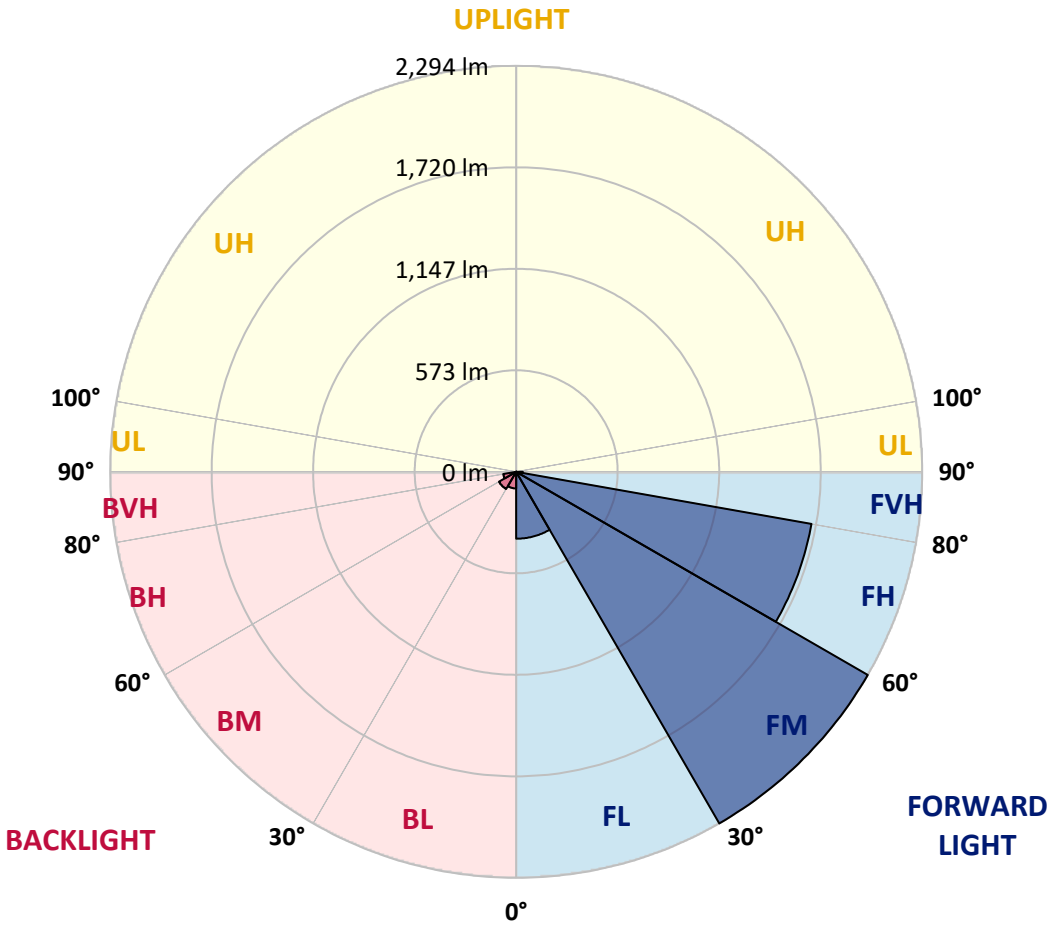
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	378.0	8.1			
FM	(30°-60°)	2293.5	49.0			
FH	(60°-80°)	1693.9	36.2			G1/1800
FVH	(80°-90°)	37.7	0.8			G1/100
BL	(0°-30°)	94.0	2.0	B0/110		
BM	(30°-60°)	112.0	2.4	B0/220		
BH	(60°-80°)	74.0	1.6	B0/110		G0/110
BVH	(80°-90°)	0.9	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 II Medium



