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: P385602

Luminaire Tested: **GPC-SA1A-830-U-SL3-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:	P385602
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1A-830-U-SL3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3379 lumens
Efficiency:	N/A
Efficacy:	99.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	34
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: P385602
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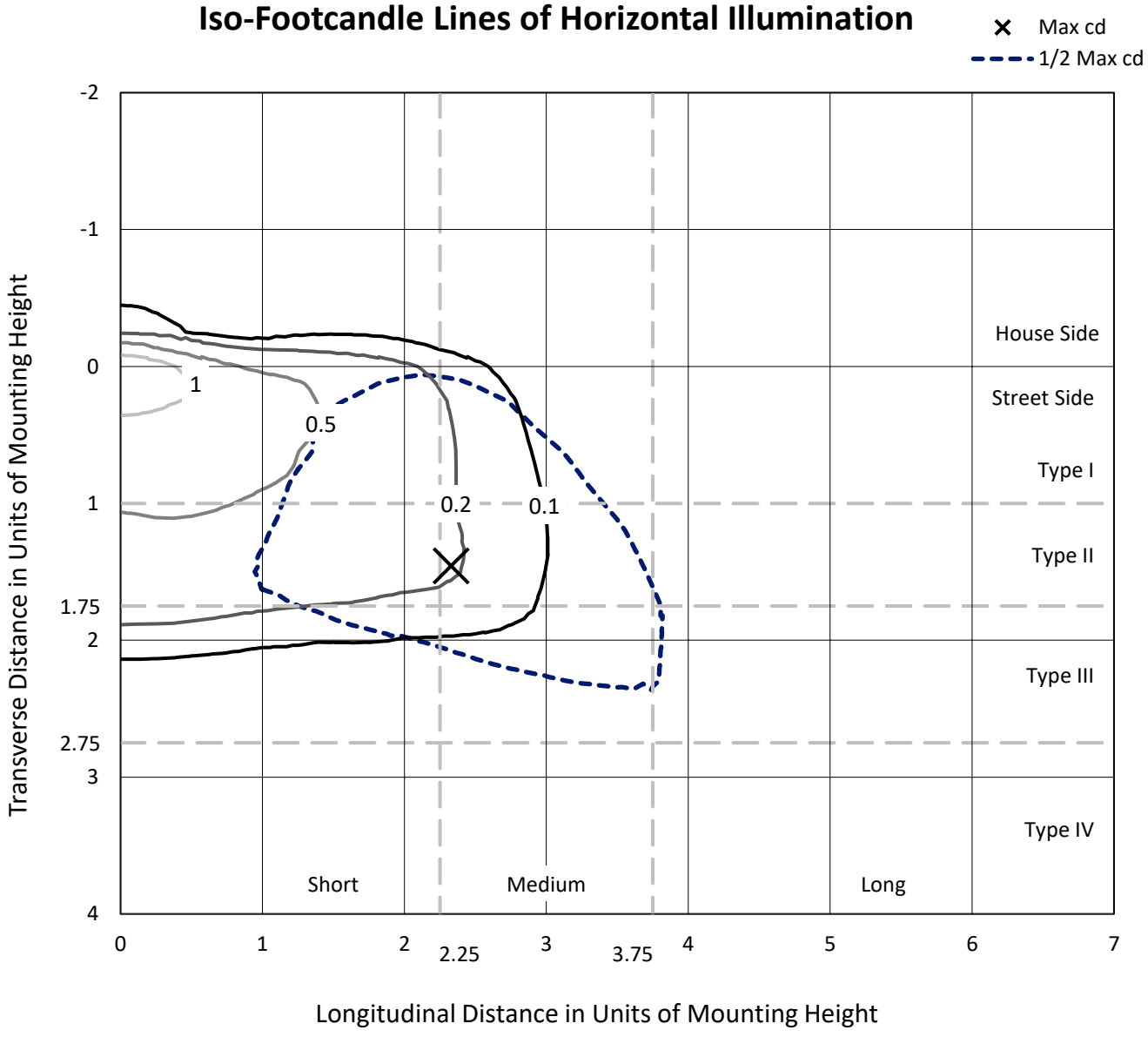
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Medium - N/A

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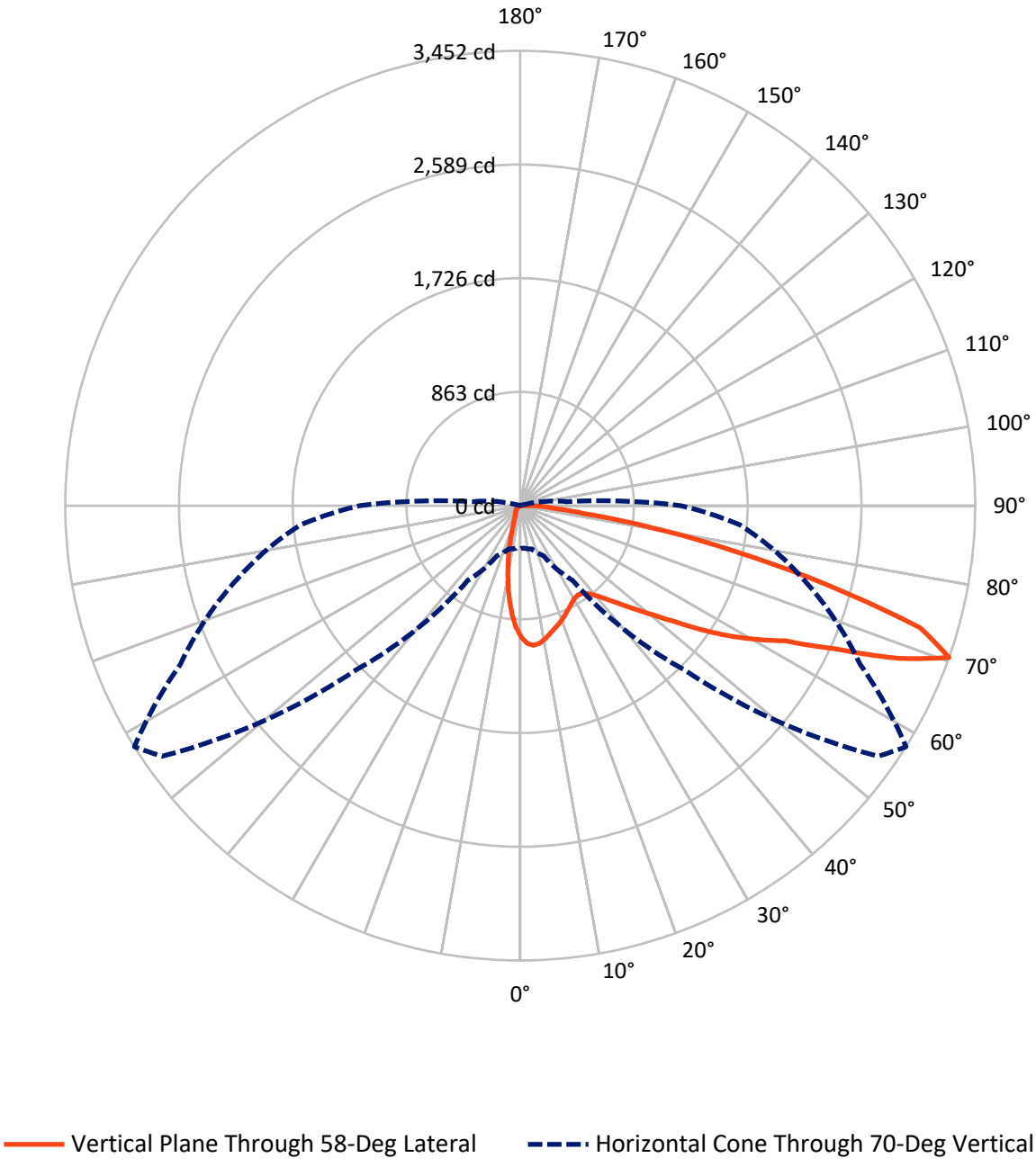
Luminous Intensity Polar Plot



