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: P386291

Luminaire Tested: **GPC-SA1D-830-U-T4FT**

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:	P386291
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
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-T4FT
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6625 lumens
Efficiency:	N/A
Efficacy:	100.4 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):	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: P386291
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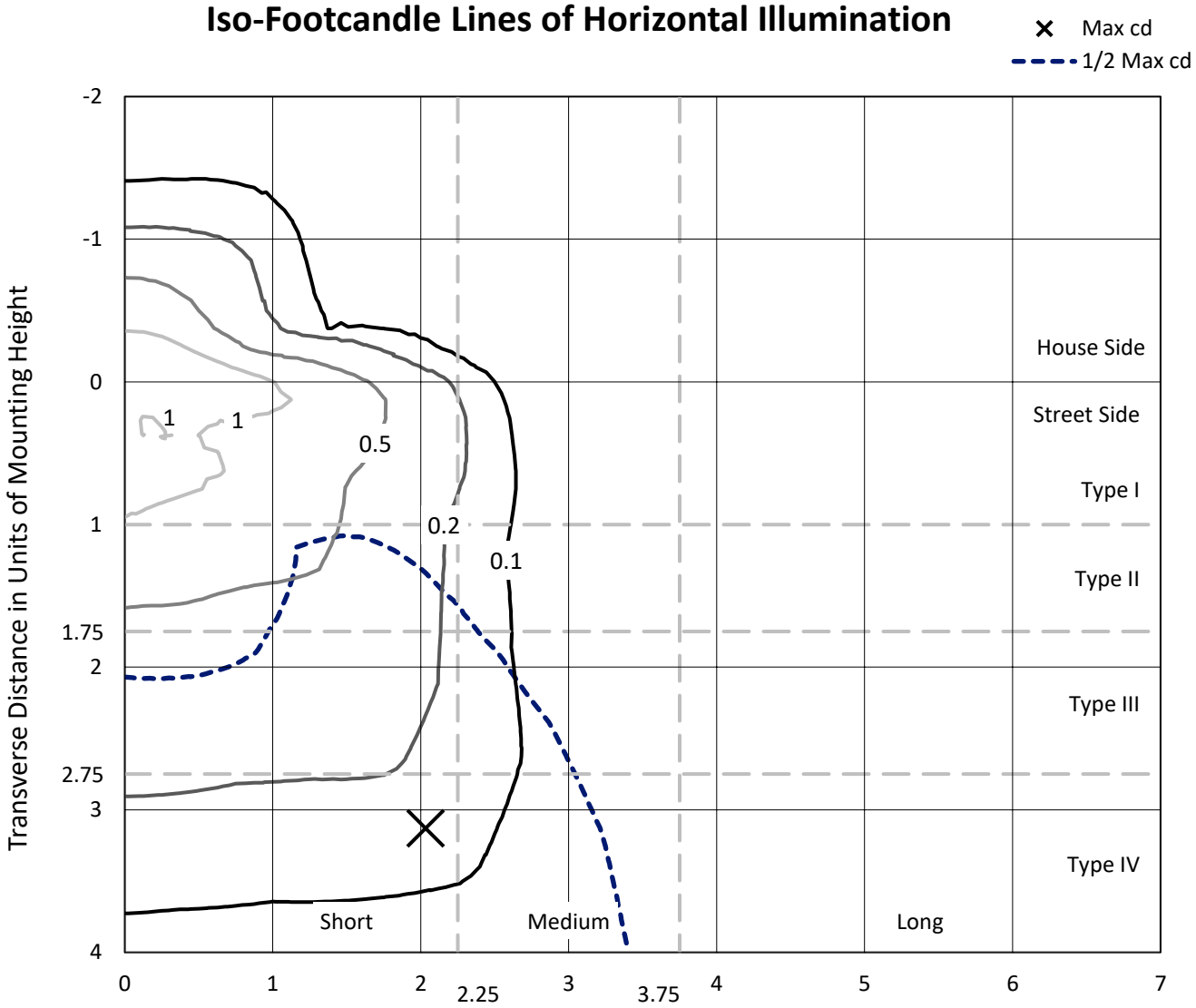
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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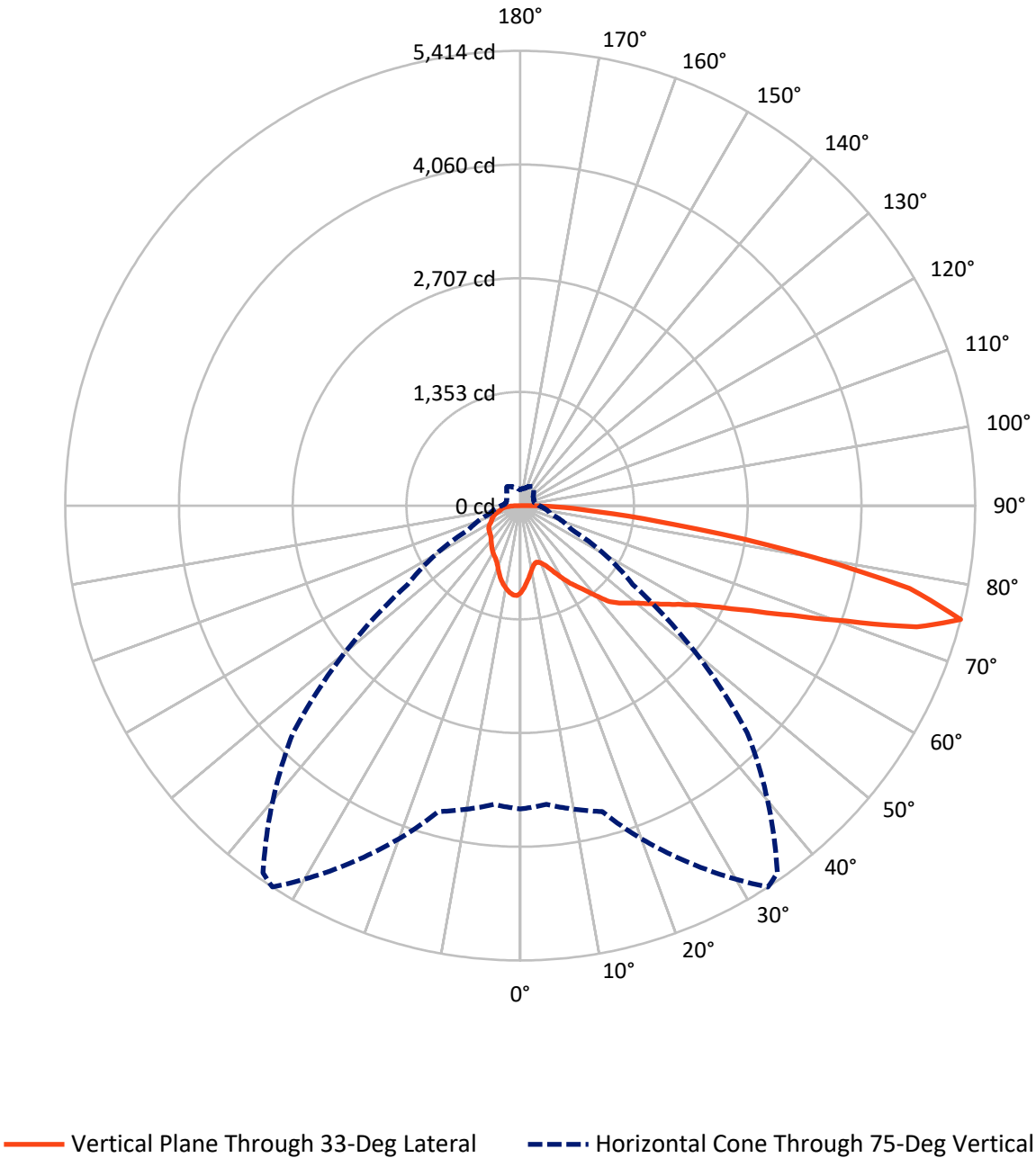
Luminous Intensity Polar Plot



