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: P386286

Luminaire Tested: **GPC-SA1D-830-U-T3-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:	P386286
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
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-T3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4799 lumens
Efficiency:	N/A
Efficacy:	72.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

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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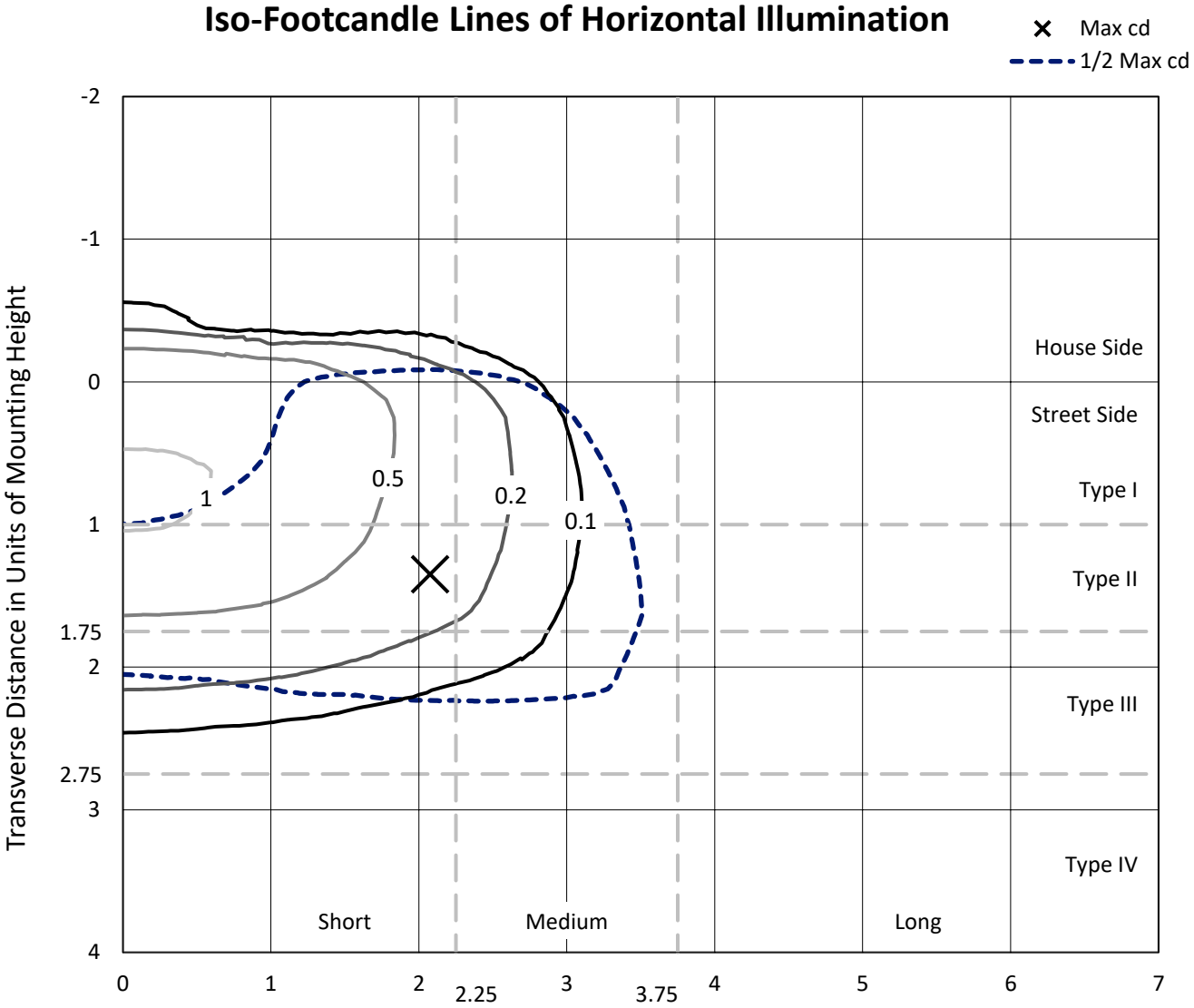
REPORT NUMBER: P386286
CATALOG NUMBER: GPC-SA1D-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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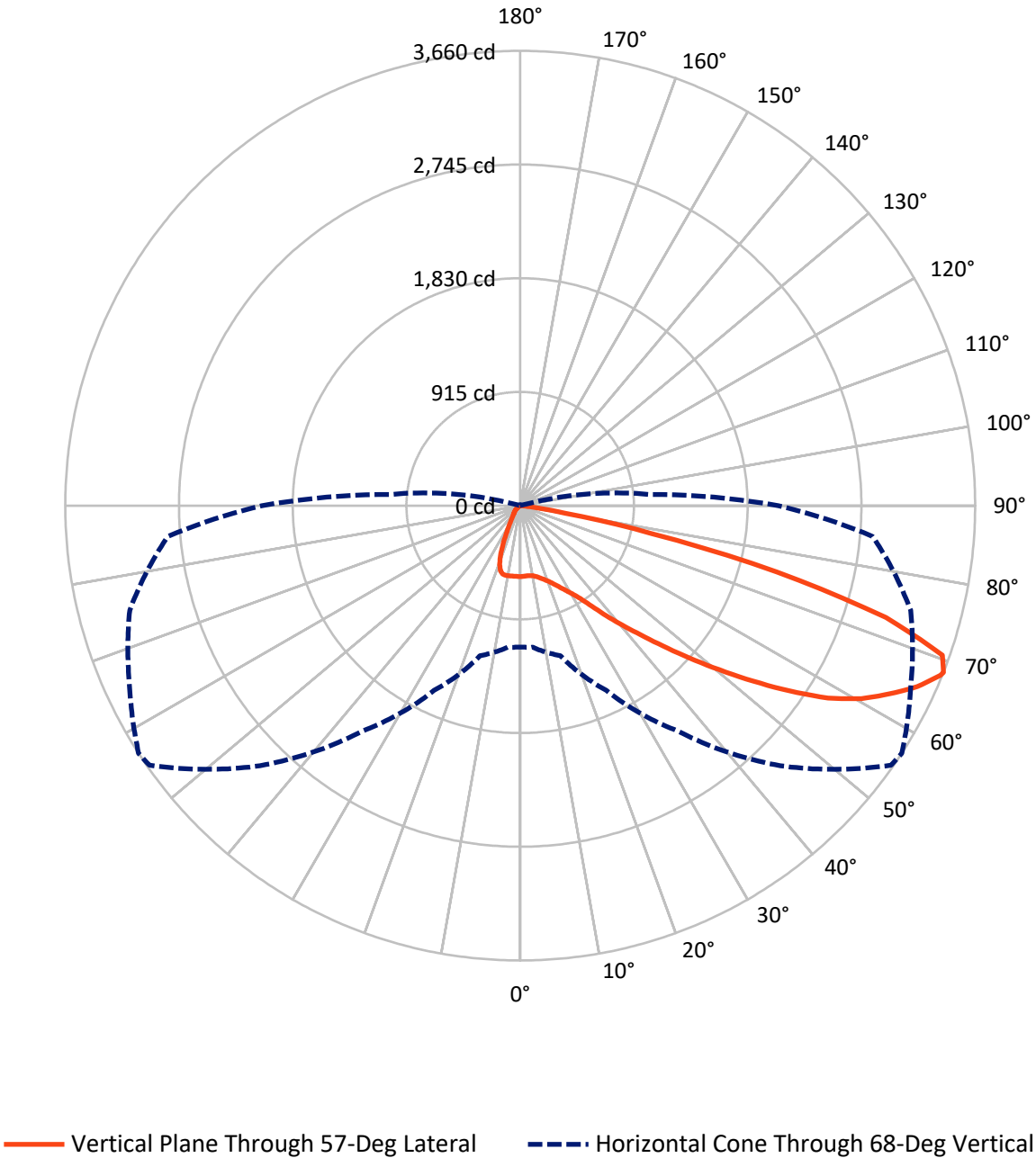
Luminous Intensity Polar Plot