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Scaled Data Report

REPORT NUMBER: P386282
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1	*533.1*	533.1	533.1
2.5°	627.4	624.7	623.6	618.7	610.3	603.8	591.3	576.9	*574.2*	560.2	543.1
5°	708.8	706.6	705.0	698.1	689.5	673.2	650.5	623.6	*618.5*	591.8	557.5
7.5°	765.5	769.5	769.5	765.1	754.2	742.0	714.2	677.4	*671.0*	630.1	576.9
10°	798.7	803.6	807.4	811.2	809.6	804.7	778.4	737.1	*729.3*	675.0	599.4
12.5°	801.8	806.7	817.4	833.2	848.5	859.7	843.2	803.1	*794.2*	727.1	626.0
15°	784.5	789.6	806.0	836.7	873.9	906.4	911.7	876.3	*867.2*	789.1	659.4
17.5°	754.2	757.5	781.1	823.6	881.9	941.5	973.8	954.9	*946.4*	860.1	696.6
20°	731.7	734.2	754.9	800.5	877.0	963.5	1032.5	1038.3	*1029.4*	936.2	736.8
22.5°	770.2	774.7	775.3	796.9	863.7	974.4	1084.1	1120.4	*1113.7*	1016.9	776.4
25°	875.4	880.6	863.7	850.3	875.0	979.3	1128.4	1204.5	*1199.1*	1103.9	816.3
27.5°	1014.5	1019.8	998.0	958.2	934.4	997.8	1167.8	1289.9	*1289.7*	1196.0	859.2
30°	1151.1	1156.4	1134.2	1094.4	1039.6	1050.1	1201.8	1379.4	*1380.7*	1291.0	904.8
32.5°	1294.4	1301.0	1278.1	1227.0	1169.8	1140.4	1249.7	1469.2	*1476.8*	1401.2	956.2
35°	1457.2	1458.1	1425.9	1372.2	1306.4	1261.2	1326.4	1570.0	*1588.0*	1537.5	1021.4
37.5°	1617.0	1623.4	1596.9	1512.4	1451.9	1400.7	1440.5	1695.9	*1721.5*	1704.2	1106.6
40°	1735.3	1748.9	1745.1	1653.9	1596.5	1560.0	1582.3	1845.7	*1878.1*	1898.2	1214.1
42.5°	1809.6	1819.9	1837.2	1782.3	1730.2	1736.2	1749.6	2020.1	*2060.1*	2119.3	1337.5
45°	1894.8	1899.7	1914.2	1889.9	1854.8	1915.3	1927.1	2216.5	*2258.6*	2357.1	1474.6
47.5°	1999.0	2010.5	2014.5	1992.3	1976.3	2073.7	2098.2	2395.2	*2454.1*	2611.9	1619.6
50°	2131.5	2134.7	2141.6	2127.1	2111.1	2209.9	2251.7	2582.7	*2636.3*	2867.5	1762.7
52.5°	2261.3	2272.4	2296.4	2287.3	2280.8	2325.8	2388.5	2751.8	*2811.7*	3080.6	1905.5
55°	2298.6	2308.2	2391.2	2447.9	2500.4	2468.6	2519.3	2903.3	*2968.1*	3271.1	2043.0
57.5°	2149.3	2168.7	2312.4	2460.1	2678.0	2690.6	2699.1	3058.8	*3116.9*	3417.0	2186.1
60°	1772.0	1775.8	2011.6	2265.0	2648.6	2884.4	2961.6	3225.9	*3274.6*	3553.0	2357.4
62.5°	1127.1	1165.6	1424.3	1782.0	2338.0	2856.4	3279.1	3478.6	*3496.4*	3716.0	2603.0
65°	536.8	561.8	748.2	1101.0	1693.5	2497.5	3498.2	3935.8	*3943.8*	4039.3	2931.1
67.5°	297.2	309.2	398.0	592.7	990.0	1766.2	3409.7	4477.3	*4484.9*	4369.4	3219.0
69°	*232.5*	*242.7*	*312.6*	*446.7*	*671.2*	*1269.5*	*3085.5*	*4636.0*	*4658.4*	*4464.0*	*3229.2*
70°	197.3	207.3	269.2	377.3	539.7	980.9	2746.5	4596.6	*4620.4*	4455.1	3152.9
72.5°	120.8	126.6	179.3	265.6	361.7	493.5	1693.7	3887.3	*3927.6*	4086.7	2709.8
75°	81.4	84.5	112.1	183.3	258.7	254.1	879.9	2740.0	*2827.2*	3179.0	2001.4
77.5°	58.3	61.2	75.2	118.6	181.3	167.7	398.5	1702.8	*1721.5*	1906.6	1091.5
80°	33.1	35.8	53.2	70.5	123.0	111.9	158.4	813.4	*822.7*	817.6	364.4
82.5°	17.4	19.6	29.1	46.5	79.0	73.2	65.9	272.3	*273.6*	227.6	79.9
85°	3.3	4.0	14.5	31.8	40.7	31.8	26.9	63.9	*65.2*	57.6	19.8
87.5°	0.0	0.2	5.8	7.1	8.0	8.2	8.7	12.5	*13.3*	18.0	5.3
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: P386282
CATALOG NUMBER: GPC-SA1D-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1
2.5°	535.5	527.5	512.1	494.3	480.5	467.0	456.3	445.2	441.2	439.2	438.9
5°	540.8	523.9	491.5	458.1	430.7	404.9	386.4	368.9	360.6	356.9	355.3
7.5°	549.7	522.6	470.3	419.4	380.0	347.7	322.1	303.0	293.4	289.4	287.9
10°	560.2	520.8	445.6	378.4	328.2	294.8	269.4	250.5	240.1	235.6	233.4
12.5°	572.4	517.7	417.1	337.1	283.9	250.5	219.8	196.4	184.4	179.3	176.9
15°	587.6	514.6	387.3	298.1	244.9	204.2	170.6	154.8	152.4	151.5	151.7
17.5°	602.5	509.7	354.9	259.6	204.0	159.5	142.4	141.5	141.9	141.9	141.9
20°	615.8	498.6	319.5	226.7	165.1	134.6	131.0	129.5	128.4	127.5	126.4
22.5°	626.3	483.7	285.4	194.0	134.8	123.3	117.7	112.8	108.8	106.1	104.8
25°	633.4	463.9	254.3	162.6	121.2	112.1	102.1	93.9	87.7	83.9	82.3
27.5°	638.7	442.5	226.5	136.2	111.9	99.2	86.1	76.3	69.9	66.5	65.2
30°	642.5	418.3	202.0	119.7	101.4	85.7	71.6	62.1	57.4	55.6	54.7
32.5°	646.1	391.3	178.9	111.9	91.7	73.2	60.1	52.7	49.8	47.6	46.9
35°	655.0	366.4	156.8	103.7	81.6	62.5	51.6	46.3	43.4	42.0	41.6
37.5°	676.1	348.0	135.7	95.2	71.6	54.1	45.2	41.4	38.7	37.4	36.9
40°	710.1	338.6	117.9	86.1	61.8	47.6	40.9	37.4	34.5	32.5	32.0
42.5°	760.2	339.9	105.5	77.0	54.1	42.5	36.9	32.7	29.6	27.8	27.4
45°	820.9	349.7	96.8	68.1	47.6	38.5	32.5	28.0	25.1	23.6	23.1
47.5°	886.8	365.5	89.7	60.1	42.5	34.7	28.0	23.4	20.9	19.6	19.4
50°	956.2	380.9	82.3	52.3	38.0	30.9	23.6	19.4	17.4	16.2	15.8
52.5°	1026.5	398.7	75.6	45.2	34.3	26.5	19.6	15.8	14.2	13.3	12.9
55°	1102.1	412.0	69.2	39.6	30.5	22.5	16.2	13.1	11.8	10.7	10.5
57.5°	1191.1	432.7	62.5	34.3	26.0	18.7	13.3	10.5	9.3	8.2	8.0
60°	1311.3	457.0	55.4	30.3	21.4	15.4	10.9	8.5	7.1	6.2	6.0
62.5°	1469.7	483.9	46.5	26.5	17.4	12.5	8.7	6.7	5.1	4.0	4.0
65°	1670.6	527.7	38.0	22.2	14.2	10.2	6.7	4.9	2.9	1.8	1.8
67.5°	1787.8	535.3	30.7	18.2	11.6	8.7	5.6	3.3	0.9	0.2	0.0
69°	*1750.2*	*491.5*	*26.0*	*15.6*	*10.0*	*8.2*	*5.1*	*2.4*	*0.4*	*0.0*	*0.0*
70°	1679.5	449.4	22.9	13.8	9.1	7.8	4.9	1.8	0.4	0.0	0.0
72.5°	1387.8	319.9	17.4	10.2	6.7	6.9	4.4	1.1	0.4	0.0	0.0
75°	1010.9	194.4	12.5	7.1	4.2	5.1	3.1	0.4	0.2	0.0	0.0
77.5°	562.4	91.7	7.8	4.0	2.7	3.1	1.6	0.0	0.0	0.0	0.0
80°	182.7	24.9	3.6	2.2	1.6	1.8	0.7	0.0	0.0	0.0	0.0
82.5°	33.8	7.1	2.0	1.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0
85°	7.3	2.9	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.9	0.2	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