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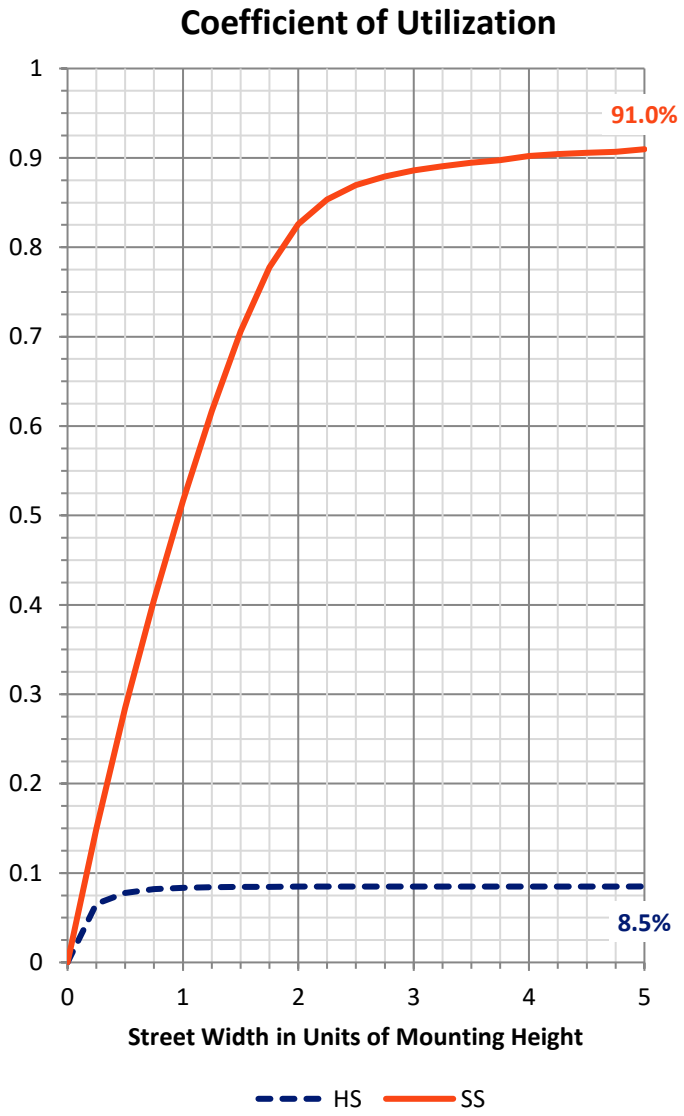
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.2	0.0	289.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	3089.8	0.0	3089.8
	% Fixture	91.4	0.0	91.4
Total	Lumens	3379.0	0.0	3379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	2.4
10°-20°	171.3	5.1
20°-30°	225.2	6.7
30°-40°	298.3	8.8
40°-50°	445.8	13.2
50°-60°	714.2	21.1
60°-70°	900.2	26.6
70°-80°	485.6	14.4
80°-90°	56.8	1.7
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°	3379.0	100.0
0°-180°	3379.0	100.0