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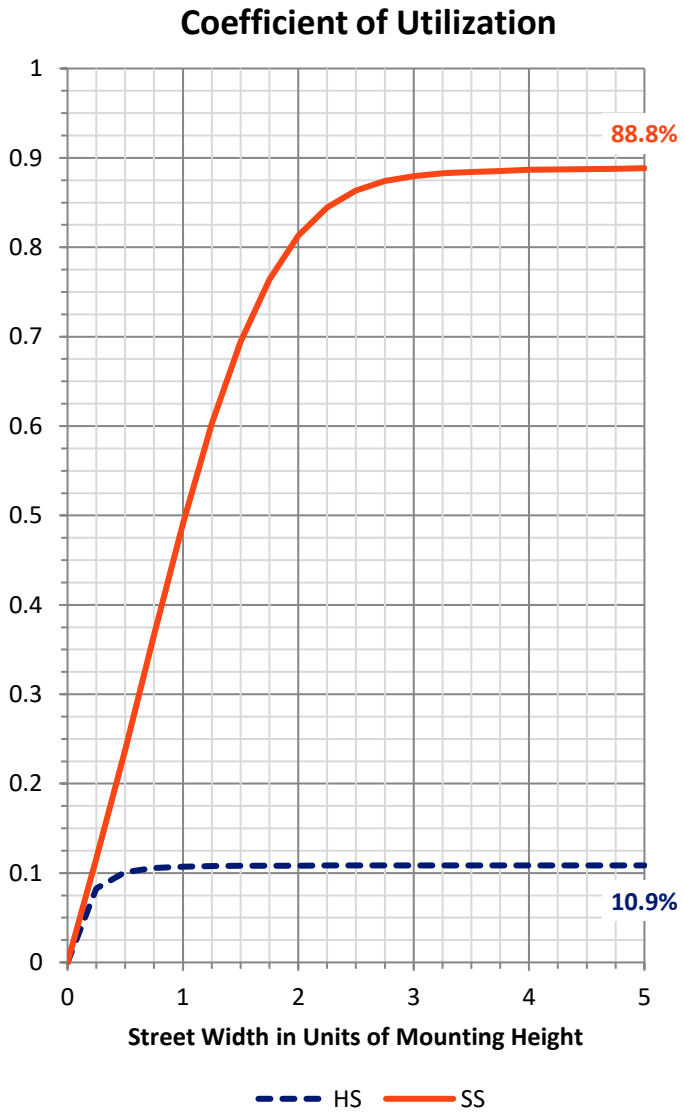
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	526.2	0.0	526.2
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	4272.8	0.0	4272.8
	% Fixture	89.0	0.0	89.0
Total	Lumens	4799.0	0.0	4799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.1
10°-20°	147.9	3.1
20°-30°	255.1	5.3
30°-40°	440.3	9.2
40°-50°	753.2	15.7
50°-60°	1205.0	25.1
60°-70°	1392.2	29.0
70°-80°	532.0	11.1
80°-90°	19.9	0.4
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°	4799.0	100.0
0°-180°	4799.0	100.0



