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: P386734

Luminaire Tested: **GPC-SA2B-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:	P386734
	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-SA2B-830-U-T3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6906 lumens
Efficiency:	N/A
Efficacy:	81.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - 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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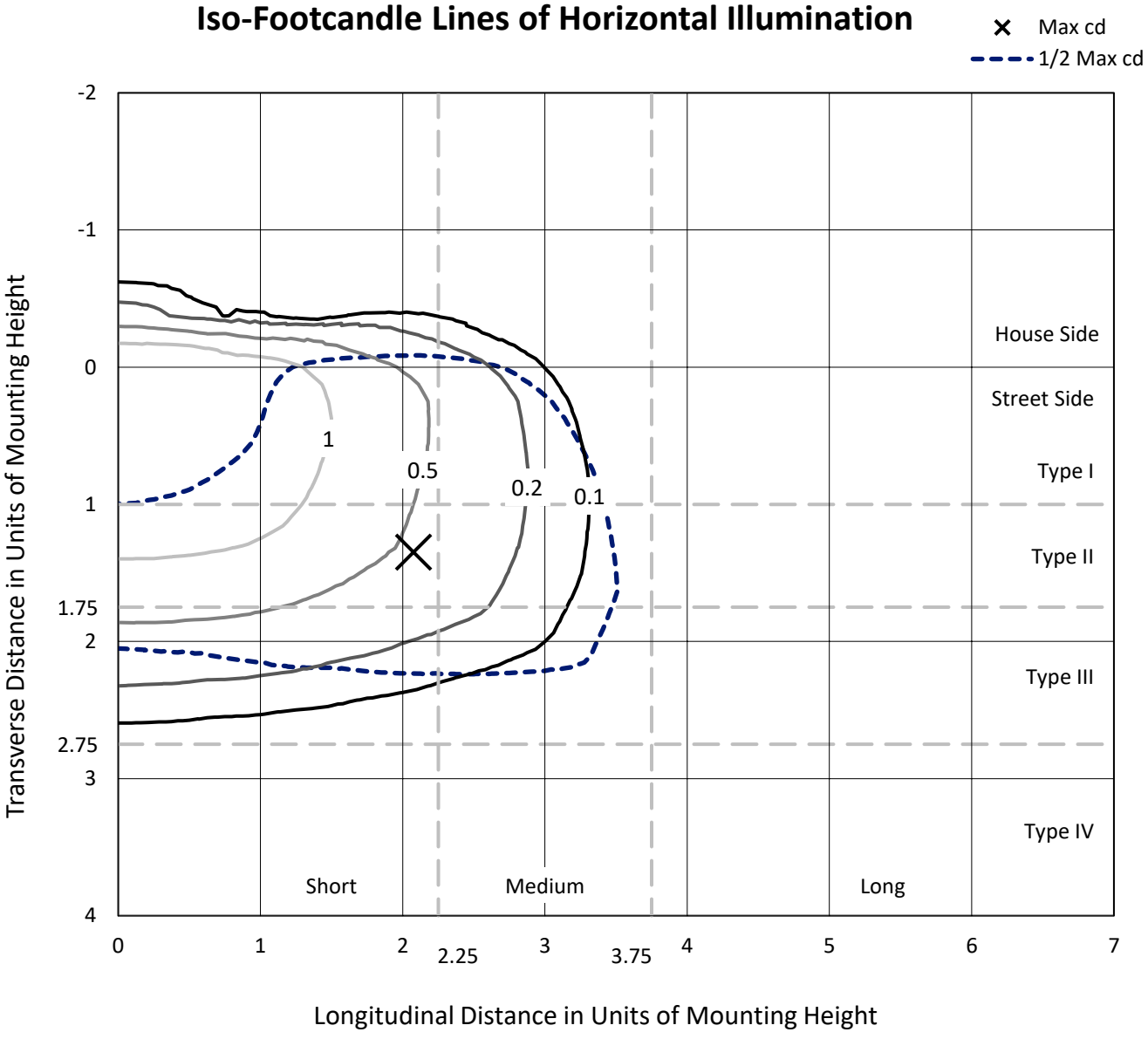
Scaled Data Report