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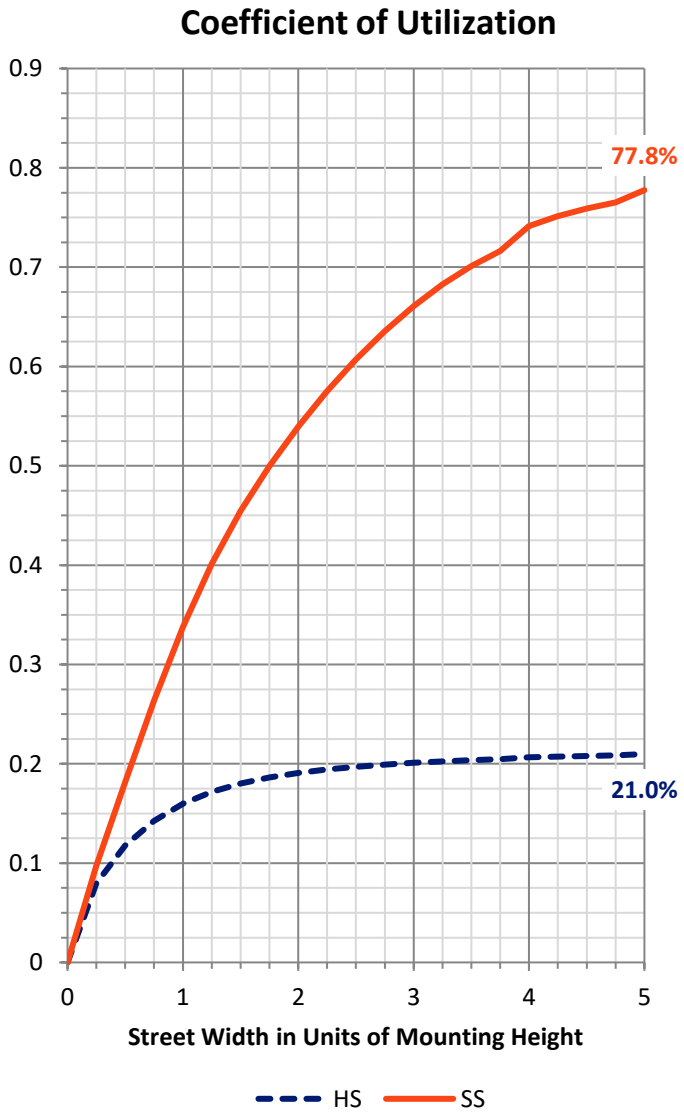
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1422.6	0.0	1422.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5202.4	0.0	5202.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	6625.0	0.0	6625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	1.4
10°-20°	253.6	3.8
20°-30°	414.2	6.3
30°-40°	616.9	9.3
40°-50°	884.8	13.4
50°-60°	1214.7	18.3
60°-70°	1520.7	23.0
70°-80°	1375.7	20.8
80°-90°	250.6	3.8
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°	6625.0	100.0
0°-180°	6625.0	100.0



