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: P386740

Luminaire Tested: **GPC-SA2B-830-U-T4W-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:	P386740
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2B-830-U-T4W-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6869 lumens
Efficiency:	N/A
Efficacy:	80.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	85
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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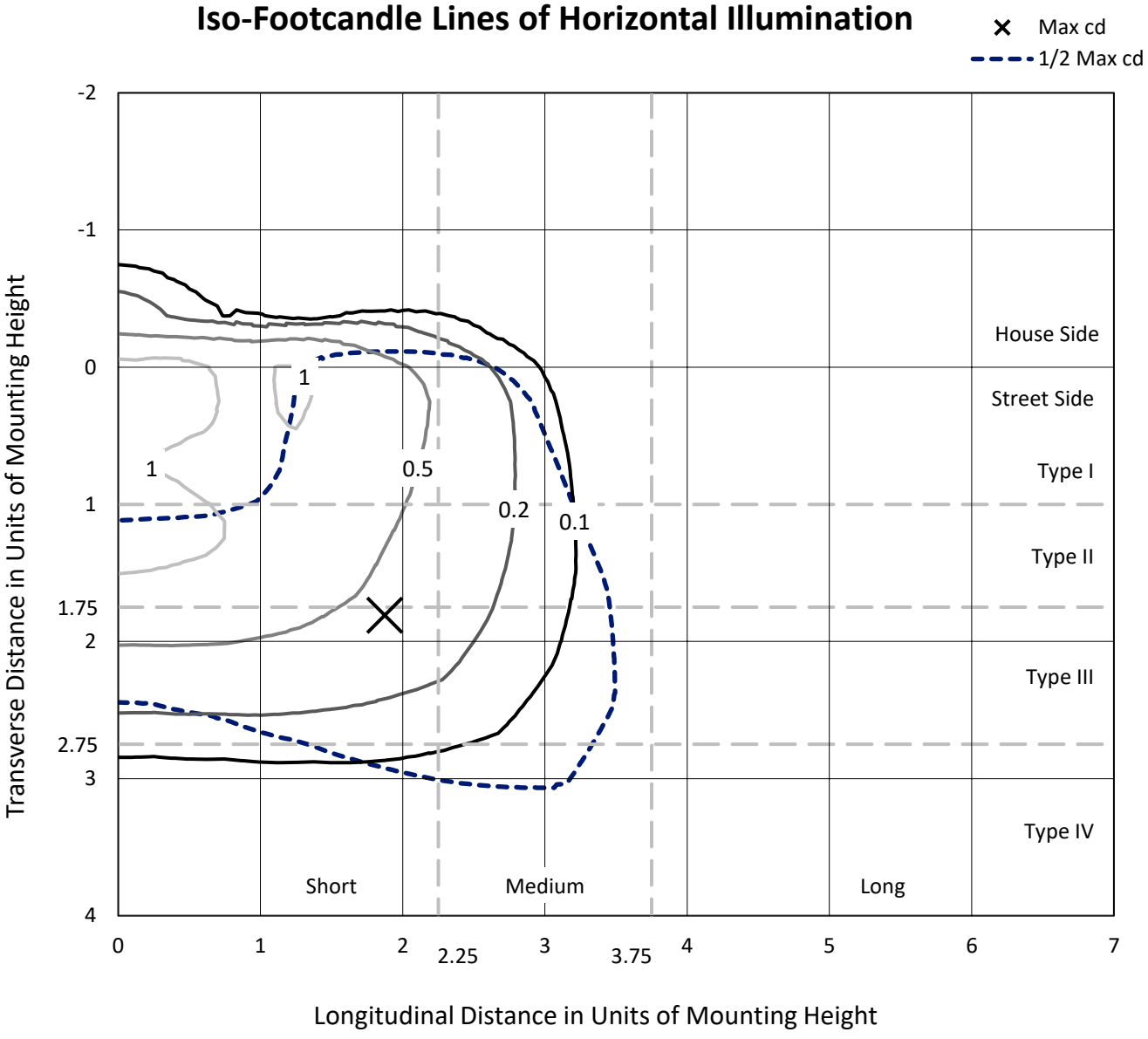
Scaled Data Report

REPORT NUMBER: P386740
CATALOG NUMBER: GPC-SA2B-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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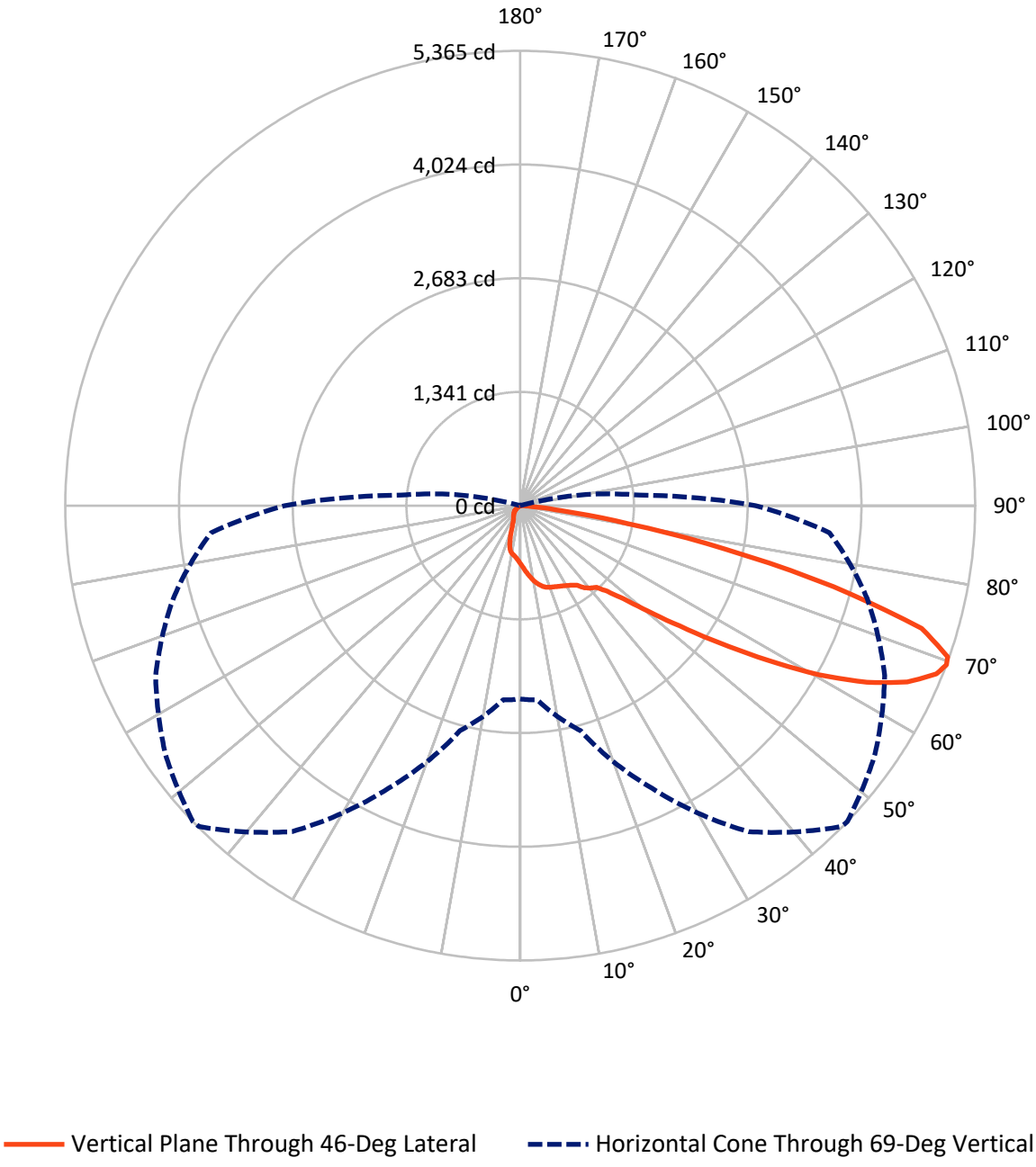
Luminous Intensity Polar Plot