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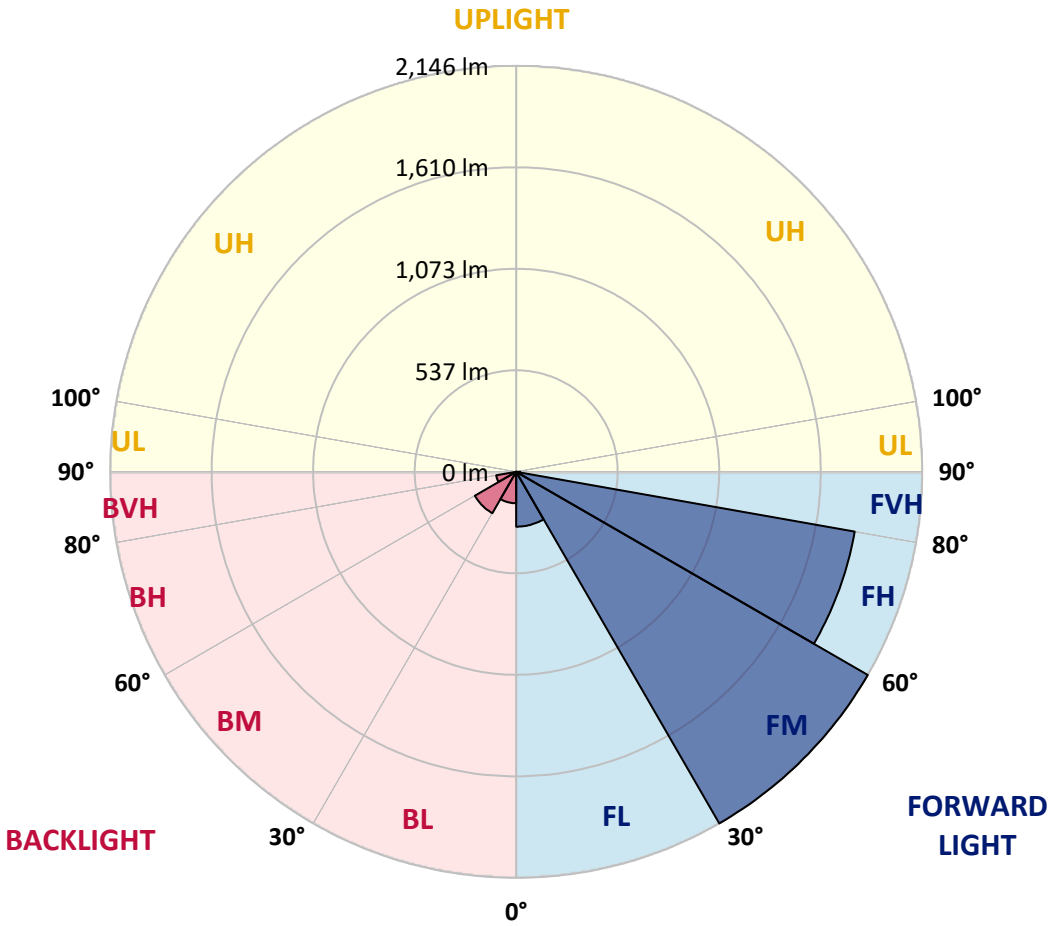
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	290.1	6.0			
FM	(30°-60°)	2146.1	44.7			
FH	(60°-80°)	1817.1	37.9			G2/5000
FVH	(80°-90°)	19.6	0.4			G1/100
BL	(0°-30°)	166.3	3.5	B1/500		
BM	(30°-60°)	252.4	5.3	B1/1000		
BH	(60°-80°)	107.2	2.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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 III Short