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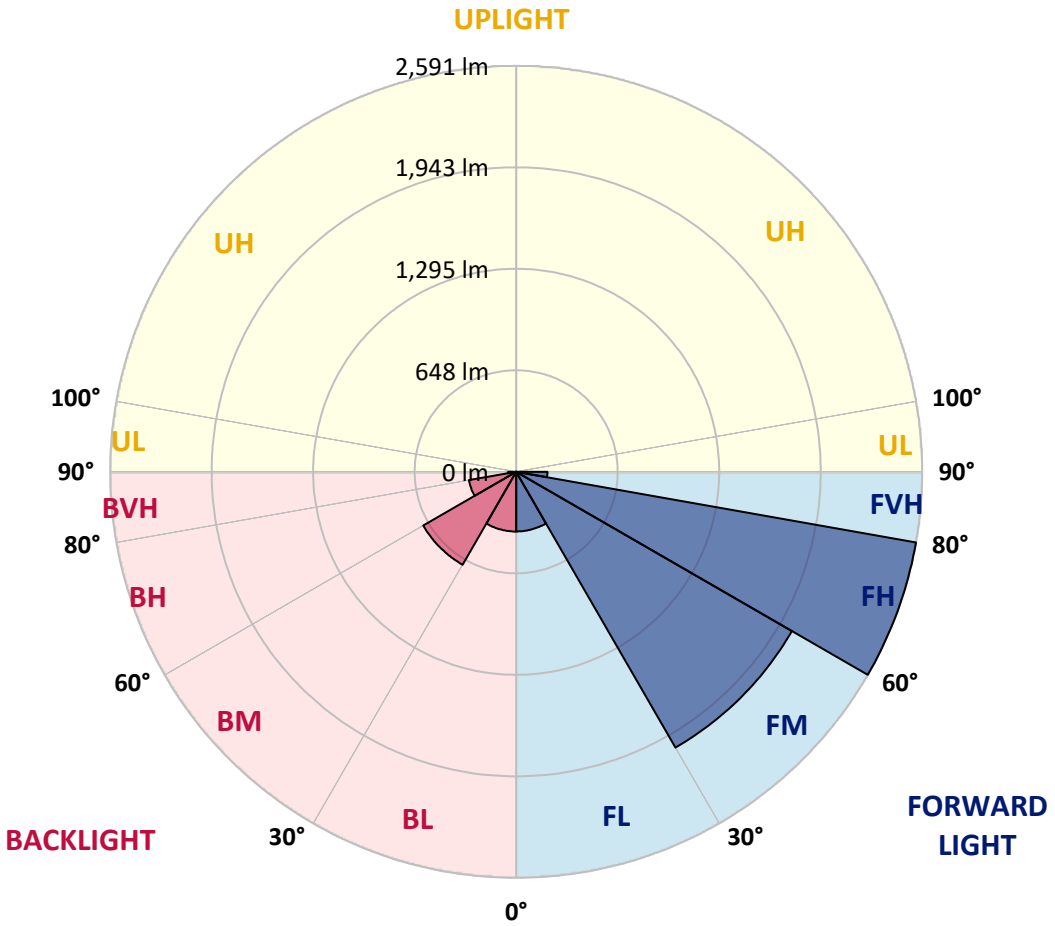
CATALOG NUMBER: GPC-SA1D-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	380.5	5.7			
FM	(30°-60°)	2031.7	30.7			
FH	(60°-80°)	2590.6	39.1			G2/5000
FVH	(80°-90°)	199.6	3.0			G2/225
BL	(0°-30°)	381.0	5.8	B1/500		
BM	(30°-60°)	684.6	10.3	B1/1000		
BH	(60°-80°)	305.9	4.6	B1/500		G1/500
BVH	(80°-90°)	51.0	0.8			G1/100
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: P386291
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5
2.5°	961.6	957.9	964.8	965.7	971.7	974.0	982.2	995.0	1005.5	1017.7	1028.7
5°	874.4	871.9	881.5	888.4	901.4	906.9	926.4	953.6	977.9	1005.3	1030.3
7.5°	791.6	790.2	801.0	816.5	831.6	839.2	872.8	912.4	952.9	997.3	1035.5
10°	721.8	721.3	731.6	747.0	769.1	777.6	821.1	873.3	930.0	991.1	1044.4
12.5°	682.6	684.2	689.1	701.9	722.5	730.9	779.2	840.5	910.8	989.1	1057.5
15°	692.3	694.8	686.5	686.1	700.7	707.4	752.7	817.2	897.1	992.5	1076.5
17.5°	733.2	733.7	711.9	698.2	707.1	710.6	744.4	803.9	889.1	1000.3	1100.3
20°	790.9	789.7	751.3	728.4	733.2	734.1	756.1	804.2	888.4	1013.8	1131.2
22.5°	867.3	858.9	807.1	776.0	774.9	773.5	786.1	821.1	898.4	1035.8	1168.0
25°	967.1	959.1	887.9	845.4	836.2	832.8	834.6	857.3	918.4	1059.3	1209.2
27.5°	1078.1	1064.1	995.5	935.3	916.3	911.5	900.5	908.3	940.1	1082.0	1258.2
30°	1171.0	1163.4	1103.5	1032.1	1009.7	1002.8	974.0	965.5	971.4	1112.9	1320.0
32.5°	1222.9	1217.9	1181.5	1123.9	1103.0	1093.4	1052.7	1035.8	1021.8	1161.6	1403.7
35°	1285.9	1282.7	1260.7	1218.8	1187.9	1177.9	1146.3	1128.7	1092.7	1228.7	1512.0
37.5°	1366.0	1362.5	1363.0	1329.1	1292.3	1282.9	1262.1	1243.5	1184.7	1316.8	1629.6
40°	1456.6	1450.0	1447.4	1445.8	1422.5	1417.2	1406.3	1381.1	1300.1	1422.0	1745.6
42.5°	1593.0	1569.4	1519.1	1538.1	1561.2	1558.4	1567.4	1531.2	1428.2	1546.5	1858.9
45°	1724.6	1685.9	1598.9	1603.1	1653.6	1669.0	1735.8	1710.2	1567.1	1682.9	1976.1
47.5°	1784.5	1755.2	1681.3	1681.6	1731.7	1763.5	1909.9	1891.6	1713.1	1837.9	2119.1
50°	1851.6	1822.3	1755.9	1780.9	1824.6	1858.5	2078.1	2068.8	1852.0	2007.4	2290.5
52.5°	1924.8	1875.2	1833.1	1877.7	1939.0	1978.4	2246.6	2220.9	1979.5	2178.1	2487.5
55°	1925.7	1912.2	1944.3	1977.0	2068.8	2117.0	2423.0	2355.3	2083.4	2345.9	2648.0
57.5°	2035.3	2013.4	2081.3	2096.5	2216.4	2270.8	2598.5	2472.2	2189.1	2474.5	2734.5
60°	2180.4	2161.7	2217.3	2257.1	2399.0	2471.8	2786.0	2592.4	2272.2	2571.5	2730.4
62.5°	2431.0	2409.7	2409.1	2464.9	2656.0	2740.7	2996.3	2710.2	2305.2	2590.8	2613.9
65°	2797.9	2764.0	2700.1	2726.7	3010.9	3095.4	3231.3	2795.6	2261.7	2487.8	2313.9
67.5°	3154.9	3153.7	3075.2	3129.7	3479.6	3547.3	3499.0	2804.0	2126.0	2129.2	1781.6
70°	3510.7	3515.3	3502.0	3691.5	4112.8	4183.3	3784.2	2690.3	1820.9	1537.6	1067.3
72.5°	3792.7	3791.5	3858.3	4346.9	4934.6	4918.8	4024.5	2345.7	1307.4	830.0	510.1
75°	3610.0	3570.2	3769.3	4671.4	5413.6	5336.4	3820.1	1636.2	678.5	377.8	274.6
77.5°	2354.6	2392.3	2684.6	3859.0	4735.3	4641.4	2802.7	763.4	319.7	247.8	199.1
80°	852.7	892.5	1257.0	2185.9	3262.4	3247.1	1380.2	313.7	216.3	187.2	145.1