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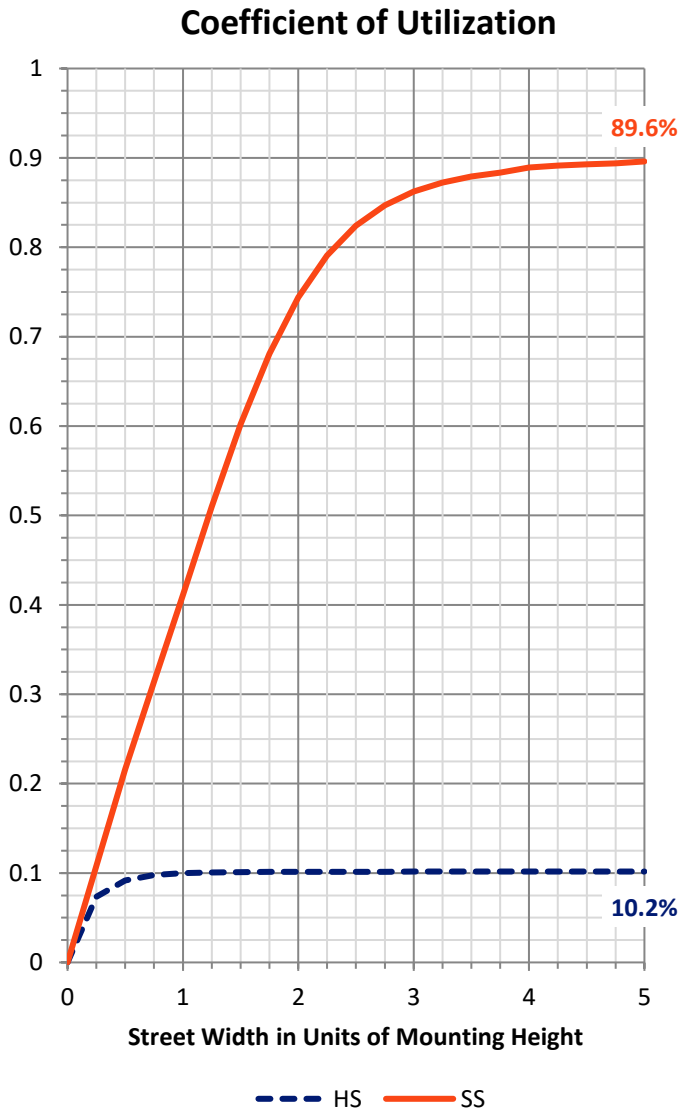
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	704.9	0.0	704.9
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	6164.0	0.0	6164.0
	% Fixture	89.7	0.0	89.7
Total	Lumens	6869.0	0.0	6869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.0
10°-20°	207.8	3.0
20°-30°	326.8	4.8
30°-40°	468.7	6.8
40°-50°	810.1	11.8
50°-60°	1600.4	23.3
60°-70°	2236.7	32.6
70°-80°	1080.6	15.7
80°-90°	69.4	1.0
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°	6869.0	100.0
0°-180°	6869.0	100.0