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Scaled Data Report

REPORT NUMBER: P386286
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	*570.2*	570.2	570.2	570.2
2.5°	556.9	559.4	561.2	562.3	563.7	566.6	567.5	*568.9*	569.6	569.6	571.2
5°	534.8	537.6	541.4	544.6	551.0	559.1	565.0	*567.3*	571.4	575.0	577.1
7.5°	514.4	517.6	522.1	529.6	540.5	553.7	565.9	*569.1*	577.1	584.8	588.6
10°	501.3	503.8	509.7	520.3	534.6	553.0	570.2	*574.1*	587.7	600.7	607.9
12.5°	496.7	499.0	505.1	517.1	534.8	556.4	580.2	*585.9*	605.9	624.7	634.9
15°	503.3	503.8	510.3	521.7	539.2	564.8	596.8	*603.6*	628.8	653.3	666.0
17.5°	528.7	526.7	530.1	535.1	548.9	575.9	614.3	*624.5*	658.1	686.9	698.9
20°	592.3	592.3	584.5	570.9	571.2	593.2	637.9	*649.4*	690.5	723.9	734.8
22.5°	701.0	698.9	683.5	650.1	619.5	622.9	666.7	*681.7*	729.5	765.2	768.8
25°	831.7	829.2	805.3	758.4	705.3	671.0	705.7	*723.0*	776.1	807.6	800.1
27.5°	970.1	968.0	944.4	886.1	810.6	747.7	752.2	*768.6*	823.5	854.6	830.8
30°	1104.2	1104.9	1081.5	1021.6	936.0	845.5	811.2	*820.8*	869.6	901.1	867.1
32.5°	1231.7	1232.6	1212.4	1145.5	1065.6	959.2	892.9	*890.4*	923.1	954.2	915.2
35°	1345.4	1347.7	1333.8	1281.9	1197.2	1085.8	998.9	*993.0*	999.1	1034.3	988.9
37.5°	1455.0	1456.4	1445.9	1402.1	1331.3	1224.9	1132.8	*1124.4*	1111.2	1138.2	1086.3
40°	1575.0	1571.6	1559.6	1519.9	1459.1	1378.5	1276.6	*1262.1*	1239.2	1263.3	1214.2
42.5°	1686.7	1682.8	1684.9	1639.9	1588.7	1536.5	1444.3	*1419.4*	1406.0	1433.7	1371.3
45°	1826.2	1824.2	1831.0	1792.0	1750.5	1712.6	1636.5	*1609.3*	1603.4	1635.9	1561.2
47.5°	1964.0	1969.0	1990.1	1973.5	1956.7	1923.4	1840.1	*1827.8*	1831.5	1870.7	1761.6
50°	2078.8	2084.7	2142.6	2161.6	2185.9	2166.4	2082.9	*2075.4*	2089.7	2125.1	1977.1
52.5°	2161.9	2173.9	2245.8	2333.6	2422.1	2435.3	2352.0	*2345.2*	2364.5	2369.9	2143.7
55°	2219.5	2230.2	2311.6	2472.3	2652.5	2709.2	2657.4	*2631.1*	2627.5	2573.7	2318.9
57.5°	2229.7	2228.6	2345.7	2561.9	2833.1	2979.4	2946.8	*2920.9*	2846.5	2762.1	2519.7
60°	2172.1	2178.7	2314.6	2593.0	2946.5	3183.9	3186.4	*3152.8*	3036.9	2945.2	2714.4
62.5°	1994.6	2021.4	2158.7	2511.5	2945.2	3266.3	3362.0	*3336.4*	3197.7	3095.2	2911.8
65°	1706.9	1716.4	1847.3	2232.4	2746.2	3231.8	3520.2	*3510.7*	3342.7	3240.9	3013.3
67.5°	1246.5	1225.8	1363.3	1757.9	2325.0	3030.7	3633.7	*3645.7*	3454.6	3270.8	2905.2
68°	*1137.5*	*1143.7*	*1250.8*	*1640.6*	*2214.7*	*2959.7*	*3641.1*	*3659.5*	*3465.7*	*3251.3*	*2846.2*
70°	678.0	689.8	785.4	1129.6	1684.9	2557.8	3560.4	*3602.3*	3399.5	3050.0	2461.8
72.5°	173.1	187.2	277.5	505.6	962.4	1802.2	3005.5	*3076.6*	2951.5	2474.3	1662.0
75°	71.3	74.9	99.2	166.6	358.5	811.9	1981.0	*2133.0*	2046.1	1481.3	751.1
77.5°	49.2	51.7	63.8	92.4	155.2	275.3	971.2	*1081.0*	973.9	505.6	163.8
80°	35.4	37.4	45.6	61.5	89.2	98.3	316.6	*366.0*	290.7	111.0	40.6
82.5°	21.1	22.7	34.0	43.8	54.2	47.0	78.7	*89.4*	84.2	55.1	18.2
85°	10.4	12.3	22.9	31.3	29.3	19.7	24.1	*26.8*	33.1	33.6	9.8
87.5°	0.7	1.4	13.4	18.8	8.2	4.5	7.0	*8.6*	11.8	16.6	4.1
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: P386286
CATALOG NUMBER: GPC-SA1D-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	571.8	572.1	570.5	569.8	570.2	567.5	566.4	566.8	566.8	567.5	566.4
5°	577.5	577.5	574.8	571.2	569.1	563.9	560.5	559.6	558.9	558.4	557.5
7.5°	589.8	588.4	583.6	575.7	568.9	557.5	548.9	544.4	542.1	541.2	540.5
10°	609.5	607.0	599.1	584.3	568.7	548.5	529.6	516.2	505.1	500.6	497.9
12.5°	636.1	632.4	619.0	594.5	567.1	529.9	489.0	449.8	413.2	398.2	390.8
15°	666.7	661.5	640.4	603.2	557.8	487.9	399.2	330.4	279.8	260.7	252.6
17.5°	697.8	691.0	659.0	608.6	529.9	401.0	280.0	211.5	177.7	168.6	165.4
20°	729.1	719.1	675.1	604.5	466.8	289.1	184.7	154.5	144.8	142.1	141.1
22.5°	758.8	743.4	689.6	588.6	369.7	194.0	146.1	136.6	133.4	131.8	131.4
25°	784.7	763.1	702.3	539.6	261.6	146.6	131.6	128.4	124.4	121.4	121.6
27.5°	809.0	782.9	710.0	458.8	174.5	125.3	121.9	117.5	110.1	105.7	105.7
30°	838.2	809.2	715.7	353.1	128.4	110.7	108.0	101.4	91.2	85.5	85.5
32.5°	882.3	849.1	712.1	247.8	106.4	97.3	91.0	81.9	70.8	65.4	65.1
35°	949.7	910.9	686.2	162.5	93.9	84.6	74.4	63.3	53.6	49.0	48.8
37.5°	1040.4	993.5	628.1	116.2	84.2	72.8	60.6	48.3	41.1	38.1	37.9
40°	1158.2	1089.4	545.1	94.2	75.1	61.5	46.7	37.4	32.4	30.2	30.4
42.5°	1299.6	1192.2	445.4	81.2	66.3	50.6	36.5	29.5	26.3	24.7	24.3
45°	1456.6	1293.7	341.1	72.4	57.4	40.8	28.6	23.4	20.9	20.0	20.0
47.5°	1629.3	1392.4	249.6	64.7	47.9	31.5	22.9	19.1	17.0	16.3	16.1
50°	1786.1	1460.9	179.9	56.5	39.3	25.0	18.6	15.9	14.5	13.6	13.6
52.5°	1916.8	1482.5	132.5	47.7	31.8	20.0	15.4	13.6	12.3	11.6	11.6
55°	2031.8	1473.6	98.5	39.3	25.6	16.3	13.2	11.6	10.4	9.8	9.8
57.5°	2142.1	1445.0	73.5	32.0	20.6	13.2	11.1	9.8	8.6	8.2	8.2
60°	2232.2	1397.4	54.7	25.9	16.6	10.7	9.3	7.9	7.0	6.4	6.4
62.5°	2305.3	1344.7	40.2	21.3	13.2	8.4	7.3	6.6	5.2	4.5	4.5
65°	2305.7	1257.4	30.2	17.7	10.2	6.6	5.4	5.2	3.4	2.7	2.5
67.5°	2138.9	1084.0	23.1	15.2	7.9	5.0	4.1	4.3	1.8	1.1	0.9
68°	*2078.4*	*1040.0*	*21.8*	*15.0*	*7.5*	*4.8*	*3.9*	*4.3*	*1.6*	*0.9*	*0.7*
70°	1752.3	827.3	17.5	14.5	6.6	3.6	3.2	4.3	1.4	0.7	0.5
72.5°	1120.8	480.2	12.9	11.6	5.0	2.7	2.0	3.9	1.4	0.5	0.2
75°	477.0	148.9	8.8	8.2	2.9	2.0	1.4	2.5	0.9	0.2	0.0
77.5°	100.5	33.6	5.2	5.0	2.0	1.4	0.9	0.7	0.2	0.0	0.0
80°	25.9	9.8	2.7	2.5	1.1	0.7	0.5	0.0	0.0	0.0	0.0
82.5°	8.2	3.9	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.1	2.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.7	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