82.5°	293.4	308.0	495.9	970.8	1842.0	1910.6	519.2	178.3	157.2	132.7	99.3
85°	115.1	131.8	226.8	467.1	929.1	936.0	210.3	106.6	109.4	87.0	54.5
87.5°	43.7	53.1	108.5	216.9	424.3	389.7	75.3	50.8	62.2	51.7	25.9
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: P386291
CATALOG NUMBER: GPC-SA1D-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5	1035.5
2.5°	1037.1	1041.9	1052.0	1058.9	1066.2	1068.2	1069.2	1071.0	1072.8	1072.1	1072.4
5°	1043.5	1052.9	1069.2	1076.0	1079.2	1075.6	1068.5	1062.8	1058.6	1056.3	1055.7
7.5°	1054.1	1067.3	1084.7	1083.6	1076.3	1060.0	1041.7	1028.0	1016.5	1012.4	1010.1
10°	1068.0	1083.6	1095.7	1082.7	1061.4	1033.2	1005.8	984.5	967.3	960.7	959.5
12.5°	1085.9	1101.7	1103.9	1076.3	1041.0	1002.6	965.3	937.1	911.5	903.3	901.4
15°	1109.0	1123.9	1109.7	1065.0	1015.8	964.1	915.8	877.6	850.6	840.5	836.9
17.5°	1133.2	1147.4	1110.8	1046.5	982.9	918.6	857.9	818.8	787.9	776.2	774.9
20°	1162.3	1168.7	1106.0	1020.0	937.6	859.5	795.7	758.9	742.4	734.1	733.2
22.5°	1198.2	1191.4	1095.0	984.0	880.1	791.3	739.4	722.2	718.1	716.3	717.0
25°	1236.2	1215.2	1078.8	937.1	807.6	723.2	698.2	703.0	708.5	707.8	707.8
27.5°	1278.1	1239.4	1053.8	874.9	727.3	667.3	670.3	687.9	696.1	695.9	695.7
30°	1331.9	1266.9	1022.0	800.0	652.2	628.0	646.0	667.5	678.8	678.3	678.5
32.5°	1398.0	1297.1	978.8	716.5	598.0	598.9	619.7	641.0	654.0	652.9	653.1
35°	1475.4	1331.0	920.2	634.1	562.0	575.8	592.3	607.1	619.5	617.9	616.3
37.5°	1559.6	1364.1	842.4	560.4	532.8	554.3	568.0	570.5	576.2	572.1	569.1
40°	1639.7	1389.5	742.1	500.0	503.2	536.0	544.9	534.8	524.5	523.1	519.0
42.5°	1709.5	1398.0	640.8	451.7	472.1	516.7	522.2	501.2	482.6	473.9	470.3
45°	1783.2	1401.0	546.3	411.2	442.1	499.6	505.5	477.4	451.3	432.5	426.3
47.5°	1879.5	1422.5	472.8	381.3	419.2	488.1	496.6	458.4	424.5	397.7	392.0
50°	2005.6	1465.1	413.1	358.4	404.4	480.6	490.2	439.8	402.5	370.3	364.6
52.5°	2145.7	1504.2	364.8	339.8	390.0	467.3	481.9	426.6	381.9	344.9	338.7
55°	2243.6	1474.2	325.9	320.6	371.2	448.3	470.5	415.4	352.4	320.2	314.7
57.5°	2262.4	1371.7	296.4	300.7	348.5	424.5	452.9	390.4	336.4	309.4	303.7
60°	2211.1	1228.9	274.4	282.4	324.3	394.5	419.9	372.8	321.1	298.0	293.2
62.5°	2082.3	1082.7	258.1	265.9	301.6	364.1	399.3	354.3	305.5	284.9	280.1
65°	1822.1	909.0	242.6	251.3	280.6	337.8	380.8	337.1	290.2	274.4	269.8
67.5°	1375.4	680.8	227.9	235.7	261.8	314.9	360.7	320.2	275.3	265.2	259.7
70°	809.9	426.3	211.2	219.5	242.1	291.1	339.1	301.6	256.8	252.2	245.1
72.5°	376.9	256.5	192.2	200.2	217.4	259.3	311.5	277.4	234.8	224.7	215.1
75°	*225.0*	*187.7*	*169.8*	*176.9*	*189.0*	*225.4*	*276.7*	*252.6*	*214.0*	*200.7*	*190.6*
77.5°	168.2	143.5	145.1	152.6	162.5	197.3	245.1	233.2	198.0	187.7	180.8
80°	121.1	108.9	118.3	126.6	136.8	179.4	234.8	215.6	179.0	165.2	158.8
82.5°	80.8	78.3	89.0	97.5	107.6	157.0	220.6	188.8	152.9	135.5	121.3
85°	44.6	47.1	60.0	63.6	72.3	110.5	180.8	151.7	115.1	92.7	88.6
87.5°	18.5	21.7	32.3	31.1	38.4	65.9	119.0	91.5	73.2	54.7	42.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