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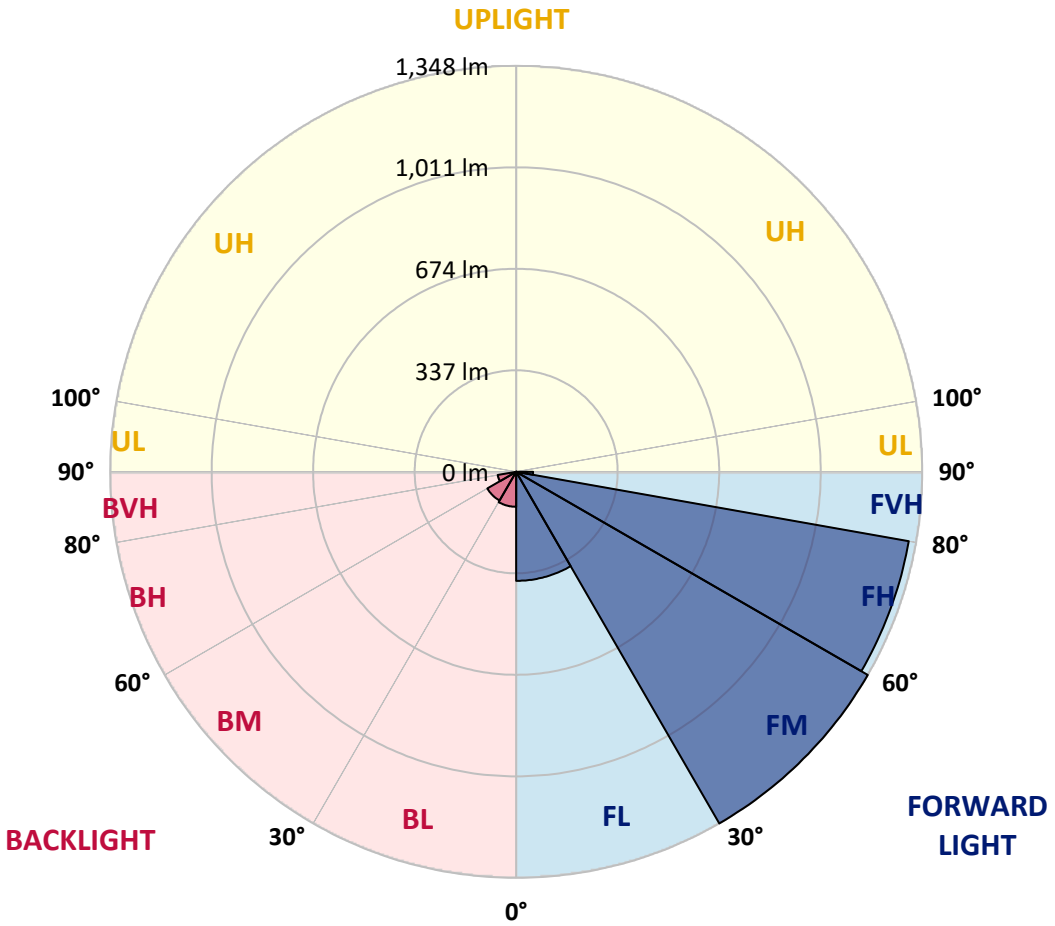
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	362.0	10.7			
FM	(30°-60°)	1347.9	39.9			
FH	(60°-80°)	1323.6	39.2			G1/1800
FVH	(80°-90°)	56.3	1.7			G1/100
BL	(0°-30°)	116.2	3.4	B1/500		
BM	(30°-60°)	110.3	3.3	B0/220		
BH	(60°-80°)	62.2	1.8	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	998.1	998.1	998.1	998.1	998.1	998.1	998.1	*998.1*	998.1	998.1	998.1
2.5°	1080.9	1078.2	1077.2	1075.6	1069.1	1062.8	1050.3	*1046.8*	1038.9	1020.2	1000.4
5°	1081.7	1081.6	1084.6	1083.8	1081.6	1078.6	1069.7	*1065.0*	1051.7	1025.0	988.7
7.5°	1029.6	1032.3	1038.9	1044.2	1050.4	1058.4	1059.5	*1055.0*	1044.1	1015.3	967.2
10°	959.6	963.9	973.1	983.7	999.8	1015.8	1030.2	*1029.6*	1025.8	997.4	941.4
12.5°	889.5	894.4	905.1	920.7	943.6	969.8	995.3	*998.8*	1005.2	981.4	917.5
15°	828.1	832.3	842.9	862.0	890.4	925.5	963.0	*969.5*	985.8	968.9	897.5
17.5°	776.0	778.7	786.4	807.6	840.5	883.1	931.8	*944.5*	968.8	959.1	880.3
20°	739.6	740.0	745.1	760.0	792.9	840.5	899.5	*917.6*	950.8	950.7	862.4
22.5°	721.6	720.2	721.2	729.8	753.9	799.9	867.2	*888.7*	934.6	943.5	844.3
25°	718.3	717.1	714.3	715.4	730.1	764.3	834.6	*859.5*	920.4	939.1	828.6
27.5°	728.8	729.9	725.1	720.1	721.2	741.3	805.7	*834.5*	908.9	939.1	817.5
30°	750.0	750.6	747.1	740.5	731.6	734.8	785.6	*814.4*	903.2	945.6	810.4
32.5°	773.5	776.6	776.1	770.8	758.2	745.1	780.8	*807.1*	902.7	959.9	809.7
35°	802.6	806.1	812.0	810.8	797.6	776.1	797.1	*817.7*	911.0	983.5	817.3
37.5°	833.5	838.8	851.5	857.5	848.9	824.6	833.6	*848.4*	933.2	1021.7	836.6
40°	863.4	869.4	892.5	916.2	909.8	884.8	889.0	*900.8*	972.7	1076.7	873.1
42.5°	892.8	901.8	935.6	974.7	982.4	962.5	964.7	*974.1*	1031.3	1152.3	932.8
45°	927.9	938.0	988.2	1036.4	1057.0	1048.3	1057.9	*1064.0*	1107.9	1252.2	1013.3
47.5°	979.5	991.1	1052.7	1107.6	1143.8	1149.5	1168.7	*1172.8*	1204.7	1368.5	1118.3
50°	1080.1	1083.3	1138.9	1188.8	1241.1	1274.8	1296.7	*1299.8*	1321.9	1495.7	1249.4
52.5°	1206.6	1208.8	1240.2	1273.7	1333.1	1401.9	1453.2	*1457.6*	1462.2	1619.6	1378.8
55°	1332.4	1332.1	1352.9	1372.6	1440.6	1540.6	1651.9	*1654.6*	1621.3	1737.2	1477.7
57.5°	1410.9	1418.5	1450.1	1475.4	1570.4	1698.7	1853.1	*1862.9*	1788.3	1824.3	1575.5
60°	1385.9	1389.6	1459.7	1553.3	1732.1	1923.4	2056.7	*2059.2*	1913.9	1911.3	1699.1
62.5°	1180.8	1182.8	1292.9	1485.8	1814.0	2214.8	2302.3	*2261.1*	2058.4	2032.0	1847.1
65°	809.3	822.1	914.1	1152.6	1663.6	2397.6	2682.5	*2614.4*	2278.6	2205.9	1980.8
67.5°	476.6	473.9	519.4	695.1	1221.8	2276.2	3163.4	*3095.7*	2578.8	2322.4	1941.6
70°	*325.5*	*323.7*	*341.1*	*420.8*	*689.7*	*1765.7*	*3314.8*	*3451.5*	*2843.9*	*2244.0*	*1671.0*
72.5°	232.4	233.4	259.1	327.0	433.0	1028.8	2850.5	*3174.1*	2760.9	1956.2	1270.2