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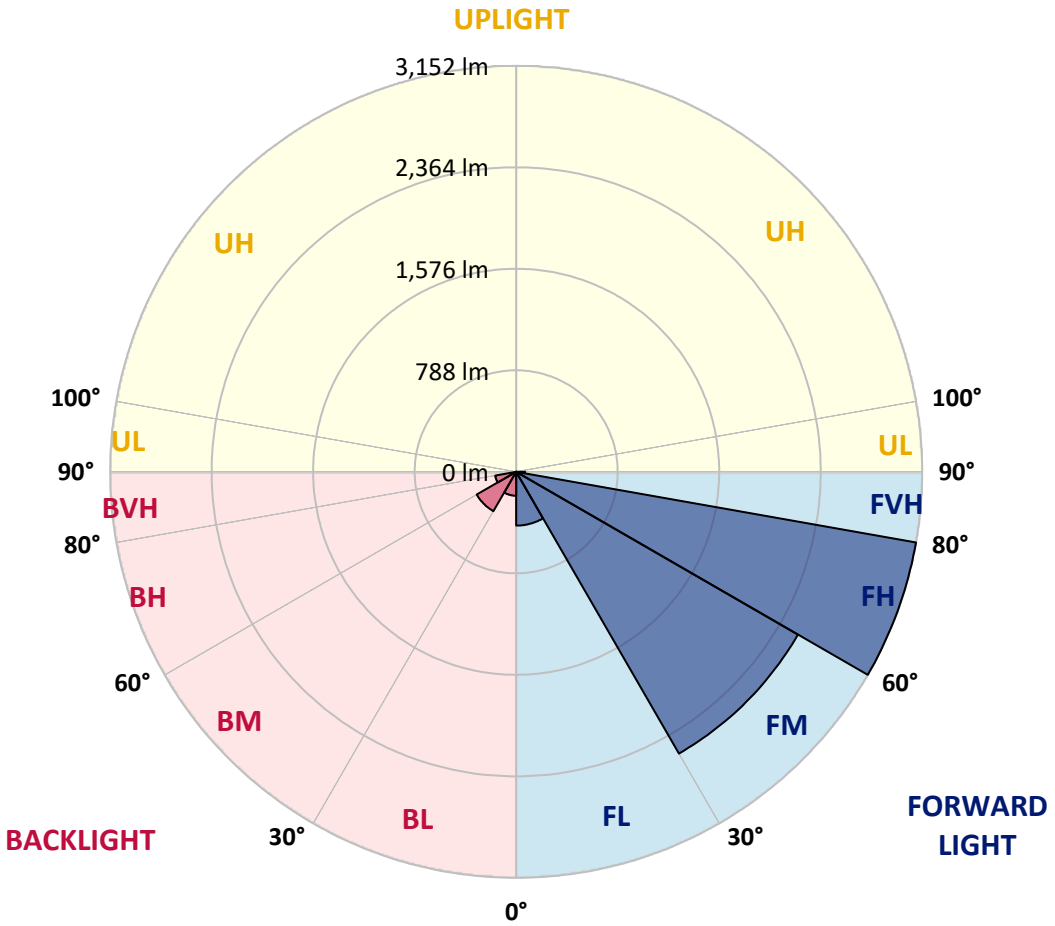
REPORT NUMBER: P386740
CATALOG NUMBER: GPC-SA2B-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	417.4	6.1			
FM	(30°-60°)	2525.9	36.8			
FH	(60°-80°)	3151.9	45.9			G2/5000
FVH	(80°-90°)	68.9	1.0			G1/100
BL	(0°-30°)	185.8	2.7	B1/500		
BM	(30°-60°)	353.3	5.1	B1/1000		
BH	(60°-80°)	165.3	2.4	B1/500		G1/500
BVH	(80°-90°)	0.6	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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Scaled Data Report