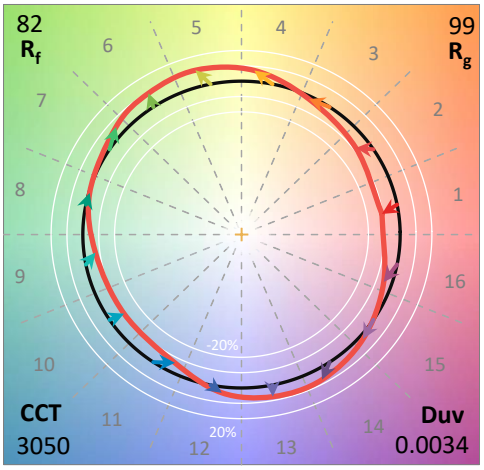
Test Information

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

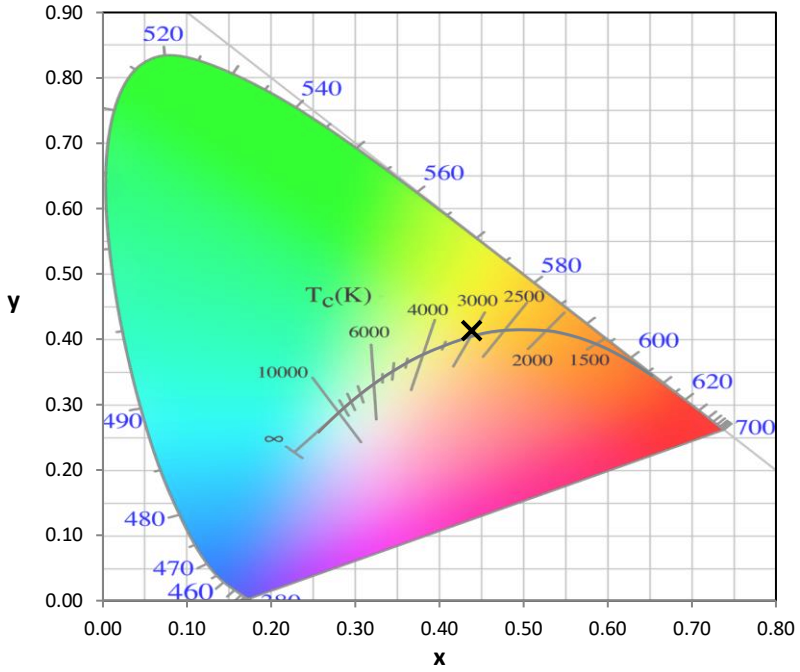
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

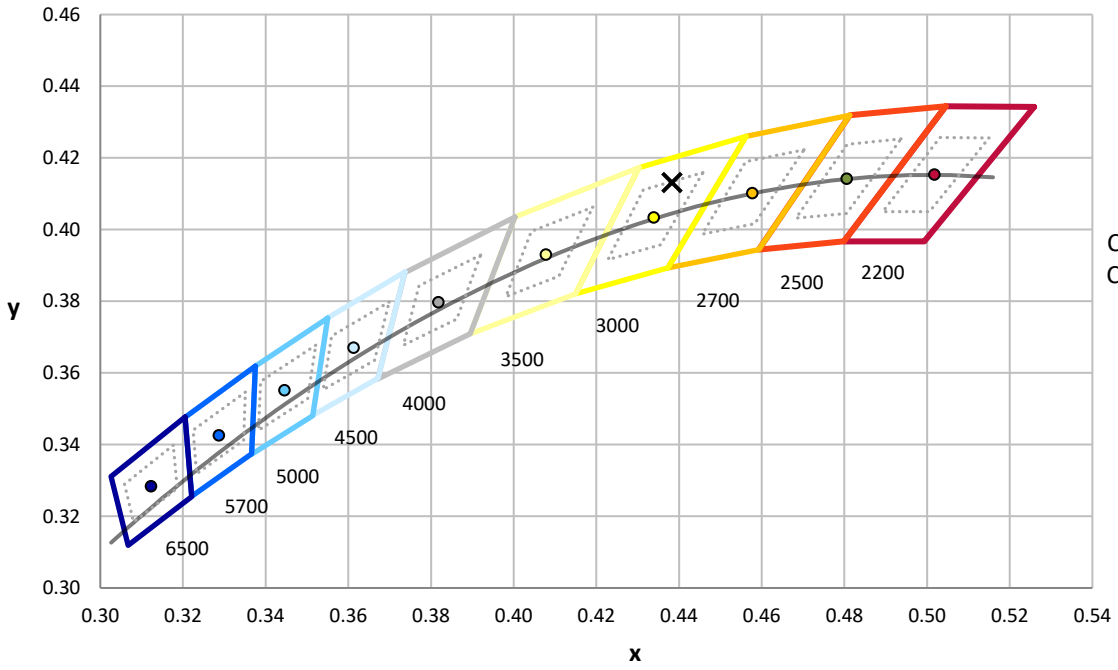
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