75°	157.8	160.5	197.3	268.2	379.6	523.4	2022.8	*2412.9*	2248.2	1421.8	730.1
77.5°	84.9	87.8	131.2	216.1	343.3	363.6	1301.2	*1660.6*	1412.2	639.2	211.6
80°	35.4	37.1	61.4	157.1	296.6	319.4	765.6	*1007.0*	601.8	126.0	47.2
82.5°	15.3	16.2	25.6	93.7	221.7	269.6	405.4	*484.5*	182.4	27.7	23.7
85°	3.0	3.1	10.5	49.6	141.5	152.2	262.7	*257.5*	81.9	11.9	17.3
87.5°	0.0	0.0	2.5	15.6	41.6	82.9	160.3	*158.3*	27.8	5.8	6.5
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: P385602
CATALOG NUMBER: GPC-SA1A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1	998.1
2.5°	990.3	980.6	960.2	935.1	915.8	894.6	877.7	856.4	847.1	847.5	842.5
5°	968.1	948.1	903.0	846.1	802.3	757.0	718.1	679.3	656.4	649.0	642.0
7.5°	936.3	904.7	832.8	745.1	670.9	598.4	535.3	479.8	444.7	427.6	421.2
10°	900.5	856.1	752.0	636.5	530.5	432.5	350.7	279.6	251.2	232.0	227.1
12.5°	869.0	808.9	673.0	525.1	399.3	281.0	203.0	158.8	139.5	131.9	130.7
15°	839.4	764.8	597.0	424.2	276.5	173.0	129.1	114.1	109.6	108.3	108.3
17.5°	811.4	722.8	522.7	324.8	182.9	121.3	106.9	103.6	102.1	102.0	102.1
20°	782.2	680.7	449.6	238.0	127.7	102.7	98.8	96.9	96.5	96.5	96.5
22.5°	754.2	638.7	378.5	170.0	102.4	93.7	91.7	90.5	90.1	89.9	89.6
25°	727.4	598.8	309.1	120.1	89.9	85.8	84.2	82.5	81.2	80.5	80.1
27.5°	705.3	563.3	244.5	96.4	81.2	77.7	75.6	73.1	70.0	68.6	68.0
30°	687.8	530.8	188.4	81.4	73.1	69.5	66.3	62.0	57.5	55.1	54.9
32.5°	674.0	498.9	143.0	71.9	65.8	61.4	56.8	51.3	46.1	43.4	43.3
35°	667.3	470.8	109.3	65.1	59.3	53.8	48.1	42.0	37.0	34.4	34.1
37.5°	671.7	447.1	85.3	59.3	53.8	47.5	40.7	34.4	29.9	27.7	27.5
40°	688.2	431.9	69.3	54.4	49.2	41.4	34.1	28.2	24.4	22.6	22.5
42.5°	723.2	426.3	59.2	50.3	44.7	35.8	28.4	23.3	19.8	18.5	18.3
45°	781.6	434.6	52.3	46.4	40.0	30.5	23.5	19.1	16.0	15.0	14.9
47.5°	859.5	456.4	47.3	42.6	35.8	25.7	19.5	15.5	13.1	12.1	11.9
50°	959.8	490.9	43.3	38.8	31.9	21.8	16.2	12.2	10.1	9.4	9.4
52.5°	1069.0	532.1	39.6	35.3	28.0	18.1	13.1	9.4	8.0	7.2	7.2
55°	1159.2	568.1	35.7	32.6	23.2	15.0	10.0	7.2	5.9	5.5	5.5
57.5°	1249.2	606.4	31.2	28.0	18.5	12.2	7.6	5.3	4.4	4.1	4.1
60°	1366.0	653.3	26.8	22.8	14.6	9.3	5.6	3.8	3.2	3.1	3.1
62.5°	1494.4	680.9	22.9	18.3	11.4	6.9	4.1	2.5	2.4	2.4	2.2
65°	1572.9	642.0	19.2	14.6	8.9	5.2	2.7	1.8	2.1	2.0	1.7
67.5°	1472.8	502.6	15.7	11.4	6.9	3.9	1.7	1.3	2.2	1.8	1.4
70°	*1219.4*	*351.8*	*12.2*	*8.0*	*5.5*	*3.4*	*1.1*	*0.8*	*2.4*	*1.8*	*1.1*
72.5°	912.6	235.5	9.7	5.3	4.1	3.0	1.0	0.4	2.1	1.5	1.0
75°	498.6	94.8	7.7	3.4	2.5	2.1	0.7	0.3	1.4	1.1	0.7
77.5°	131.2	25.0	5.6	2.2	1.4	0.8	0.4	0.1	0.7	0.6	0.3
80°	33.4	9.7	3.7	1.5	1.0	0.4	0.0	0.0	0.1	0.0	0.0
82.5°	17.8	4.1	2.2	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.5	2.7	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	0.8	0.4	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