REPORT NUMBER: P386740
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	688.2	688.2	688.2	688.2	688.2	688.2	*688.2*	688.2	688.2	688.2	688.2
2.5°	764.6	763.6	759.1	757.2	746.2	739.8	*737.2*	729.2	717.6	706.0	693.1
5°	851.5	851.2	842.8	834.8	814.2	794.9	*791.3*	772.6	746.5	722.1	697.6
7.5°	940.4	936.2	927.9	912.4	882.5	851.5	*848.6*	822.2	785.2	749.8	714.7
10°	1015.8	1013.2	1002.3	978.7	943.6	908.5	*905.0*	872.5	830.6	787.1	742.4
12.5°	1074.4	1072.5	1058.0	1028.7	991.3	954.9	*950.1*	921.1	876.3	827.7	774.9
15°	1110.2	1109.2	1091.5	1060.2	1023.5	992.0	*987.8*	962.3	920.8	869.9	810.3
17.5°	1118.5	1118.8	1100.5	1068.9	1038.7	1016.1	*1012.9*	993.6	958.8	908.2	845.7
20°	1099.8	1103.7	1087.3	1059.9	1041.2	1029.3	*1026.7*	1015.1	985.8	938.2	874.1
22.5°	1073.4	1075.4	1064.1	1045.7	1038.0	1040.3	*1039.0*	1032.5	1007.7	963.9	902.1
25°	1057.3	1057.3	1050.6	1035.1	1040.3	1054.1	*1054.4*	1053.1	1033.5	995.5	936.2
27.5°	1056.7	1054.8	1047.0	1035.4	1049.6	1070.9	*1072.1*	1080.8	1068.6	1033.8	978.7
30°	1082.5	1080.2	1063.8	1048.6	1066.7	1089.5	*1092.8*	1111.8	1105.6	1075.4	1026.1
32.5°	1142.7	1134.6	1098.2	1073.4	1087.0	1114.3	*1118.5*	1148.8	1158.5	1126.6	1071.8
35°	1225.1	1199.7	1147.2	1120.5	1121.7	1150.4	*1154.3*	1198.7	1227.4	1173.6	1107.3
37.5°	1338.8	1326.3	1240.9	1169.4	1175.2	1218.7	*1230.0*	1278.3	1270.2	1199.4	1147.5
40°	1588.1	1568.4	1477.6	1306.6	1226.4	1274.1	*1277.6*	1303.4	1304.0	1257.7	1231.2
42.5°	1927.5	1919.5	1823.8	1555.6	1327.2	1311.1	*1317.6*	1361.0	1409.7	1380.7	1379.4
45°	2303.4	2299.2	2197.8	1886.0	1531.1	1432.5	*1440.6*	1498.9	1592.0	1598.4	1639.3
47.5°	2605.8	2603.9	2545.6	2254.8	1843.2	1638.3	*1640.9*	1702.7	1866.4	1947.2	2012.6
50°	2881.5	2890.8	2844.8	2653.8	2268.3	1960.7	*1954.6*	1995.8	2258.6	2391.0	2472.2
52.5°	3264.8	3278.0	3148.8	3026.1	2714.3	2360.7	*2355.9*	2399.0	2730.1	2829.3	2843.8
55°	3603.2	3580.7	3478.6	3443.2	3258.3	2854.8	*2853.5*	2891.5	3186.2	3228.4	3255.1
57.5°	3752.7	3744.0	3793.3	3874.4	3828.0	3438.7	*3435.8*	3406.8	3594.2	3598.7	3680.9
60°	3847.0	3857.7	4008.7	4259.0	4374.6	4067.0	*4048.3*	3871.5	3983.9	3973.9	4061.9
62.5°	3776.2	3797.1	4068.9	4486.0	4783.6	4615.5	*4589.1*	4297.3	4316.9	4282.5	4364.3
65°	3400.0	3432.5	3878.0	4443.2	4986.5	5044.1	*5017.4*	4673.1	4581.3	4524.7	4479.2
67.5°	2760.7	2780.0	3245.1	4070.6	4895.0	5299.9	*5294.4*	5002.6	4781.0	4483.8	4131.4
69°	*2281.5*	*2300.5*	*2748.2*	*3678.3*	*4693.7*	*5354.6*	*5365.2*	*5108.2*	*4743.0*	*4235.1*	*3660.6*
70°	1932.4	1952.7	2369.7	3342.0	4460.2	5329.2	*5348.2*	5098.3	4634.2	3947.2	3247.4
72.5°	1013.5	1030.9	1458.9	2302.4	3636.1	4893.4	*4951.1*	4667.3	3928.2	2866.7	1920.1
75°	318.5	328.5	569.7	1203.5	2489.5	3804.8	*3818.1*	3661.2	2789.4	1576.8	799.7
77.5°	121.4	118.5	189.7	443.5	1258.6	2395.8	*2476.7*	2287.9	1463.8	557.5	184.5
80°	65.4	65.7	98.6	183.6	538.5	1231.2	*1299.5*	1108.9	520.1	173.9	42.5
82.5°	28.3	29.6	55.4	97.3	247.3	454.1	*488.2*	406.4	198.7	116.9	15.8
85°	6.1	6.8	26.7	52.8	100.8	127.5	*133.7*	131.7	126.6	90.8	6.1
87.5°	0.0	0.0	11.9	19.0	25.4	29.0	*25.4*	33.2	69.9	61.2	3.2
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: P386740
CATALOG NUMBER: GPC-SA2B-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2	688.2
2.5°	688.9	683.1	673.1	662.2	654.4	646.4	639.9	637.0	633.8	631.6	634.5
5°	687.6	676.3	657.0	638.3	624.8	613.9	604.8	601.3	597.7	595.2	594.8
7.5°	698.9	683.1	653.5	626.1	605.2	590.3	578.1	572.9	568.8	566.8	565.2
10°	720.5	700.2	660.6	624.8	597.7	572.6	546.2	525.9	512.7	506.6	504.4
12.5°	748.5	723.0	674.1	631.6	592.3	544.0	487.9	439.6	408.4	398.1	392.0
15°	781.3	749.8	691.8	640.3	572.3	484.1	389.1	325.9	296.9	291.1	284.7
17.5°	812.9	778.1	713.0	641.9	528.5	386.8	285.0	242.2	230.9	234.8	235.7
20°	840.6	806.1	734.0	627.7	449.0	290.2	220.6	210.0	214.2	221.6	222.9
22.5°	868.6	833.2	753.3	590.3	347.2	220.3	198.7	201.3	205.5	212.9	214.2
25°	902.7	866.0	771.3	521.7	260.5	187.4	188.7	192.6	196.8	203.5	204.2
27.5°	942.0	907.6	783.3	432.5	193.2	172.3	176.5	182.3	186.5	192.9	194.2
30°	994.2	962.3	787.1	340.1	162.0	158.8	160.7	167.8	173.9	179.7	180.7
32.5°	1043.2	1016.4	774.2	256.7	150.1	146.2	146.2	150.4	157.5	163.0	164.3
35°	1088.3	1070.9	733.0	187.8	141.1	134.6	131.4	131.4	135.9	140.4	141.7
37.5°	1147.8	1147.2	666.3	149.8	132.4	125.0	118.2	113.0	111.4	112.4	113.0
40°	1249.9	1250.9	579.4	134.3	125.0	115.0	104.7	95.3	86.6	83.7	83.4
42.5°	1409.3	1394.9	488.2	126.9	118.5	104.7	89.2	76.7	63.1	58.9	58.6
45°	1662.5	1576.5	391.6	120.1	111.8	93.1	73.8	56.7	45.7	42.5	42.5
47.5°	2031.2	1815.1	303.4	112.7	102.7	79.9	55.7	40.9	33.5	31.9	32.2
50°	2412.6	2049.0	232.5	103.4	91.8	66.0	41.2	29.6	25.4	25.4	25.8
52.5°	2750.7	2220.3	181.3	93.4	78.3	51.9	31.2	23.2	21.3	20.9	21.3
55°	3067.3	2330.8	138.8	81.8	62.2	38.6	23.8	19.0	17.7	17.1	16.7
57.5°	3372.6	2385.5	104.0	66.0	45.1	28.0	19.0	16.1	14.8	13.8	13.5
60°	3575.9	2341.1	71.5	48.6	31.2	20.3	15.8	13.8	12.2	11.3	11.0
62.5°	3690.5	2219.7	46.1	35.1	22.2	15.1	12.6	11.6	9.3	8.4	8.4
65°	3644.1	2019.3	32.2	25.1	16.1	11.3	9.3	9.3	6.8	5.5	5.2
67.5°	3229.3	1706.0	24.5	18.7	11.6	8.4	7.1	8.1	4.2	2.6	2.6
69°	*2778.4*	*1413.9*	*20.9*	*15.5*	*9.7*	*6.8*	*6.1*	*7.4*	*2.9*	*1.9*	*1.6*
70°	2414.8	1219.7	19.0	13.5	8.1	5.8	5.5	7.1	2.9	1.6	1.3
72.5°	1444.8	680.2	14.5	9.7	5.2	4.5	4.5	8.1	2.9	1.6	1.3
75°	583.9	239.6	10.6	6.8	3.9	3.9	5.5	10.3	2.6	1.3	1.0
77.5°	132.4	52.5	6.1	4.2	2.6	3.9	6.4	8.1	1.6	0.6	0.0
80°	32.2	12.9	3.9	2.6	1.6	2.9	4.8	4.5	0.3	0.0	0.0
82.5°	10.6	4.5	1.6	1.3	0.3	1.0	2.3	1.3	0.0	0.0	0.0
85°	4.5	2.6	0.6	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
87.5°	2.9	1.0	0.0	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