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

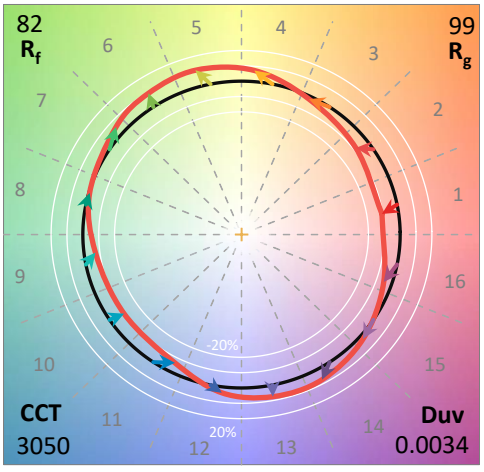
Test Information

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

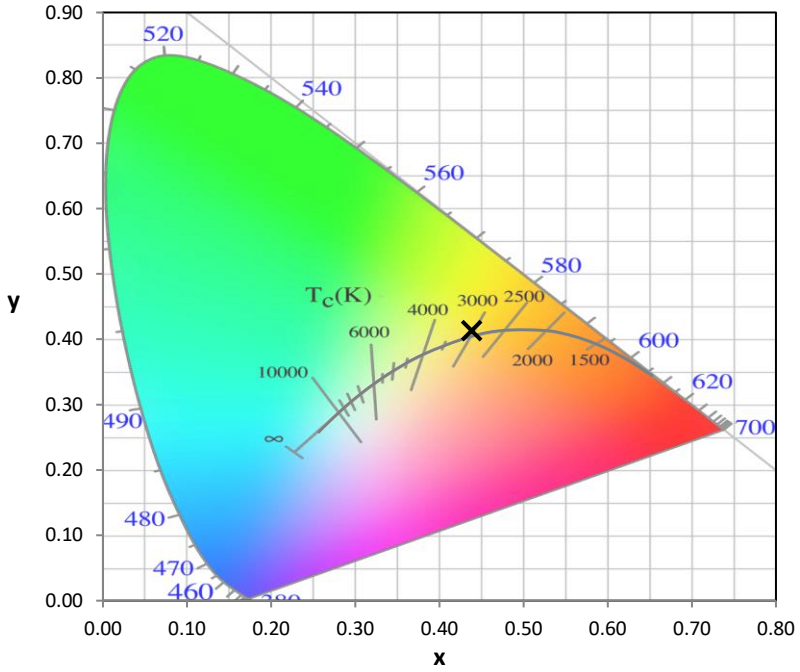
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

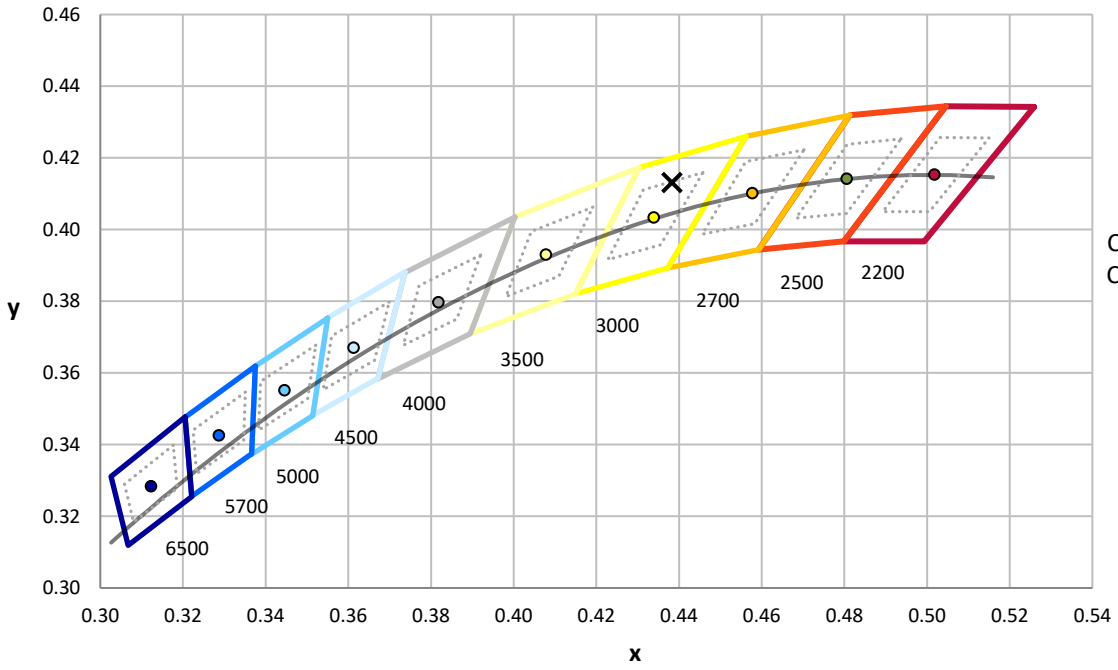
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