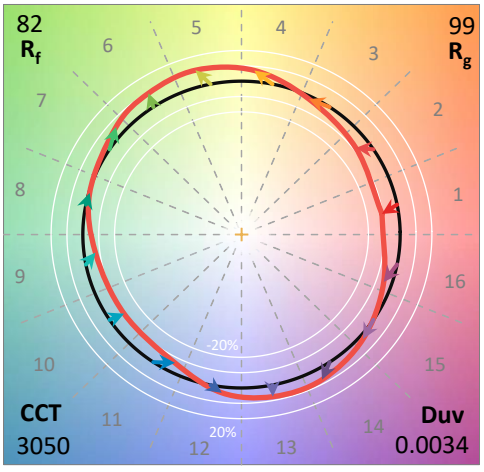
Test Information

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

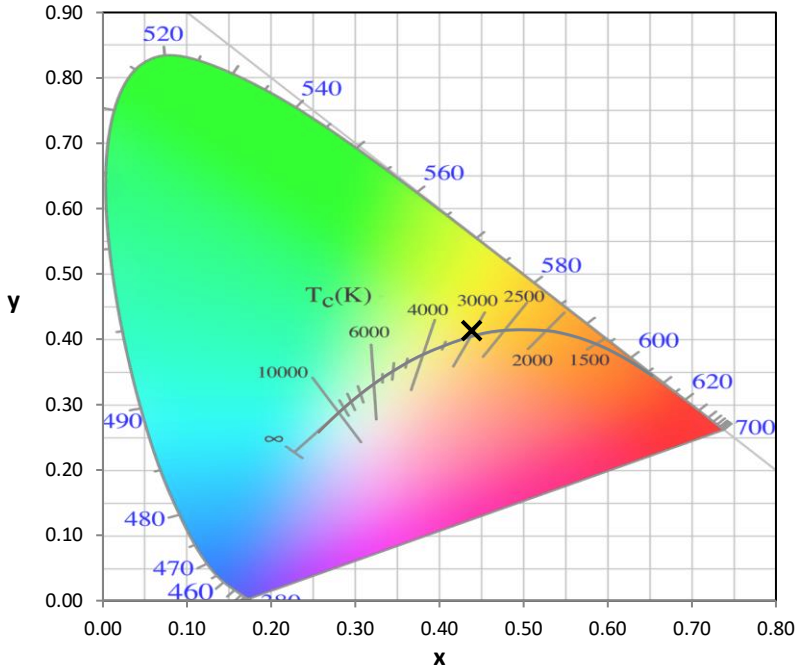
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

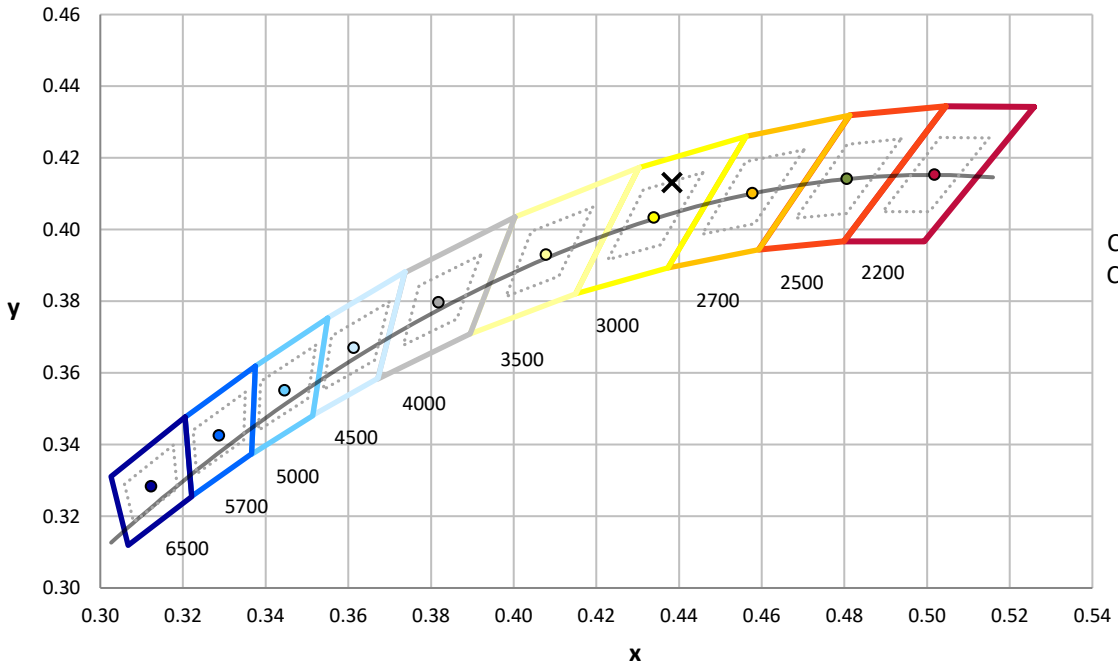
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

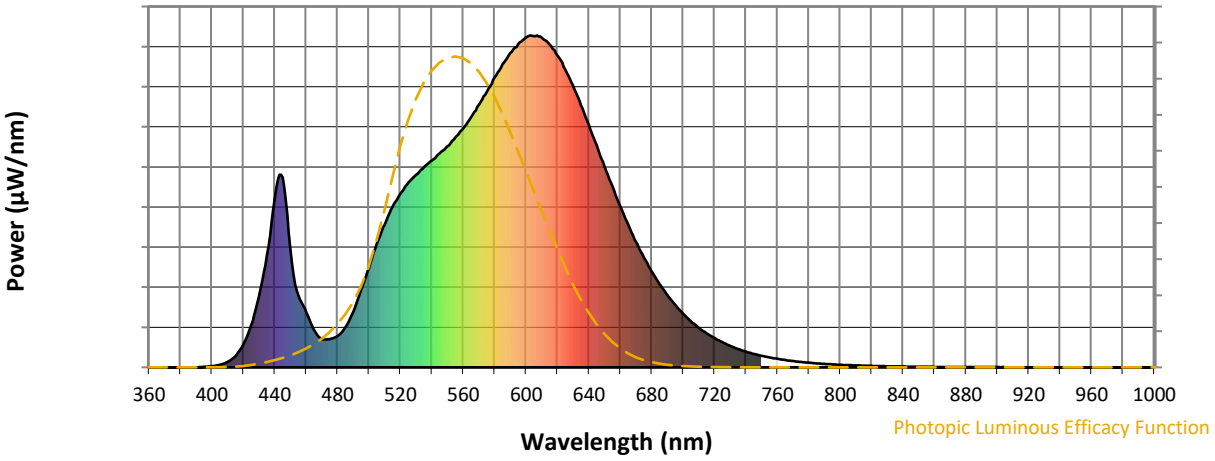


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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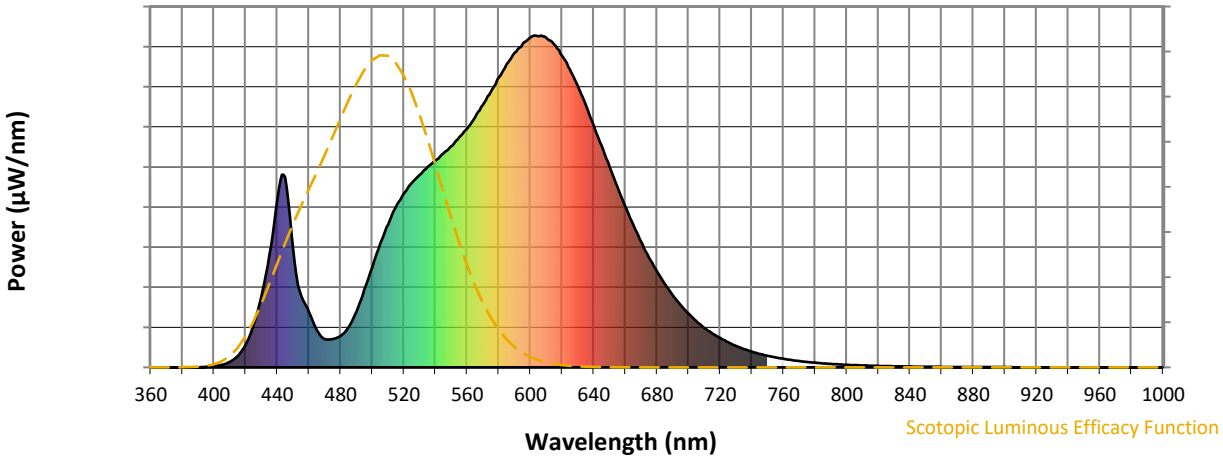
Scotopic Flux vs. Wavelength