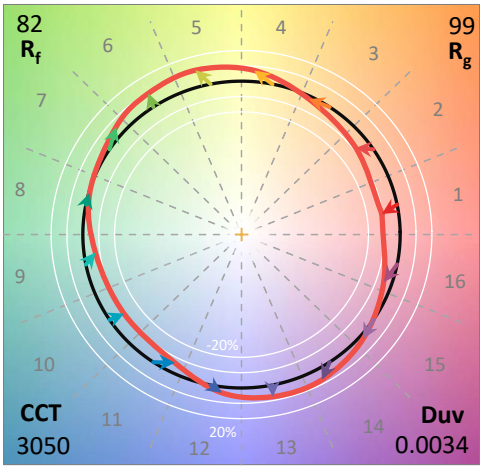
Test Information

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

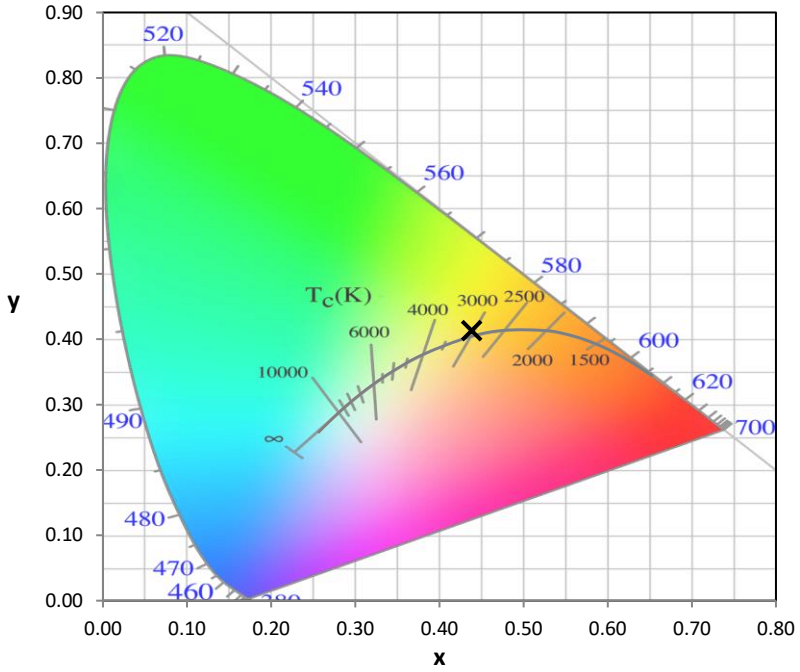
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

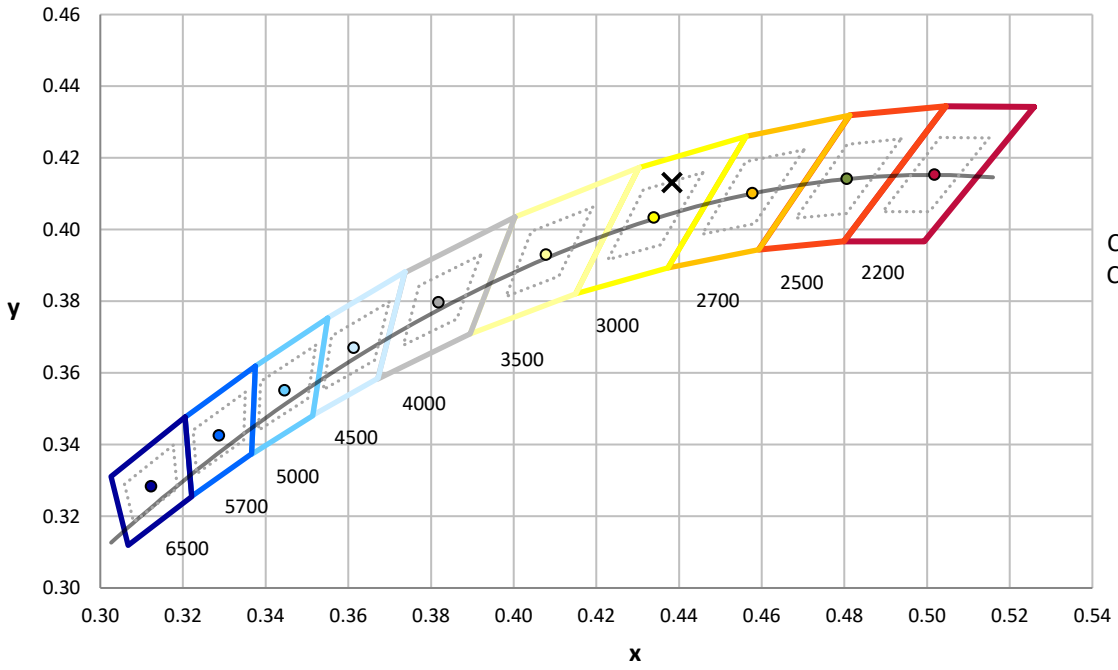
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