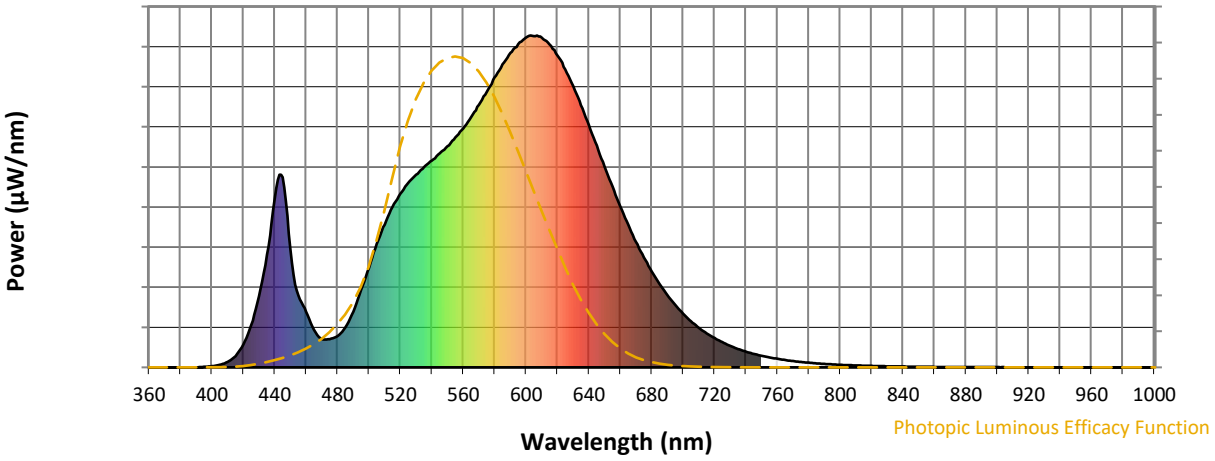


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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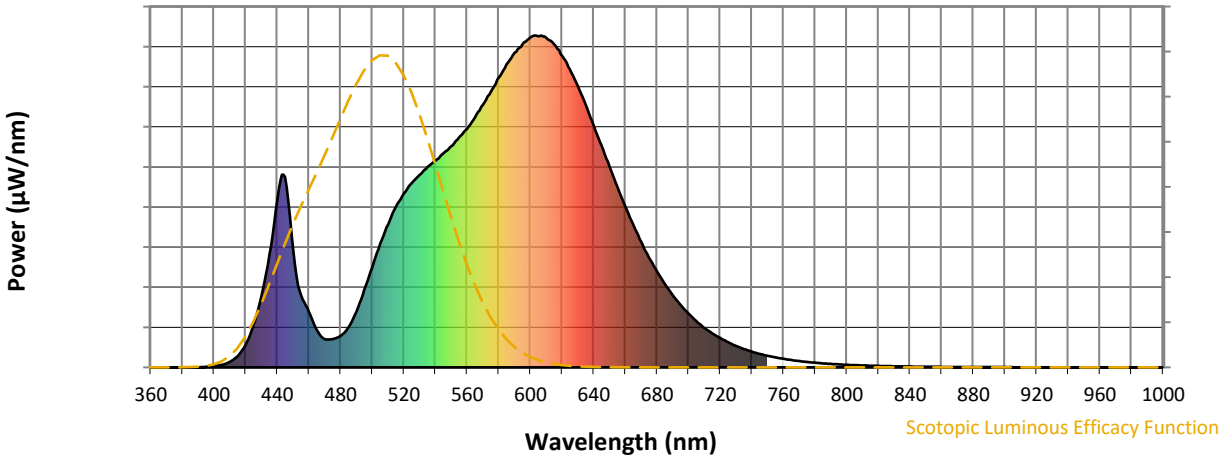
Scotopic Flux vs. Wavelength



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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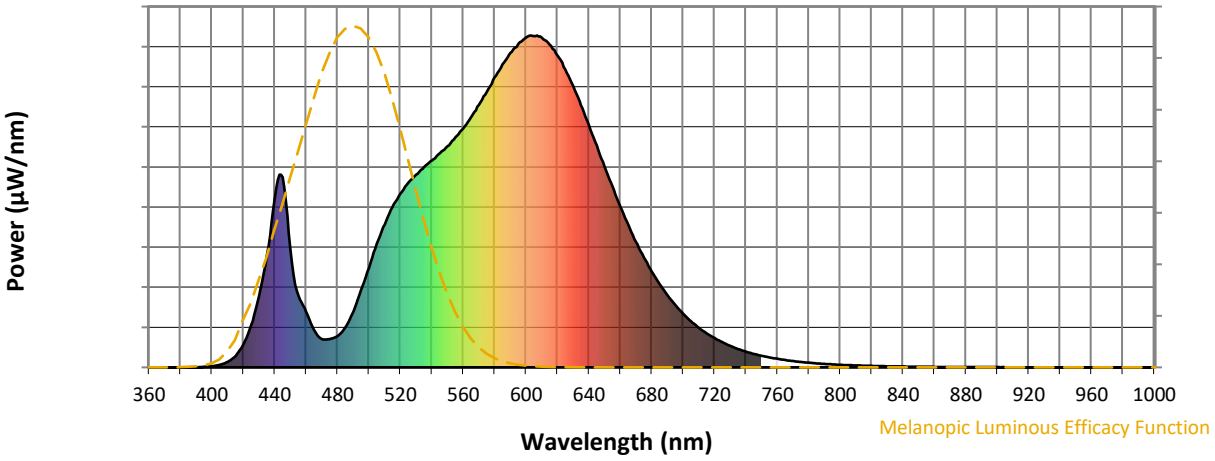
Melanopic Flux vs. Wavelength



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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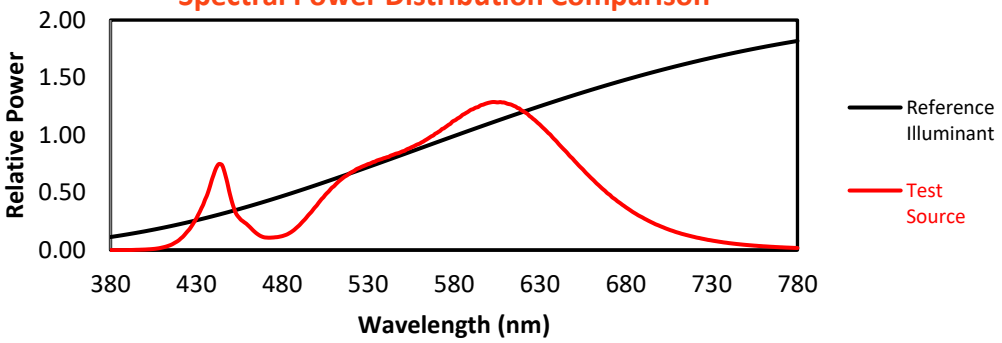
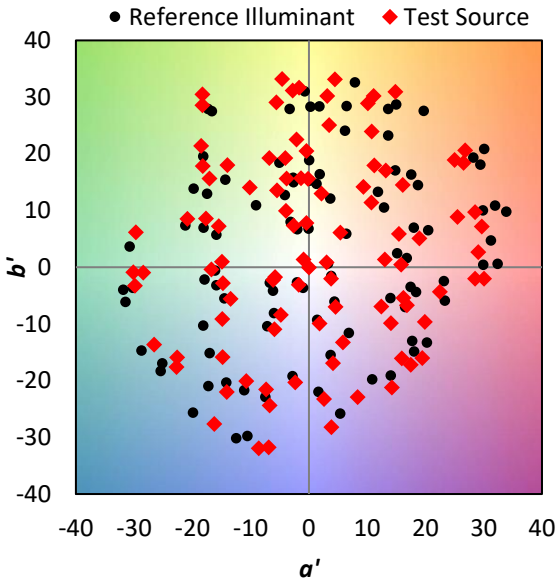
Summary

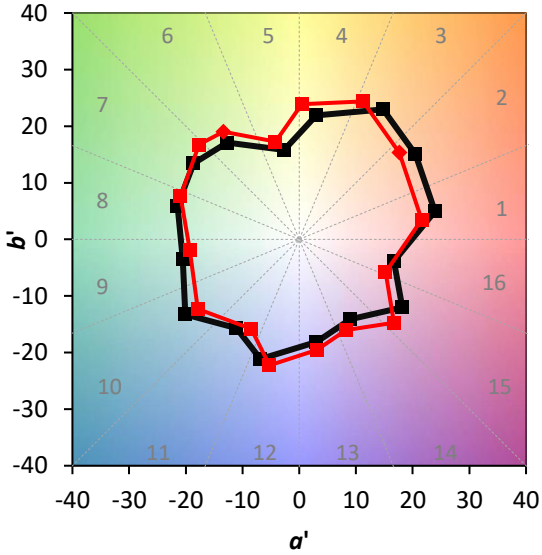
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