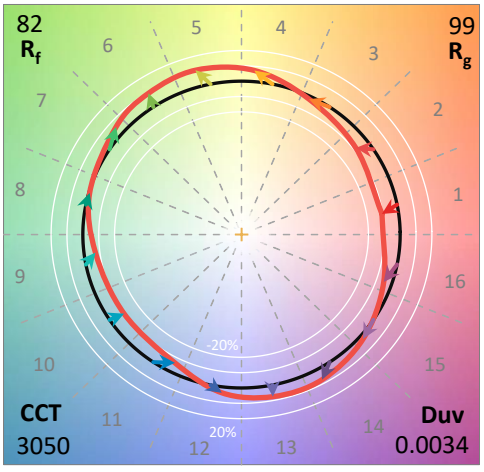
Test Information

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

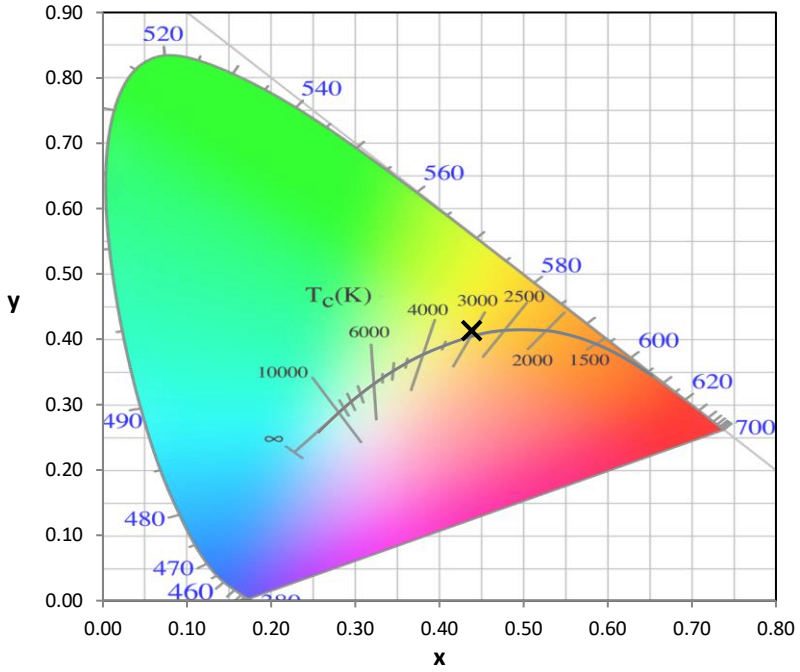
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