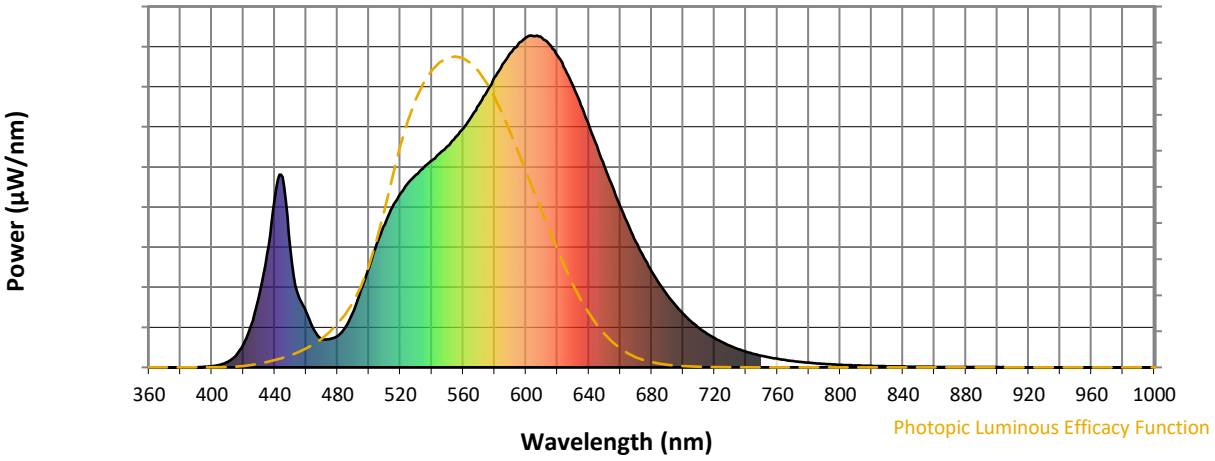


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

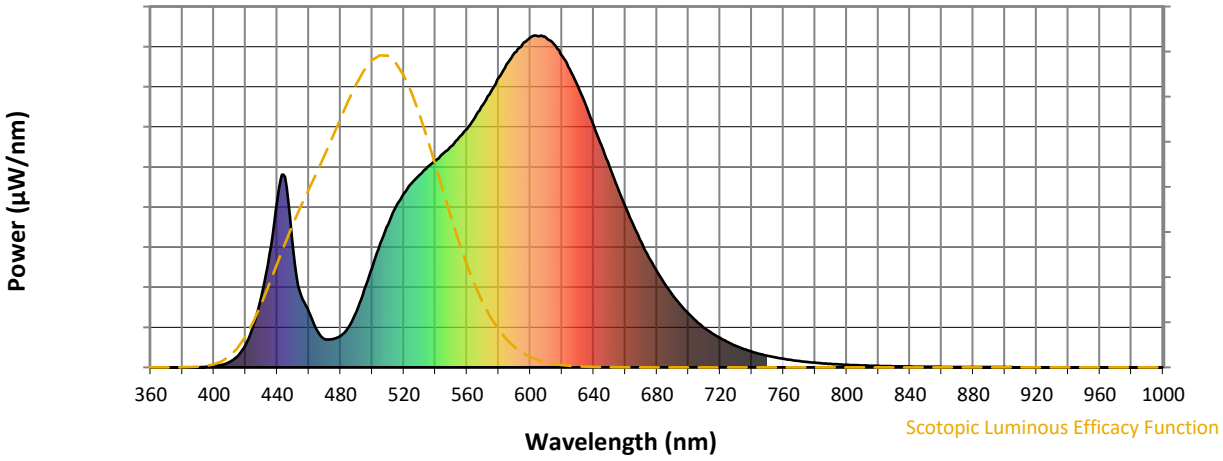


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

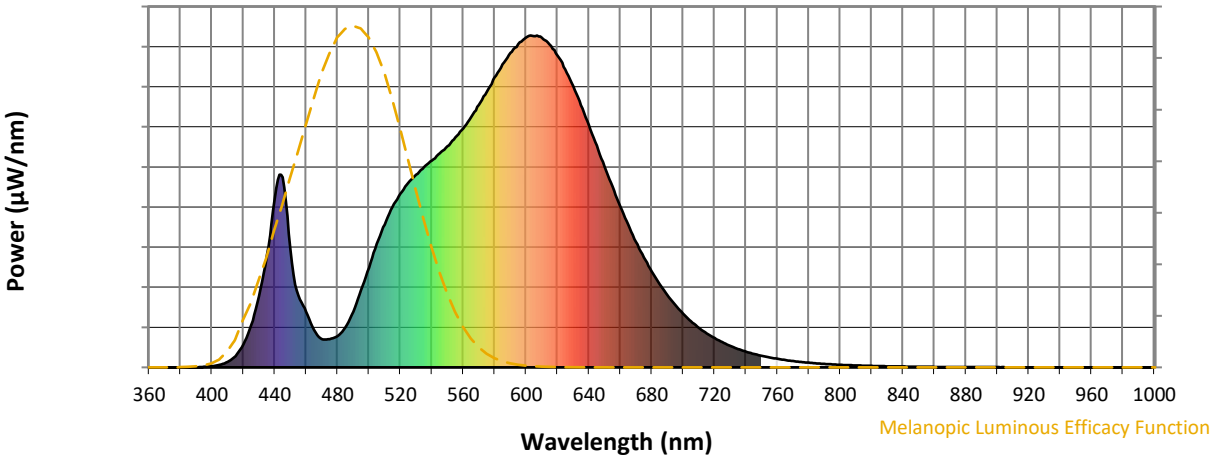


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

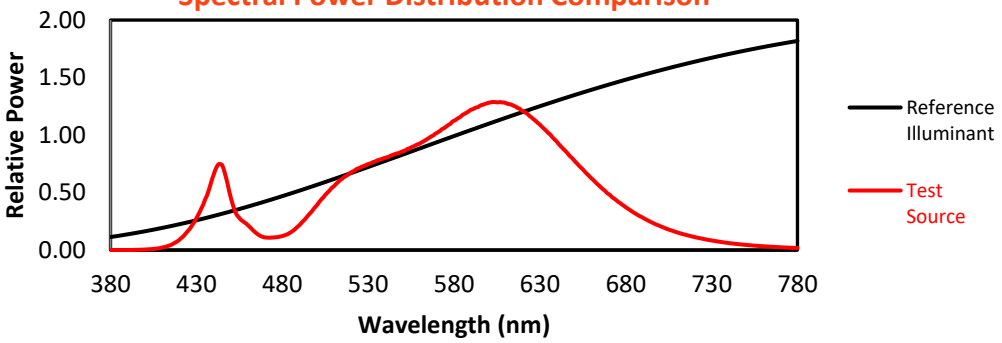
REPORT NUMBER: SP1-2408-195-9

TM-30-18

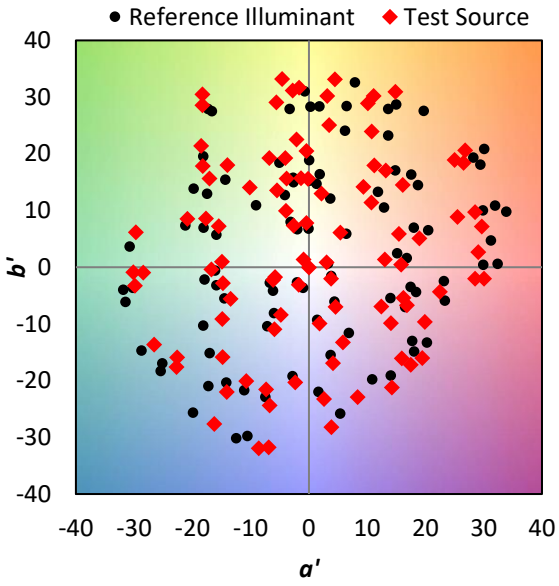
Summary

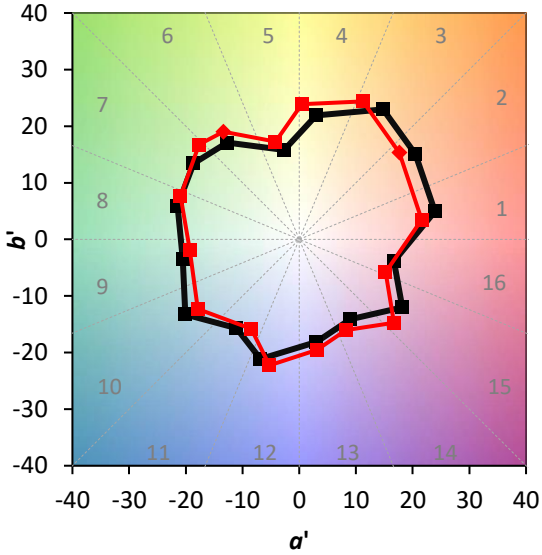
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