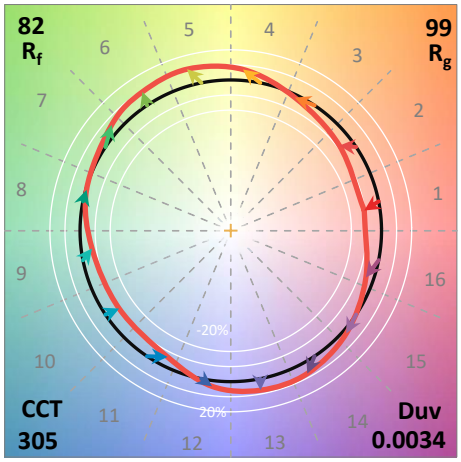
Spectral Power Distribution Comparison

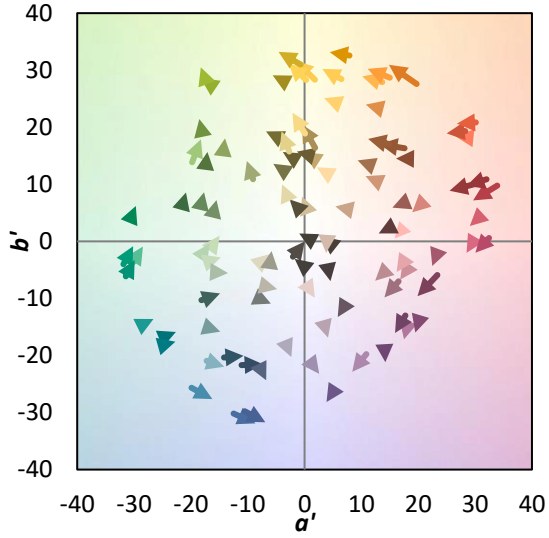


Color Vector Graphics









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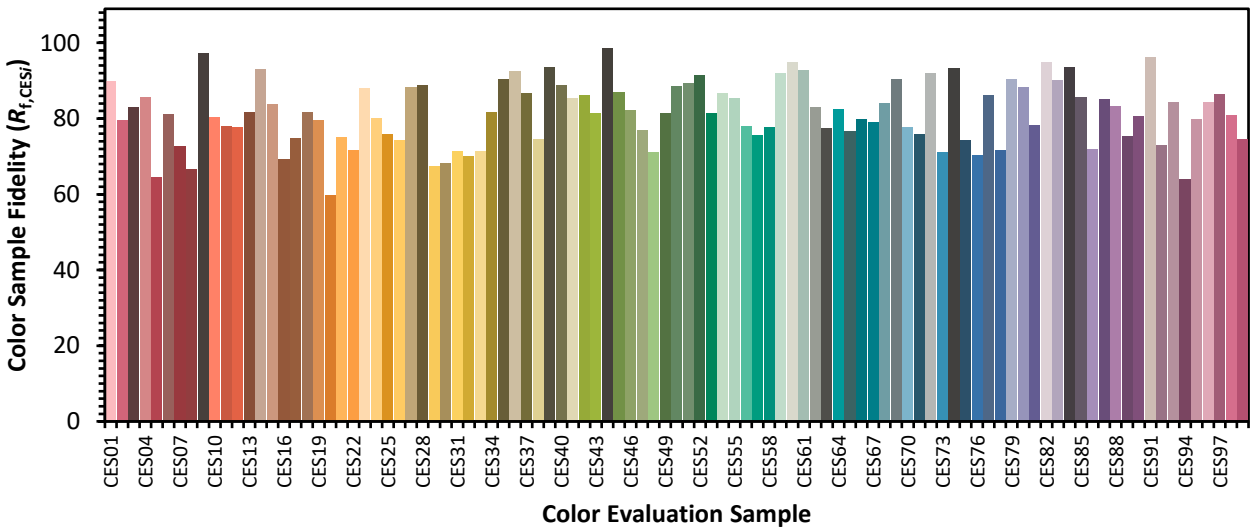
Individual Sample Fidelity Index ($R_{f,i}$)