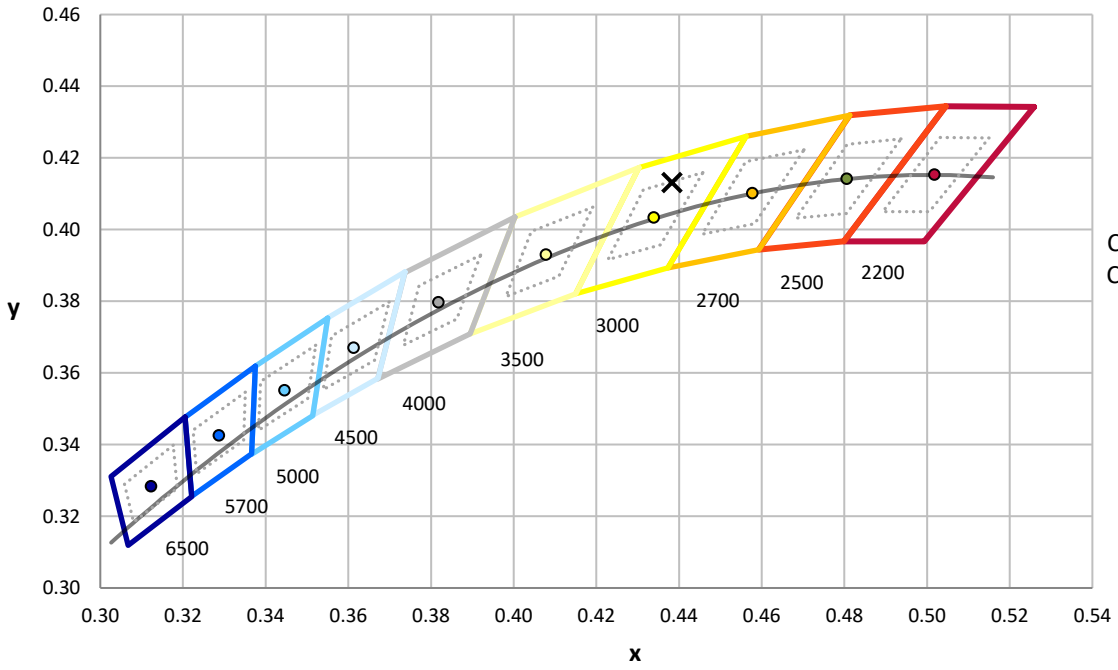
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