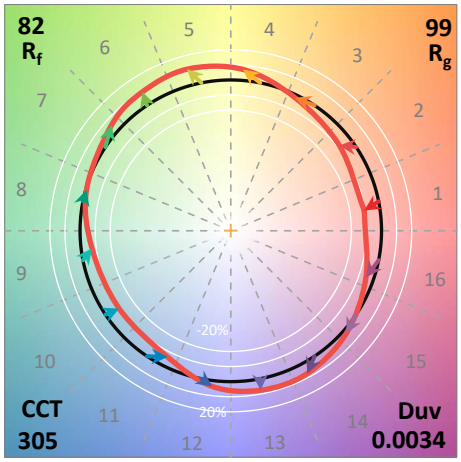
Spectral Power Distribution Comparison

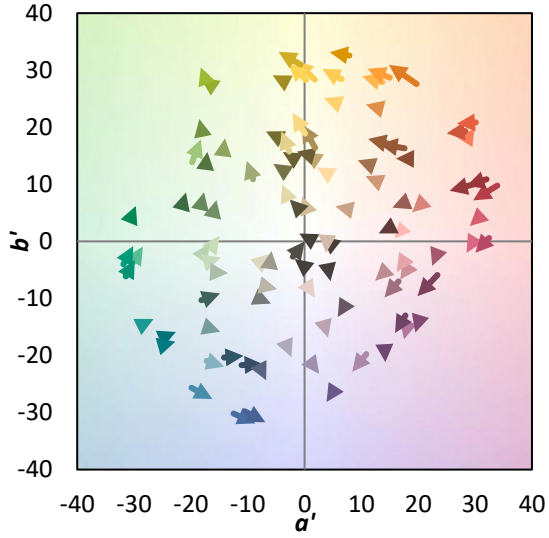


Color Vector Graphics







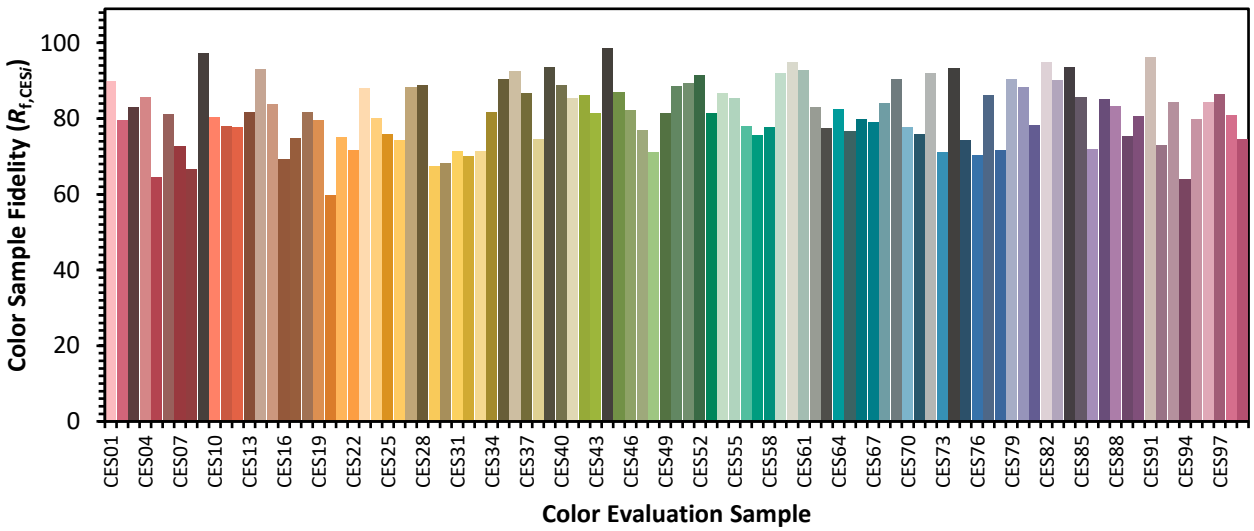


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

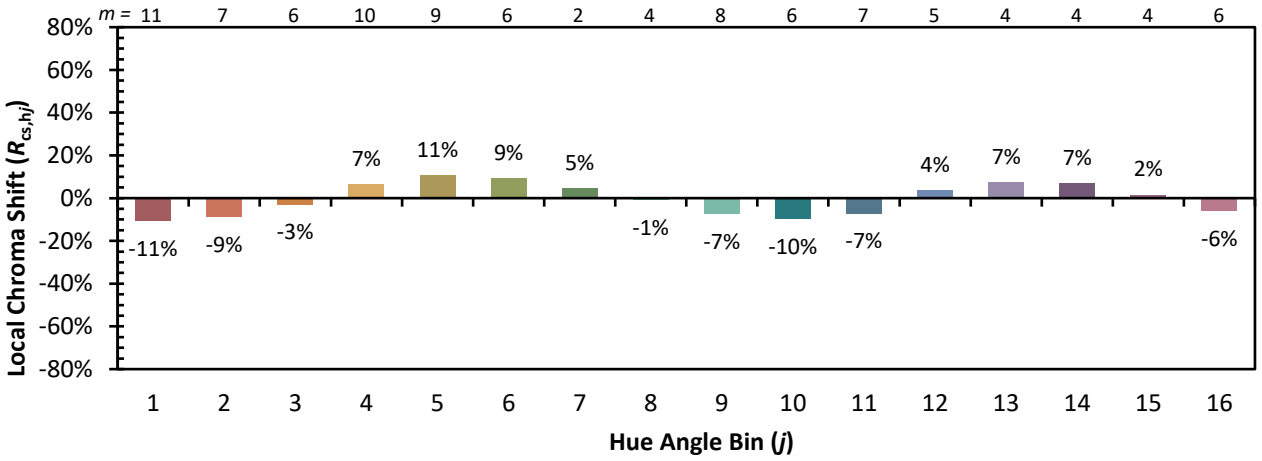
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