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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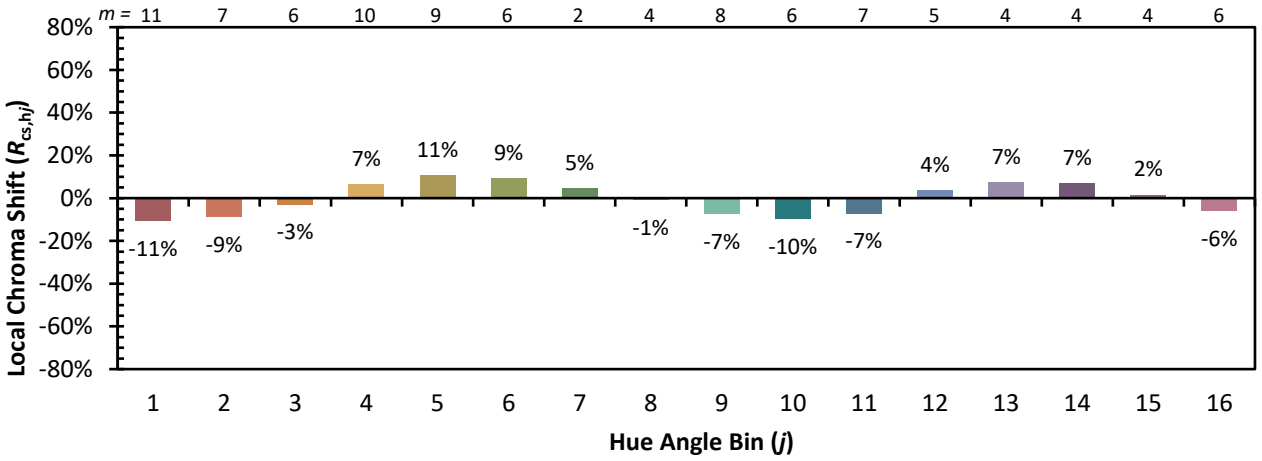
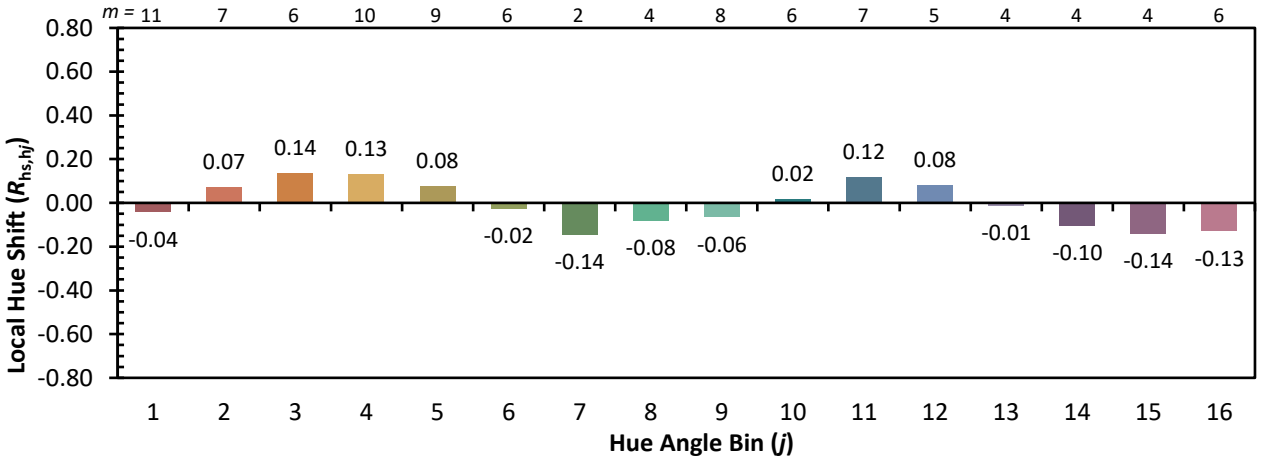
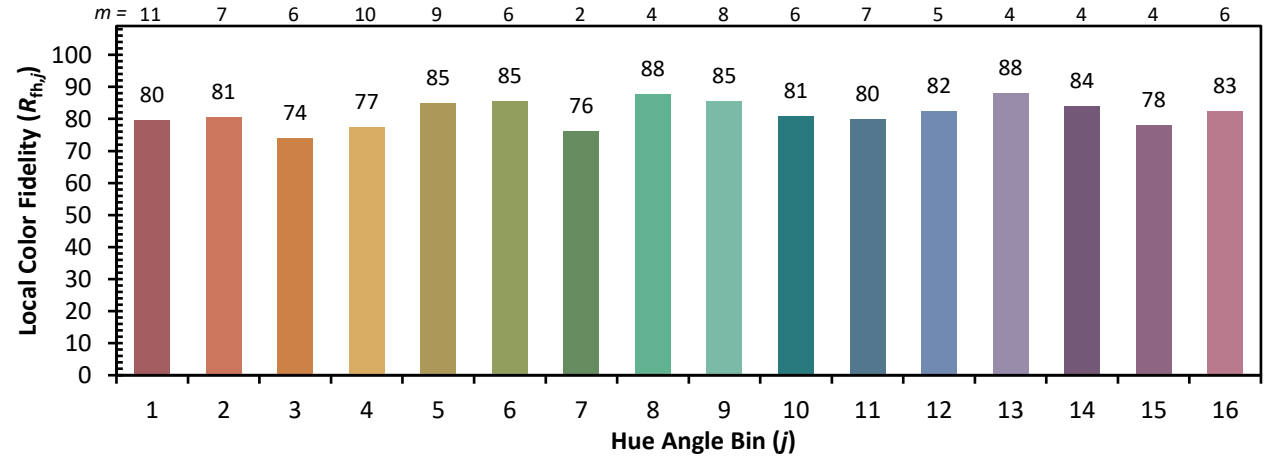
Color Rendition by Hue-Angle Bin







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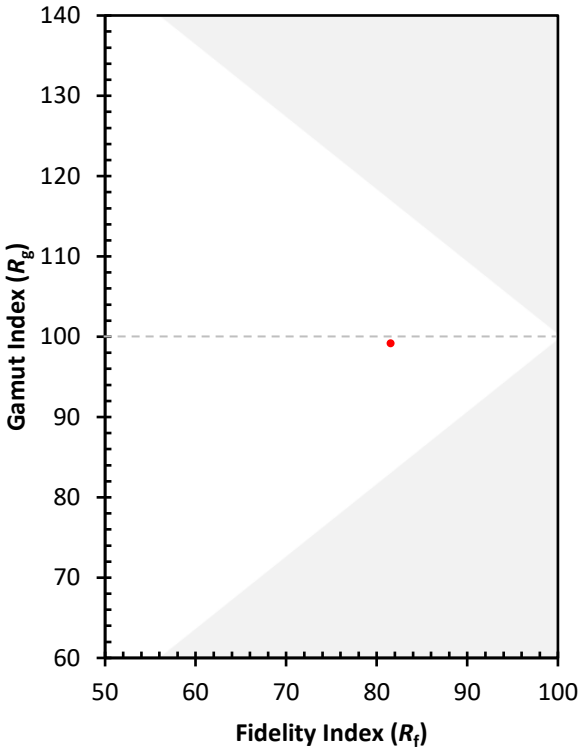
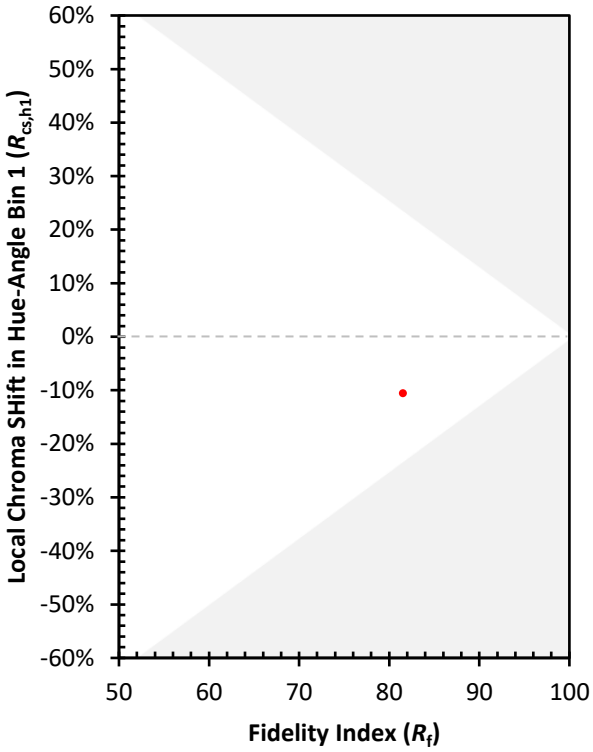
Measure Comparisons





(END OF REPORT)