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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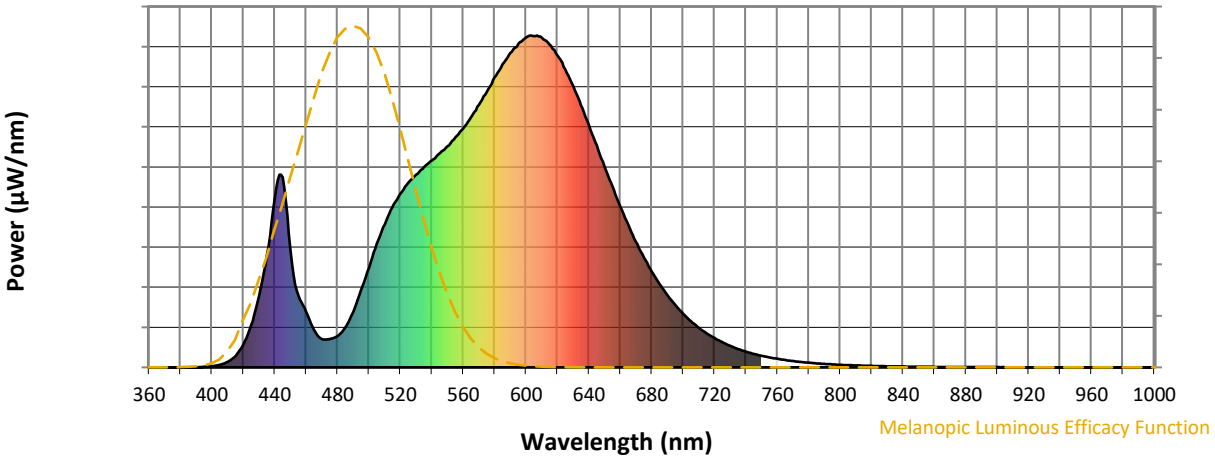
Melanopic Flux vs. Wavelength



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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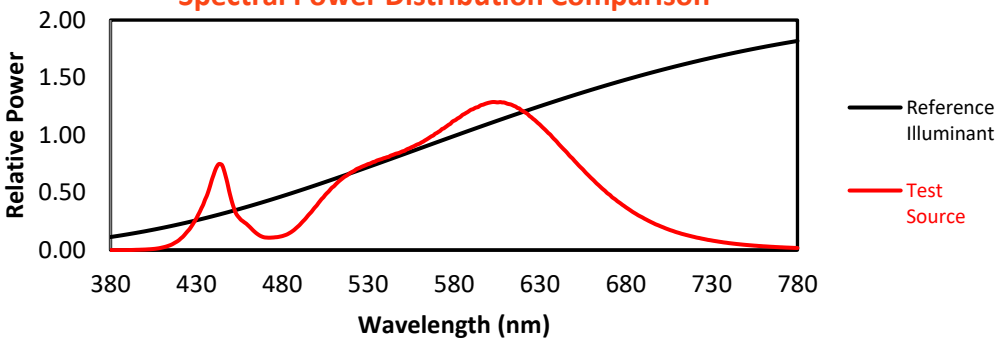
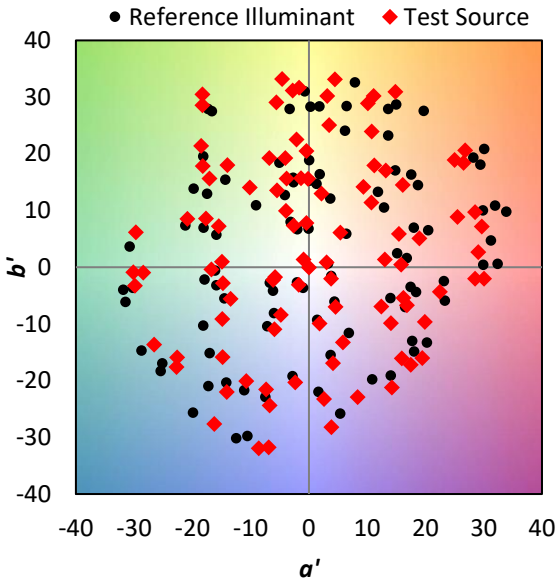
Summary

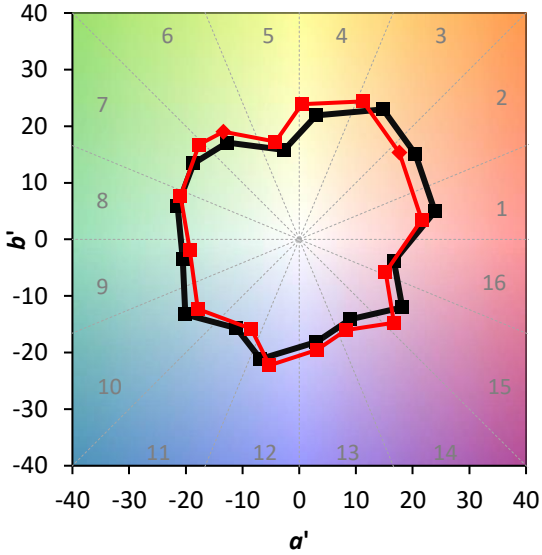
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