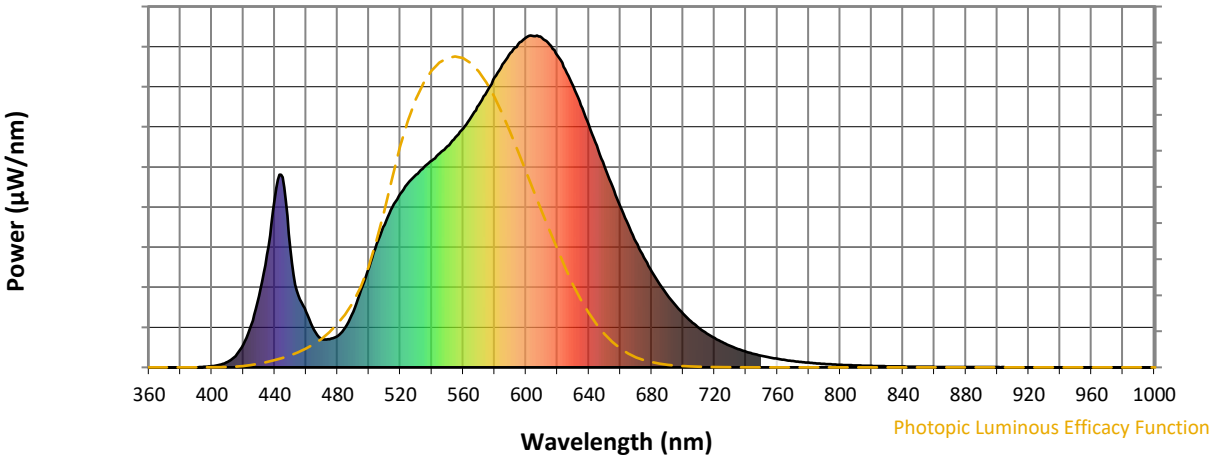


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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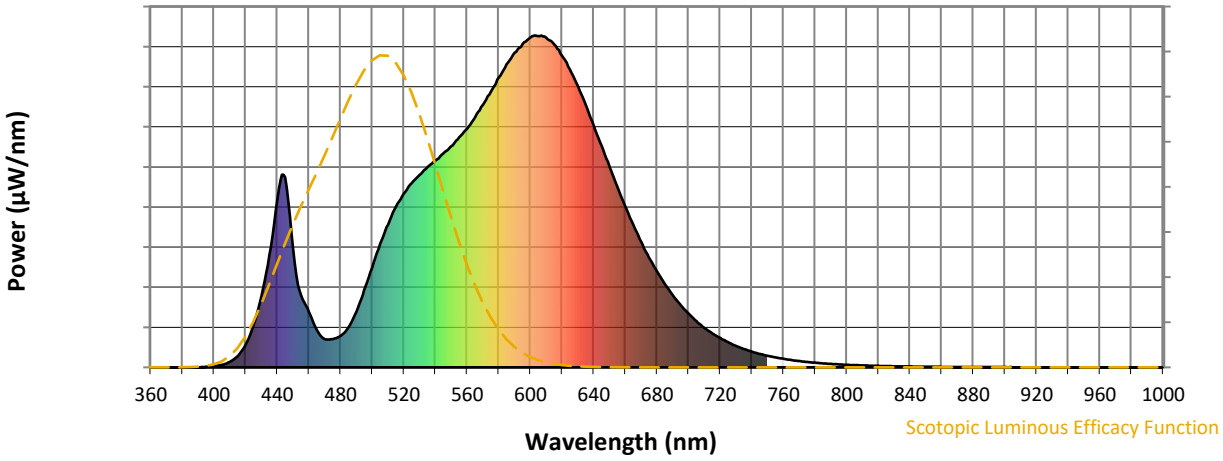
Scotopic Flux vs. Wavelength



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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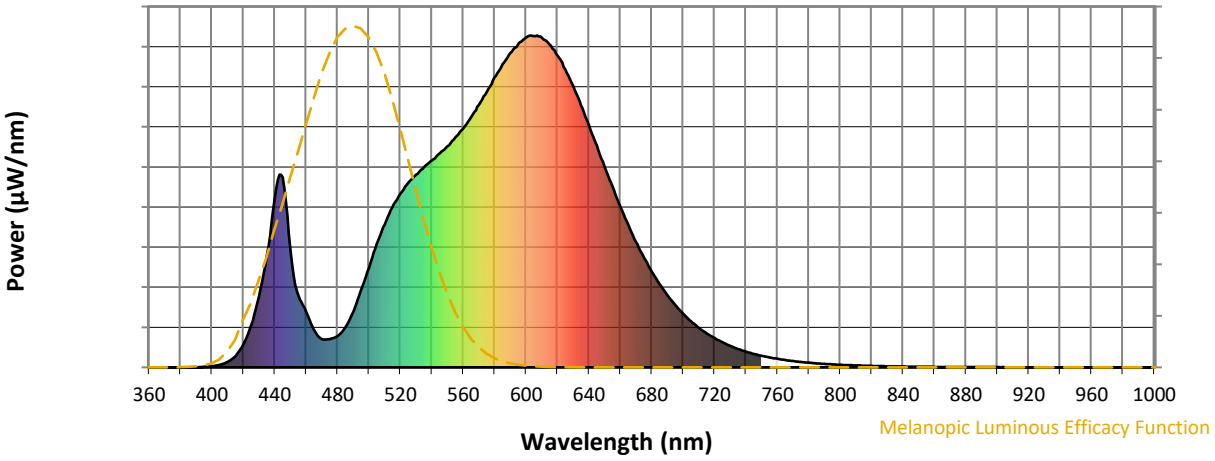
Melanopic Flux vs. Wavelength



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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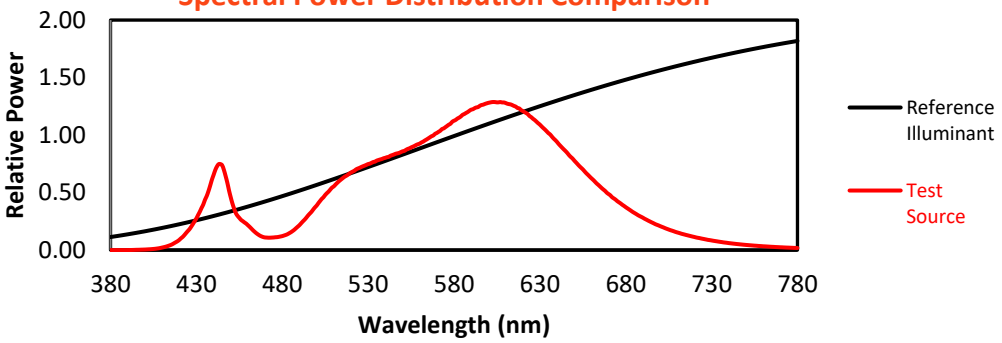
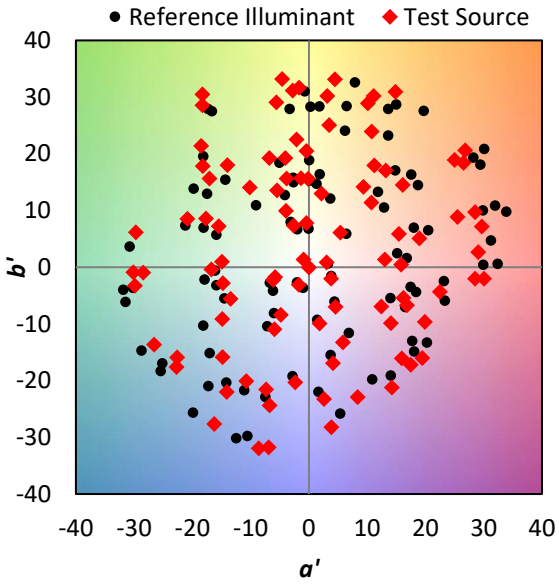
Summary

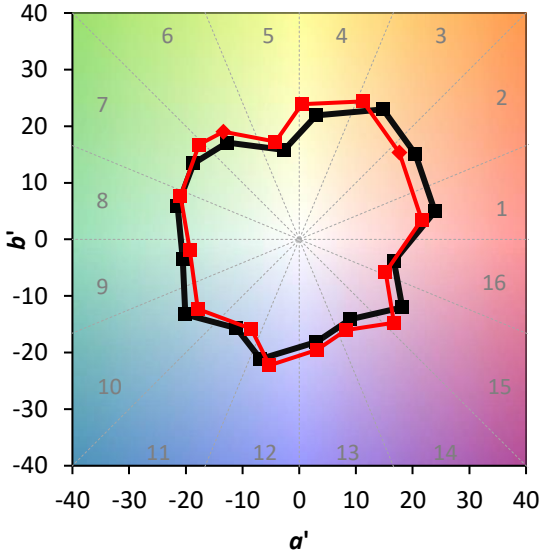
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