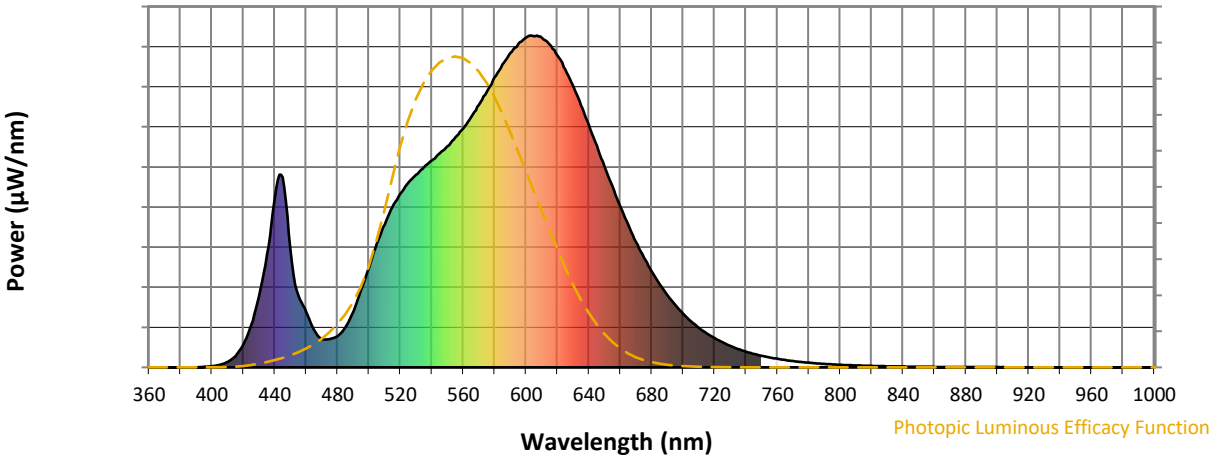


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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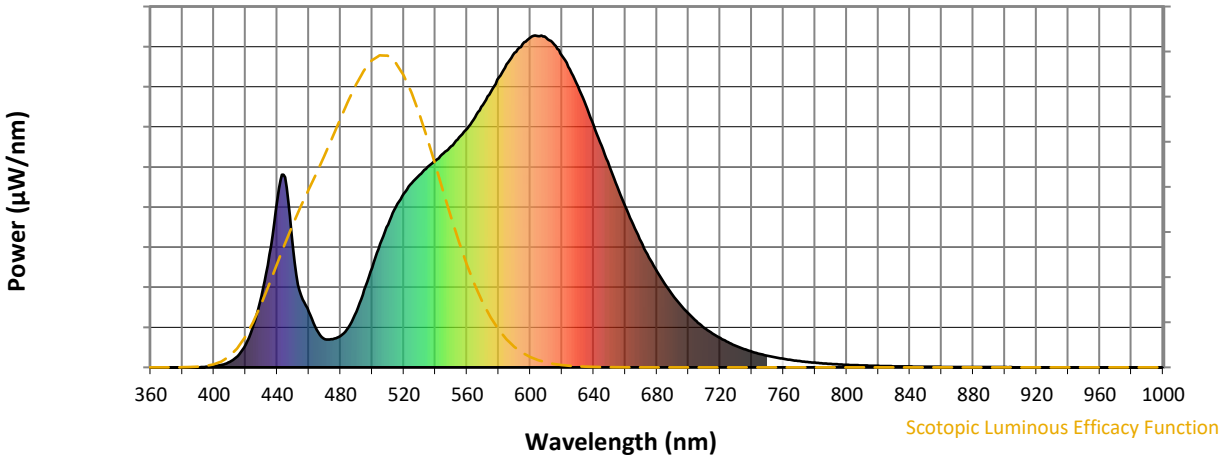
Scotopic Flux vs. Wavelength



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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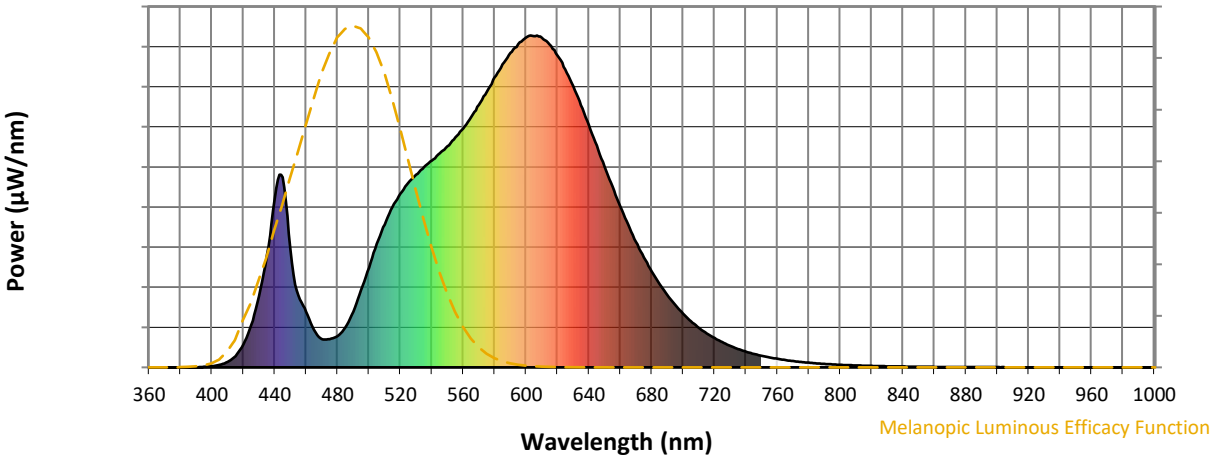
Melanopic Flux vs. Wavelength



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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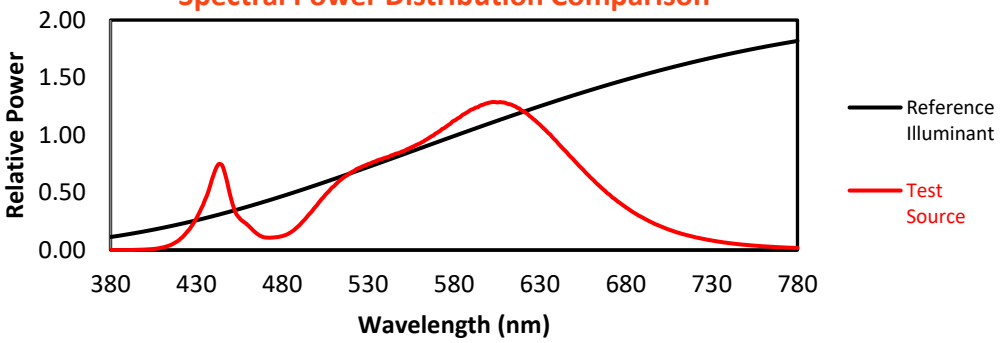
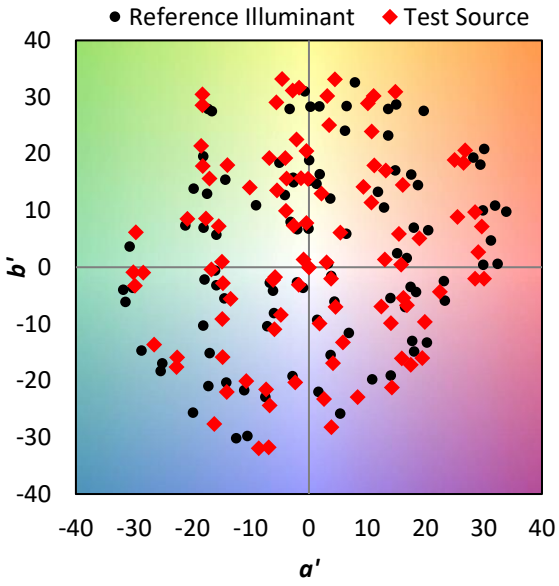
Summary