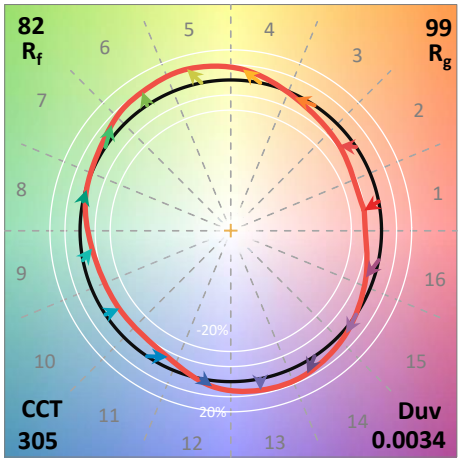
Spectral Power Distribution Comparison

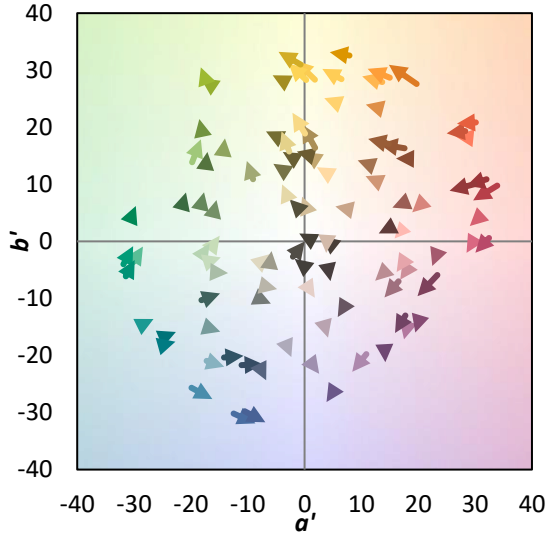


Color Vector Graphics









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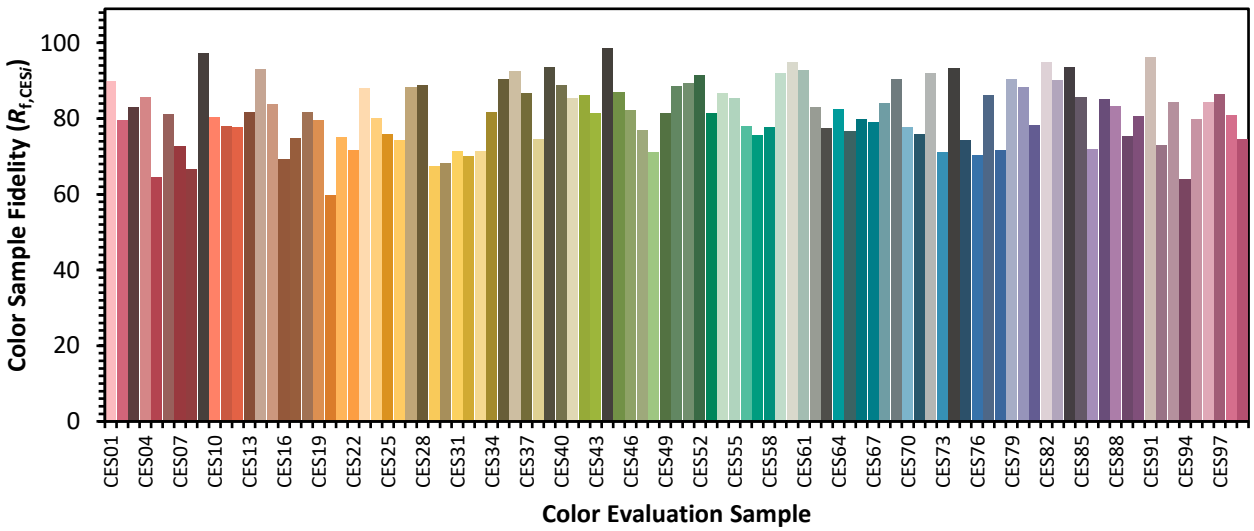
Individual Sample Fidelity Index ($R_{f,i}$)