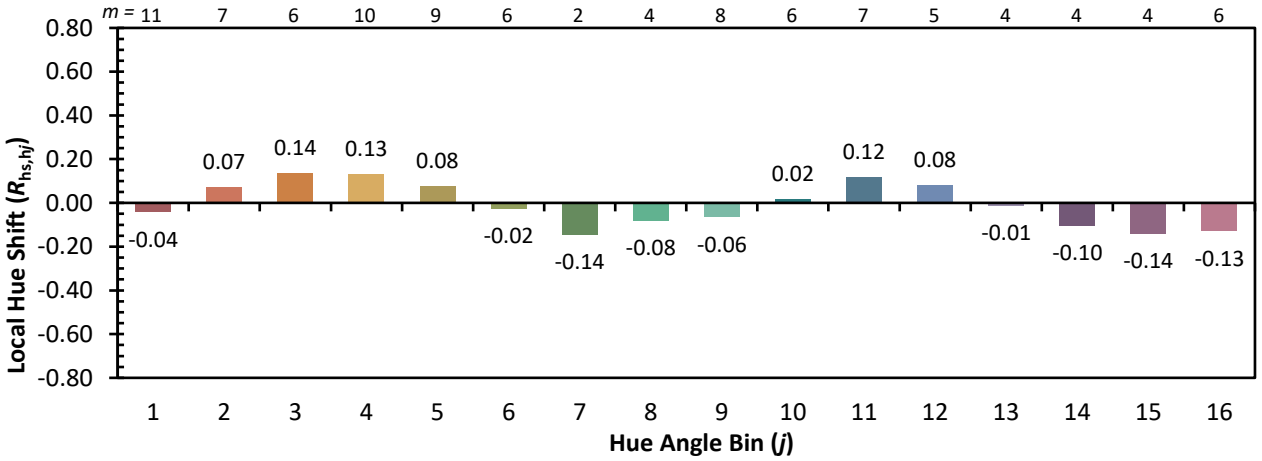


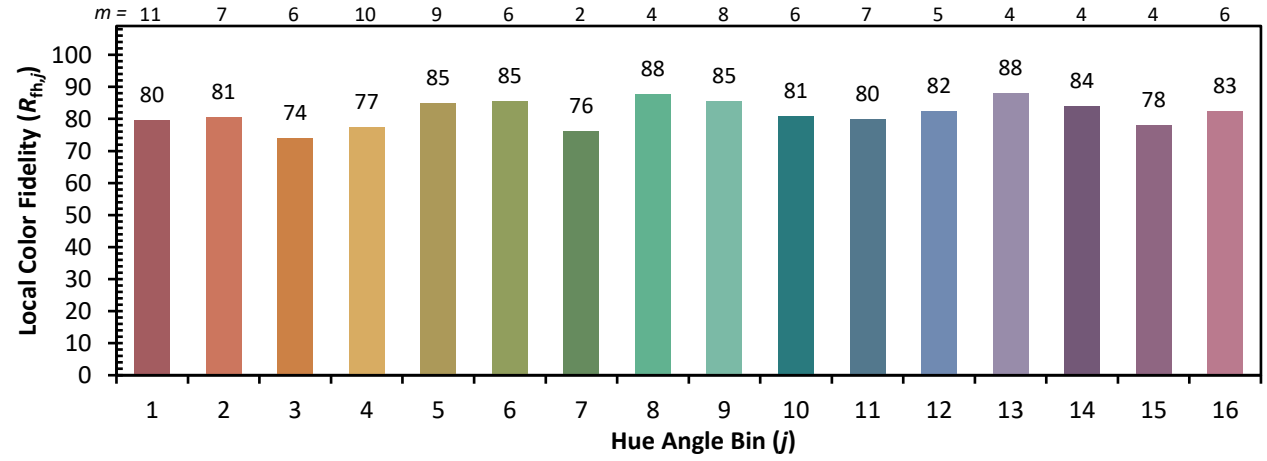
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



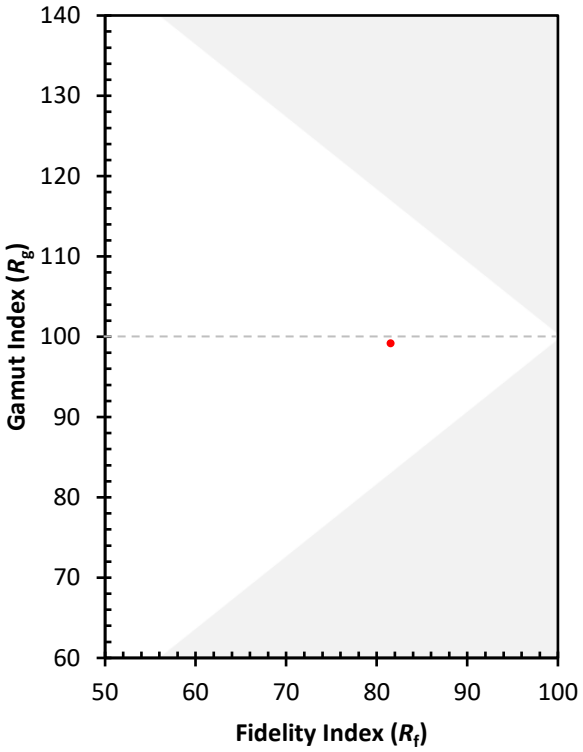


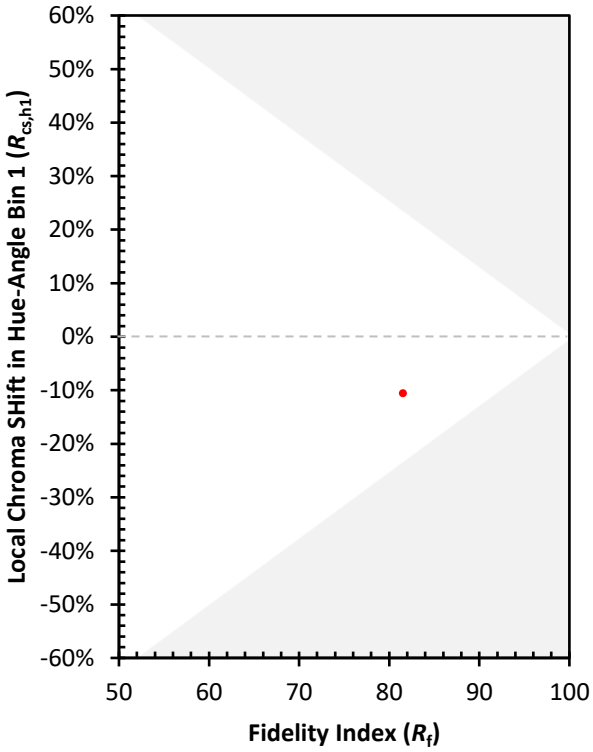


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)