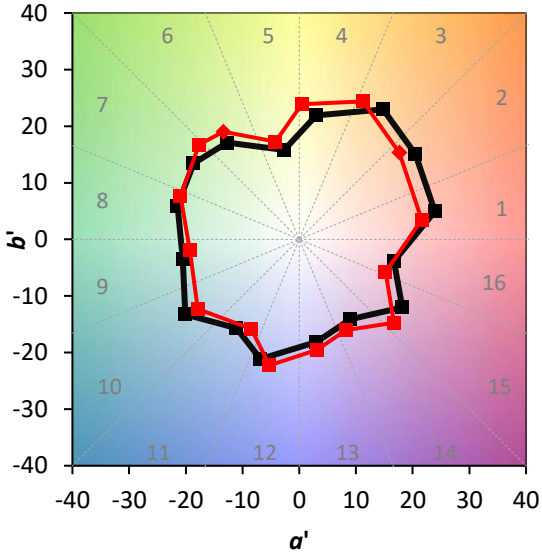
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

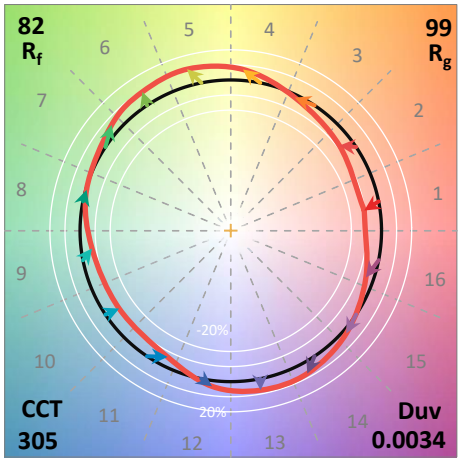
Spectral Power Distribution Comparison

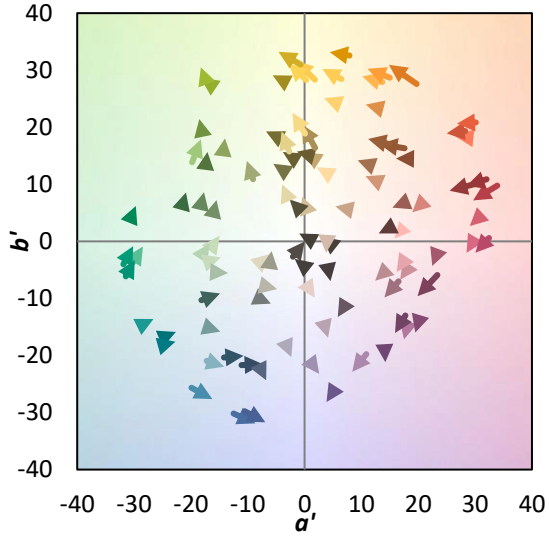


Color Vector Graphics









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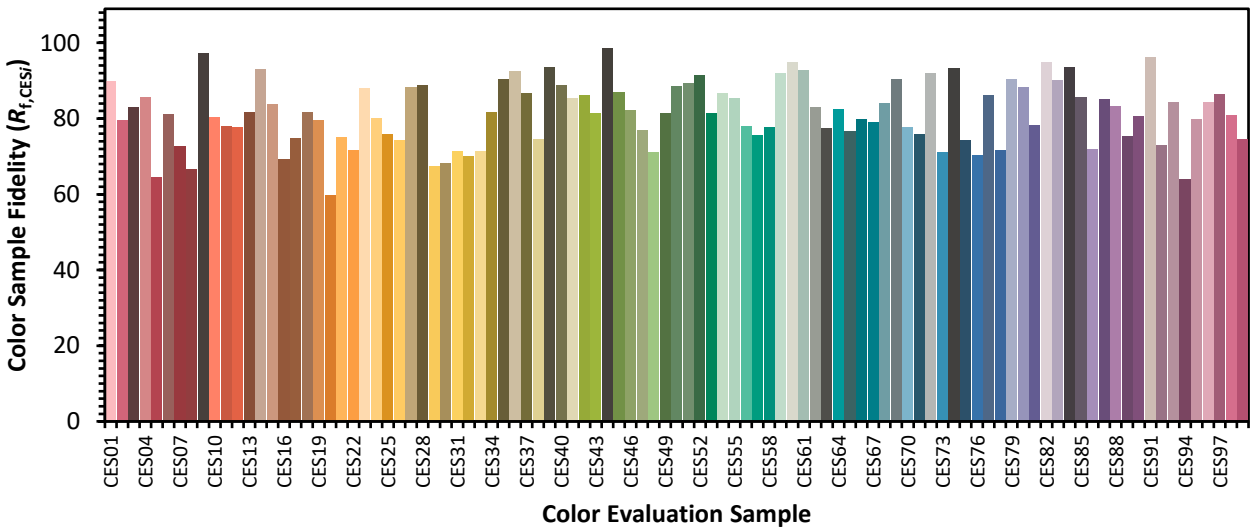
Individual Sample Fidelity Index ($R_{f,i}$)