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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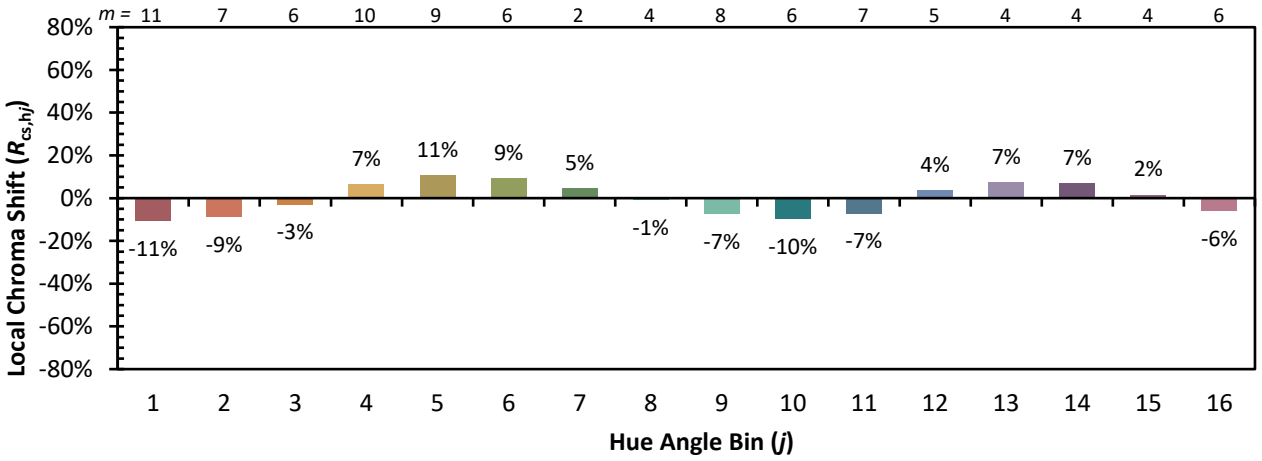
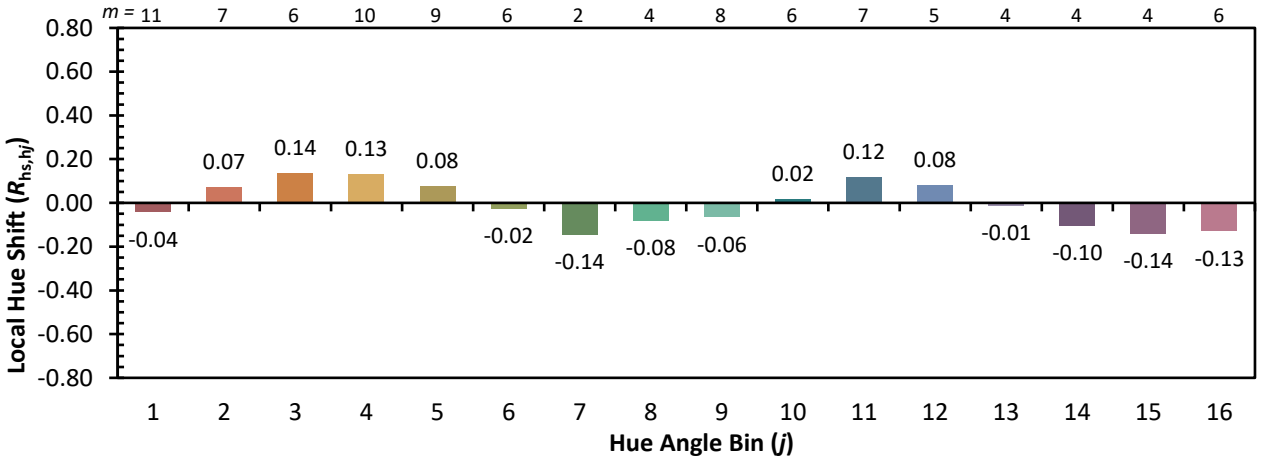
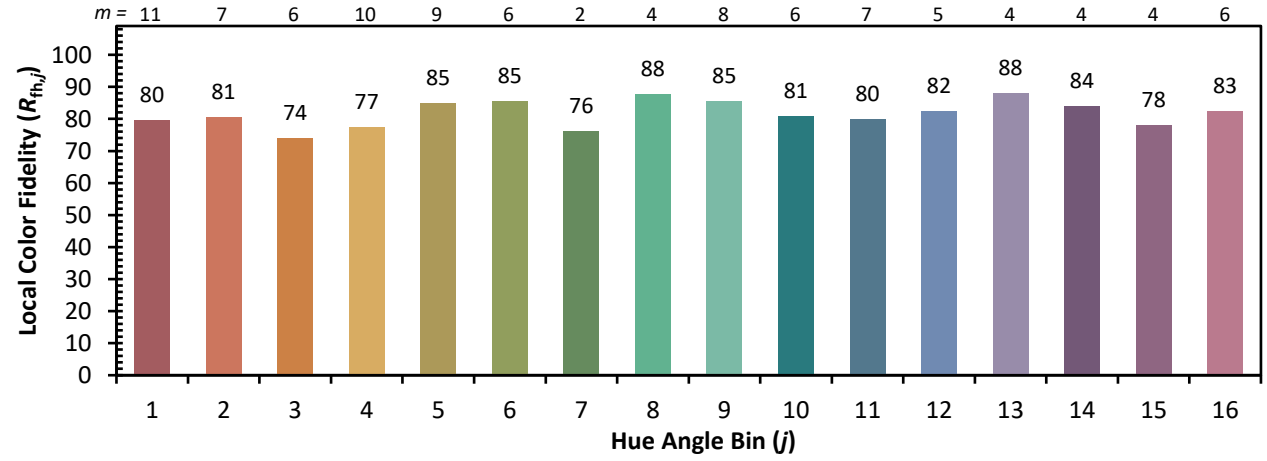
Color Rendition by Hue-Angle Bin







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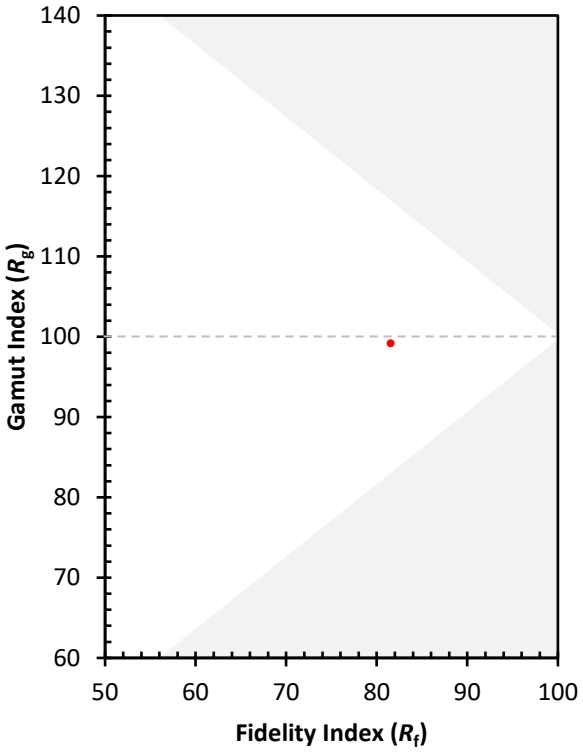
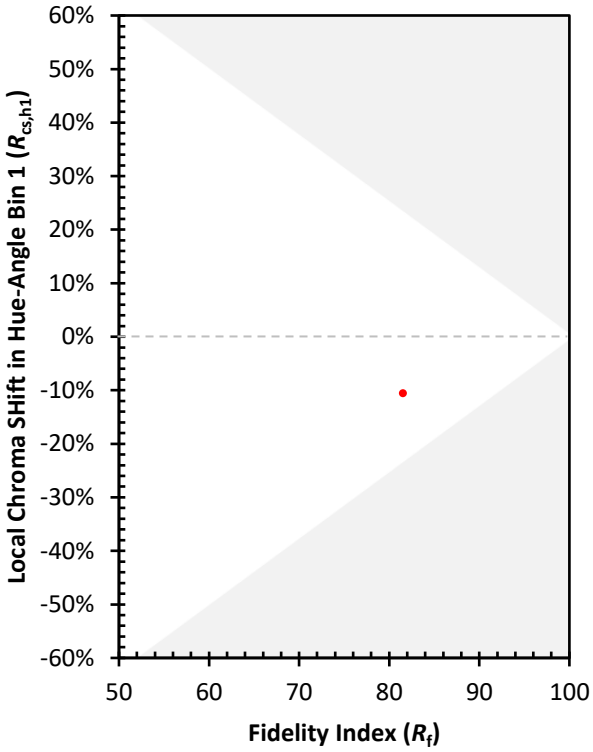
Measure Comparisons





(END OF REPORT)