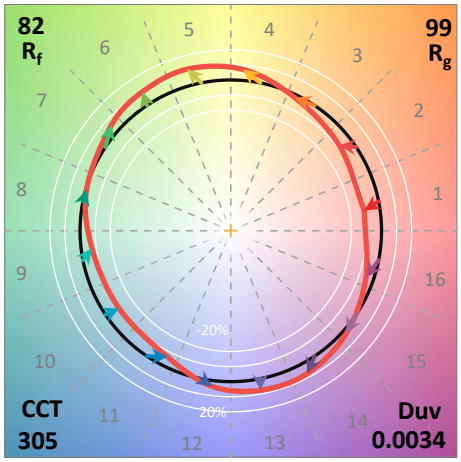
Spectral Power Distribution Comparison

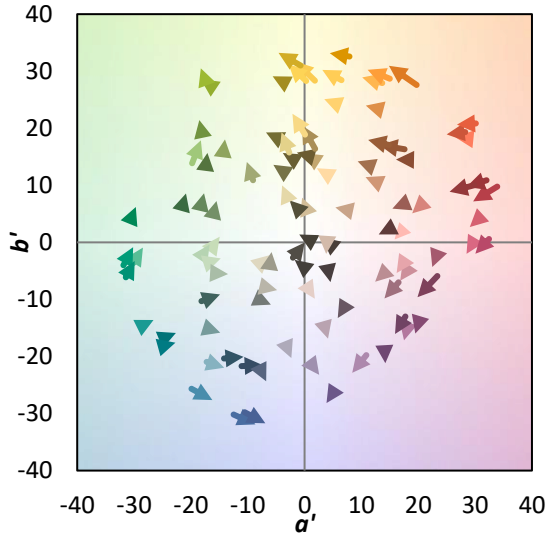


Color Vector Graphics









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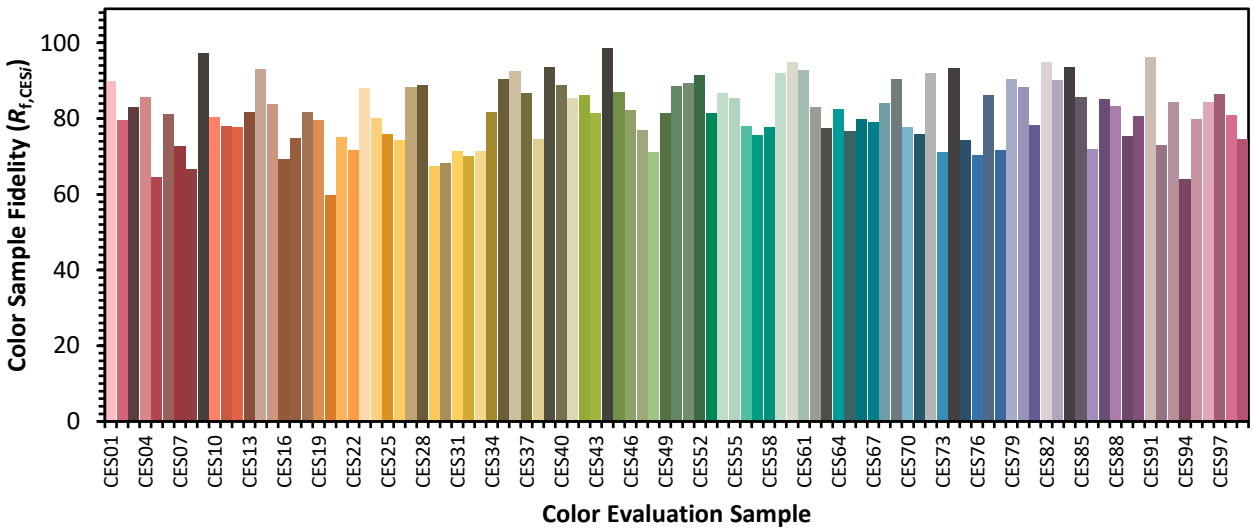
Individual Sample Fidelity Index ($R_{f,i}$)