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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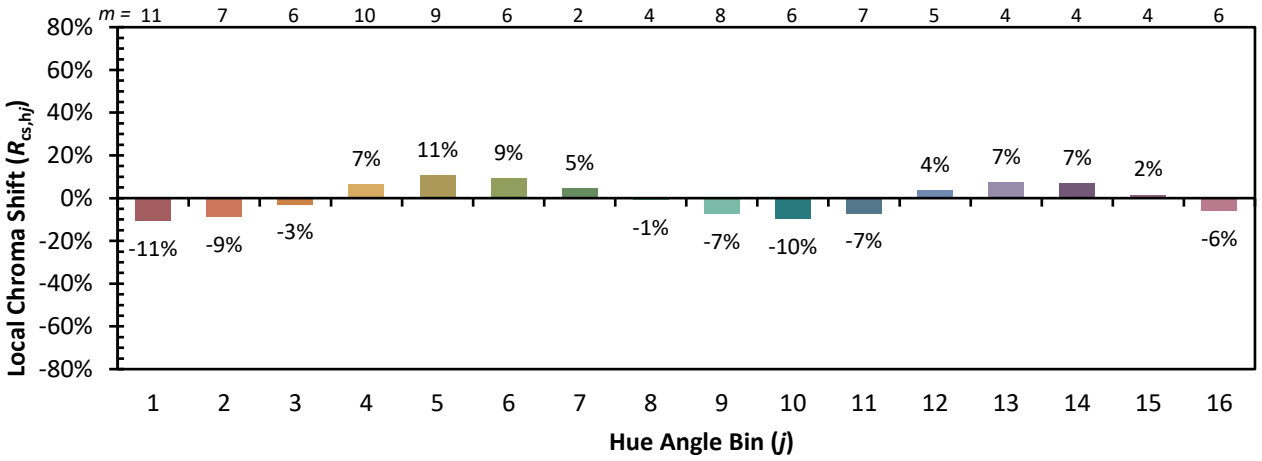
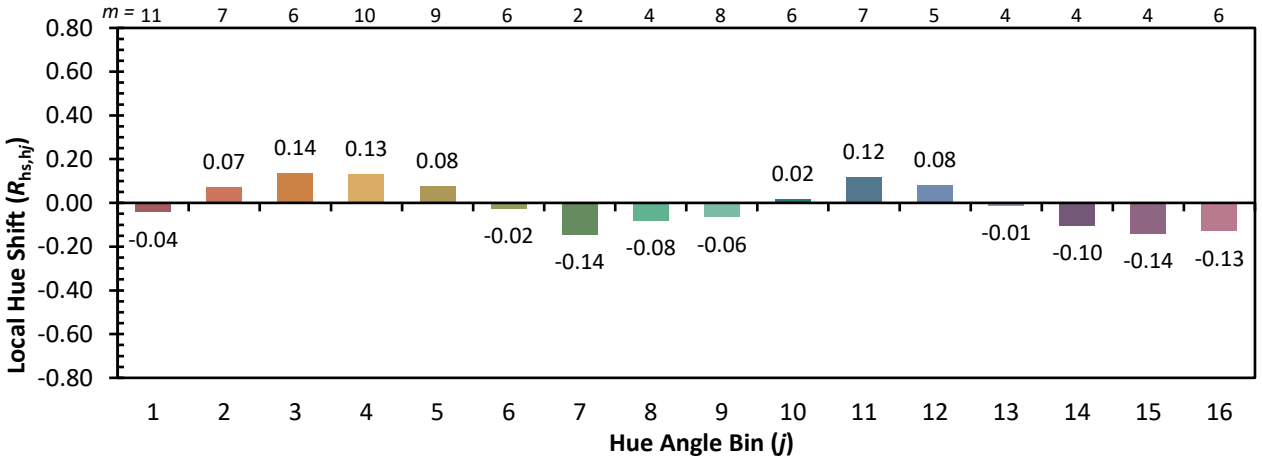
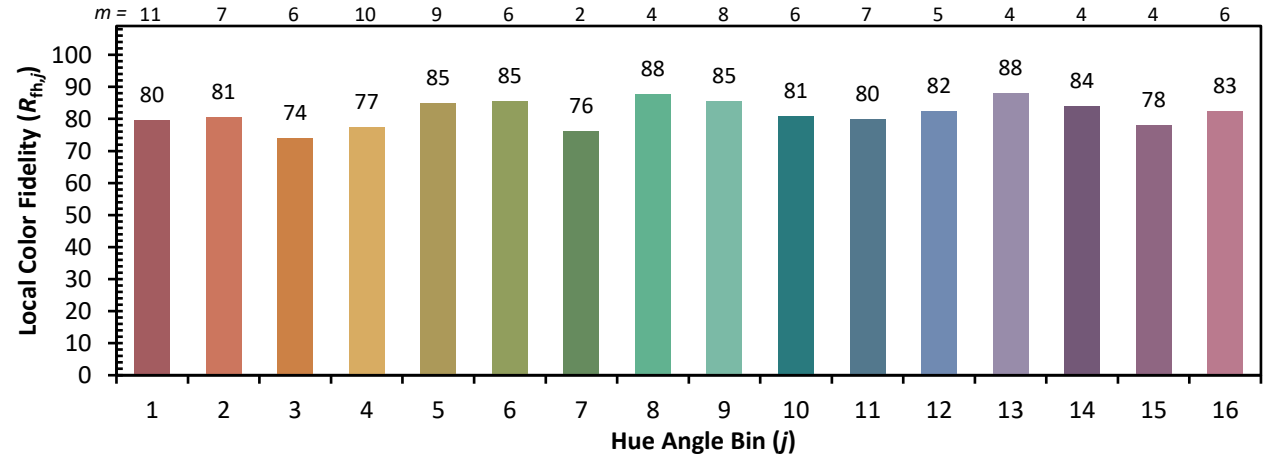
Color Rendition by Hue-Angle Bin







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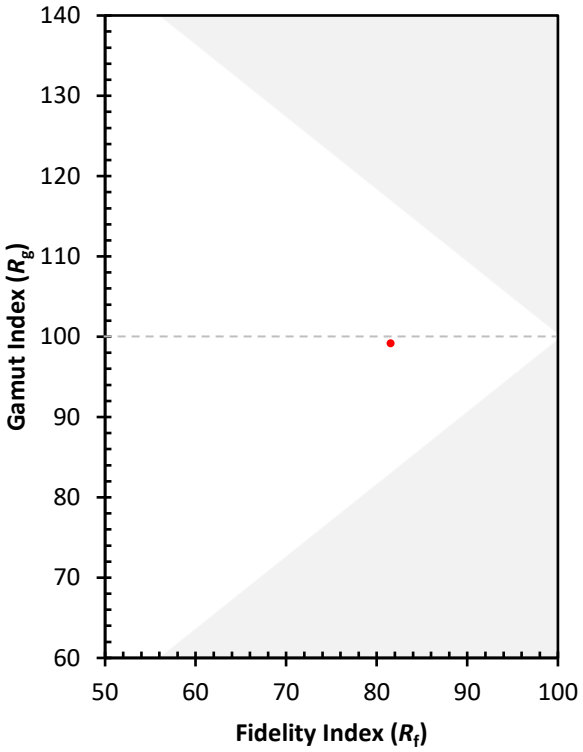
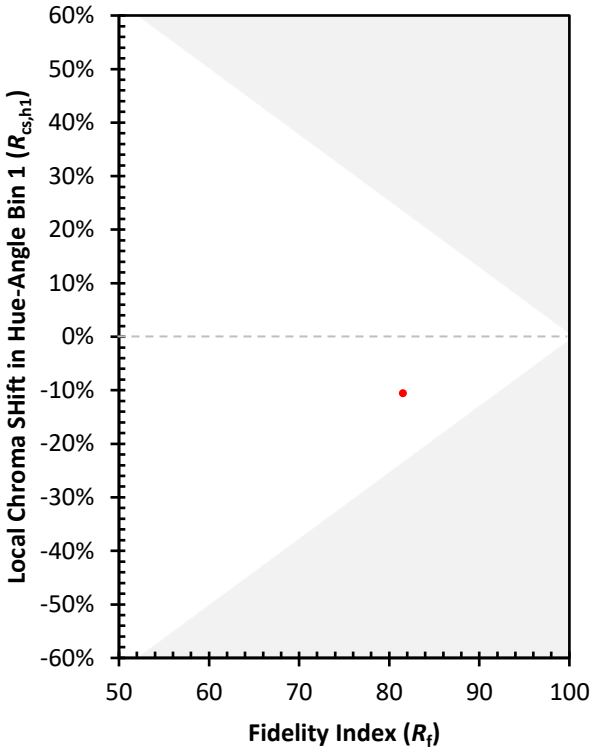
Measure Comparisons





(END OF REPORT)