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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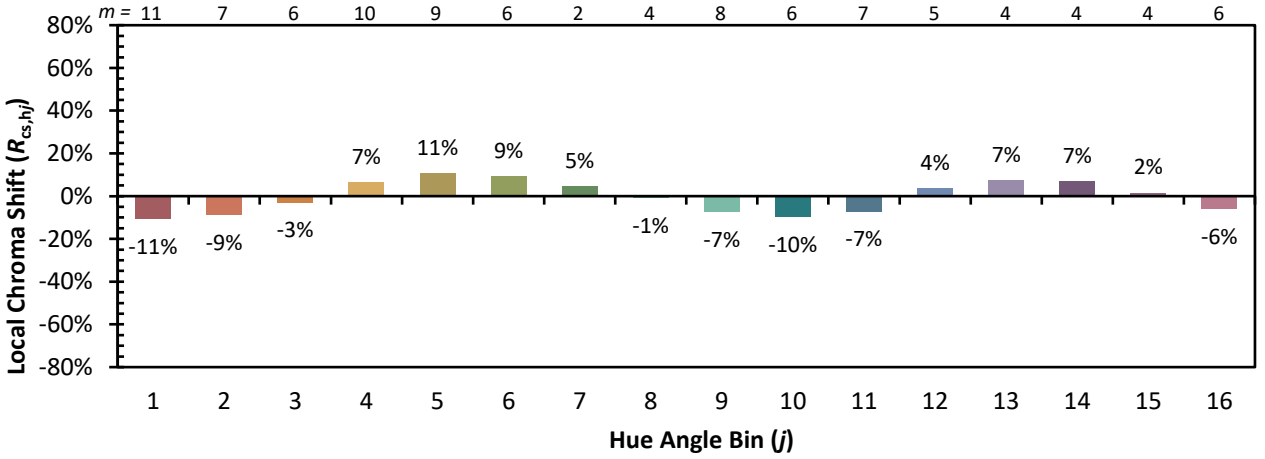
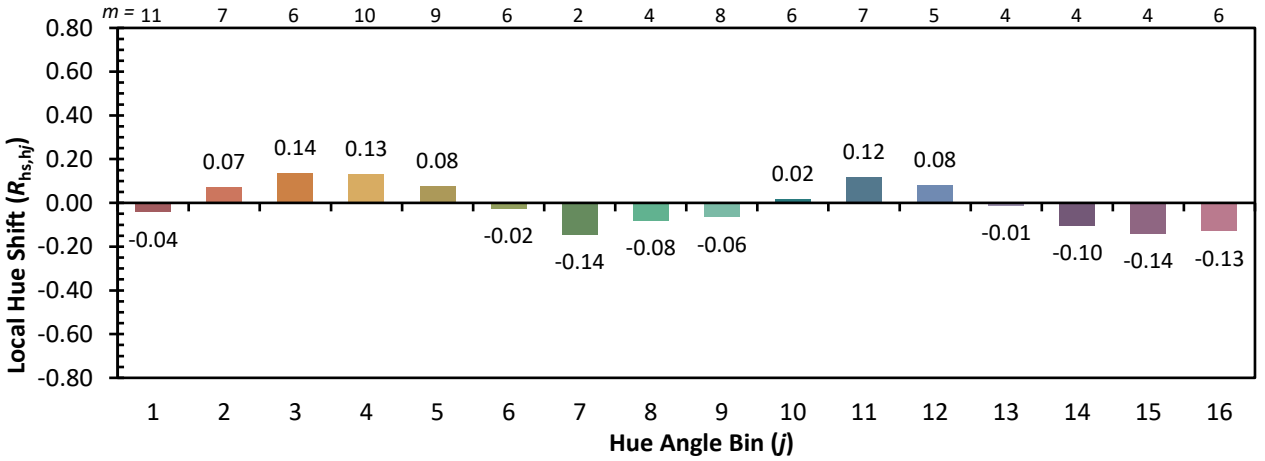
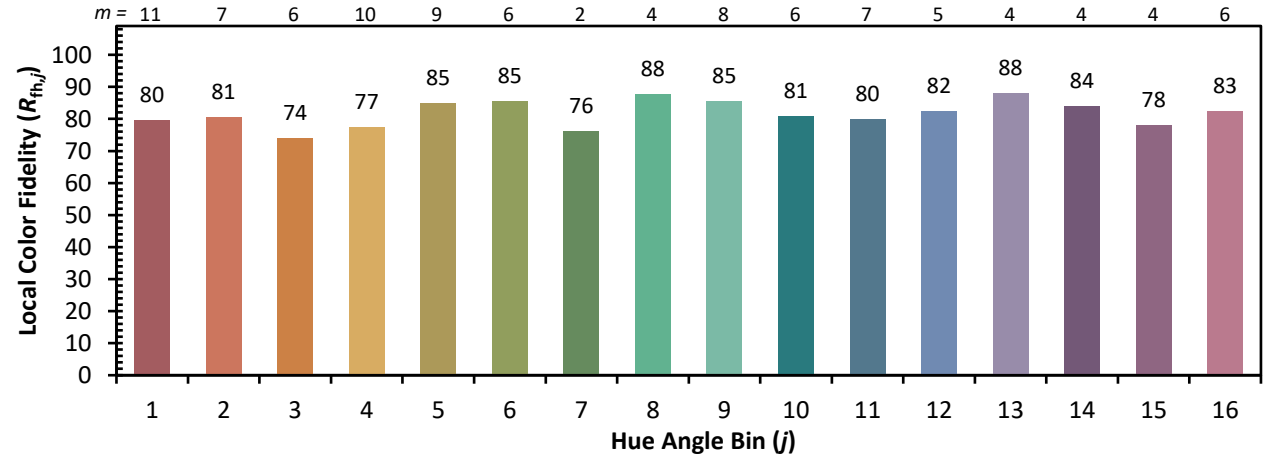
Color Rendition by Hue-Angle Bin







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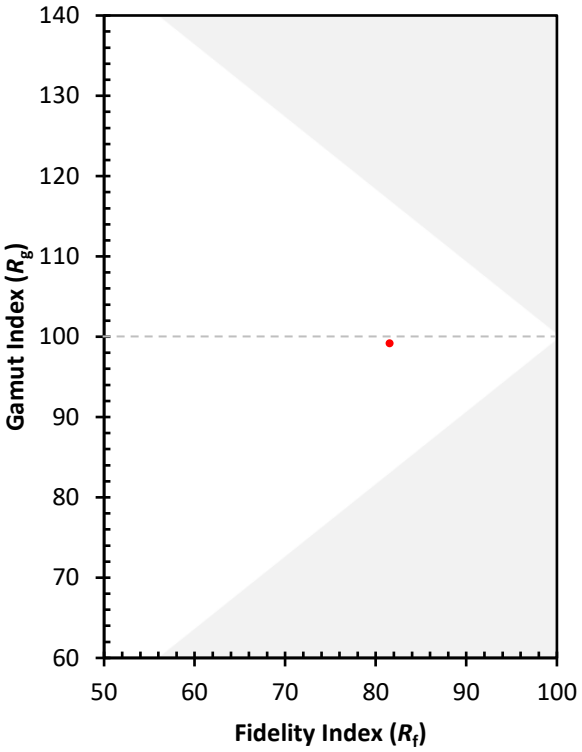
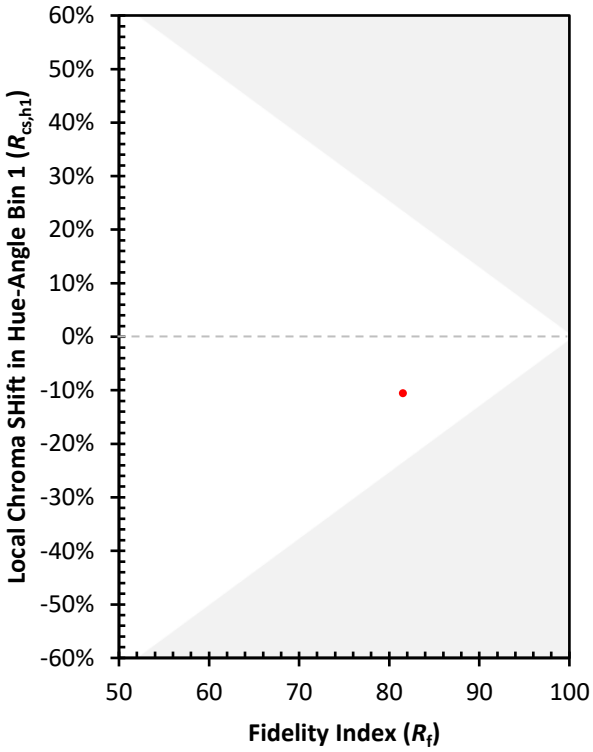
Measure Comparisons





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