REPORT NUMBER: P386734
CATALOG NUMBER: GPC-SA2B-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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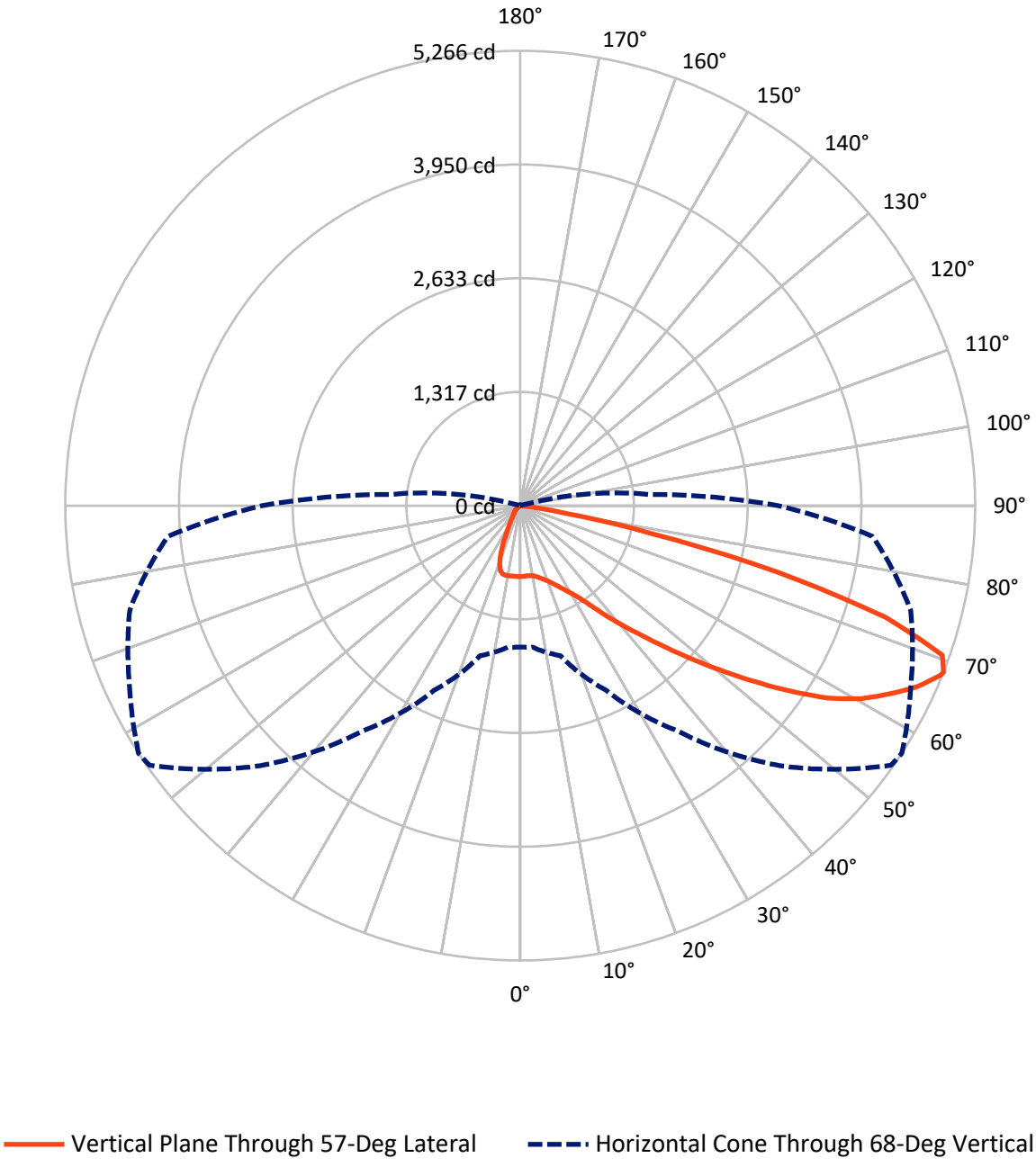
Luminous Intensity Polar Plot



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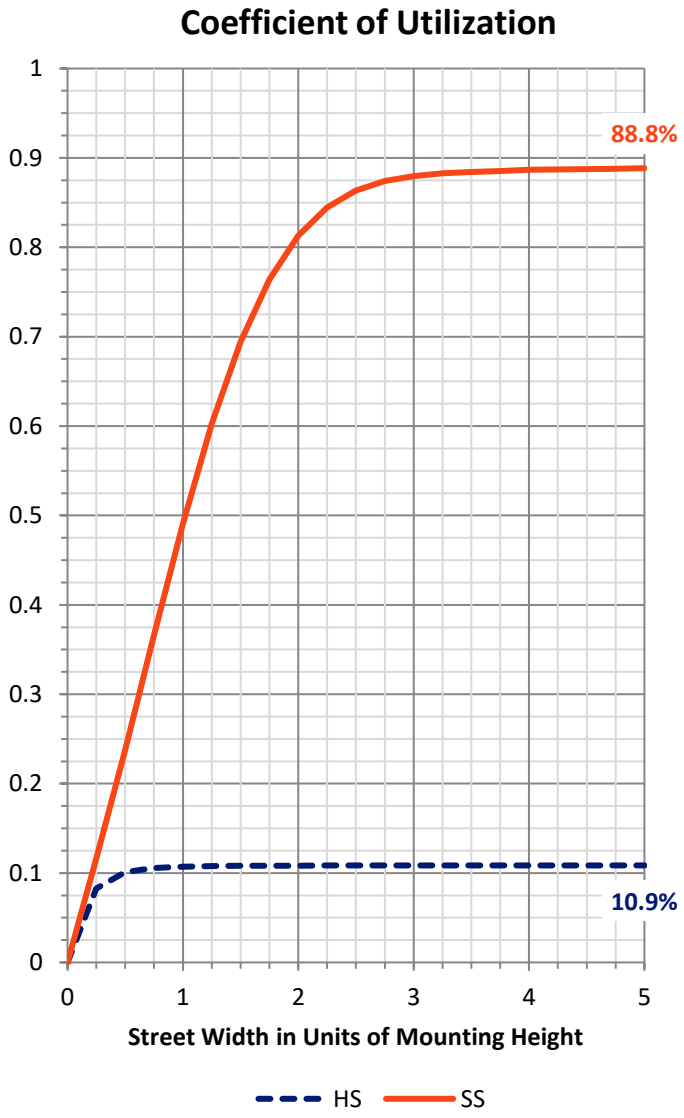
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	757.3	0.0	757.3
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	6148.7	0.0	6148.7
	% Fixture	89.0	0.0	89.0
Total	Lumens	6906.0	0.0	6906.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	1.1
10°-20°	212.8	3.1
20°-30°	367.1	5.3
30°-40°	633.6	9.2
40°-50°	1083.8	15.7
50°-60°	1734.0	25.1
60°-70°	2003.5	29.0
70°-80°	765.6	11.1
80°-90°	28.7	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°	6906.0	100.0
0°-180°	6906.0	100.0



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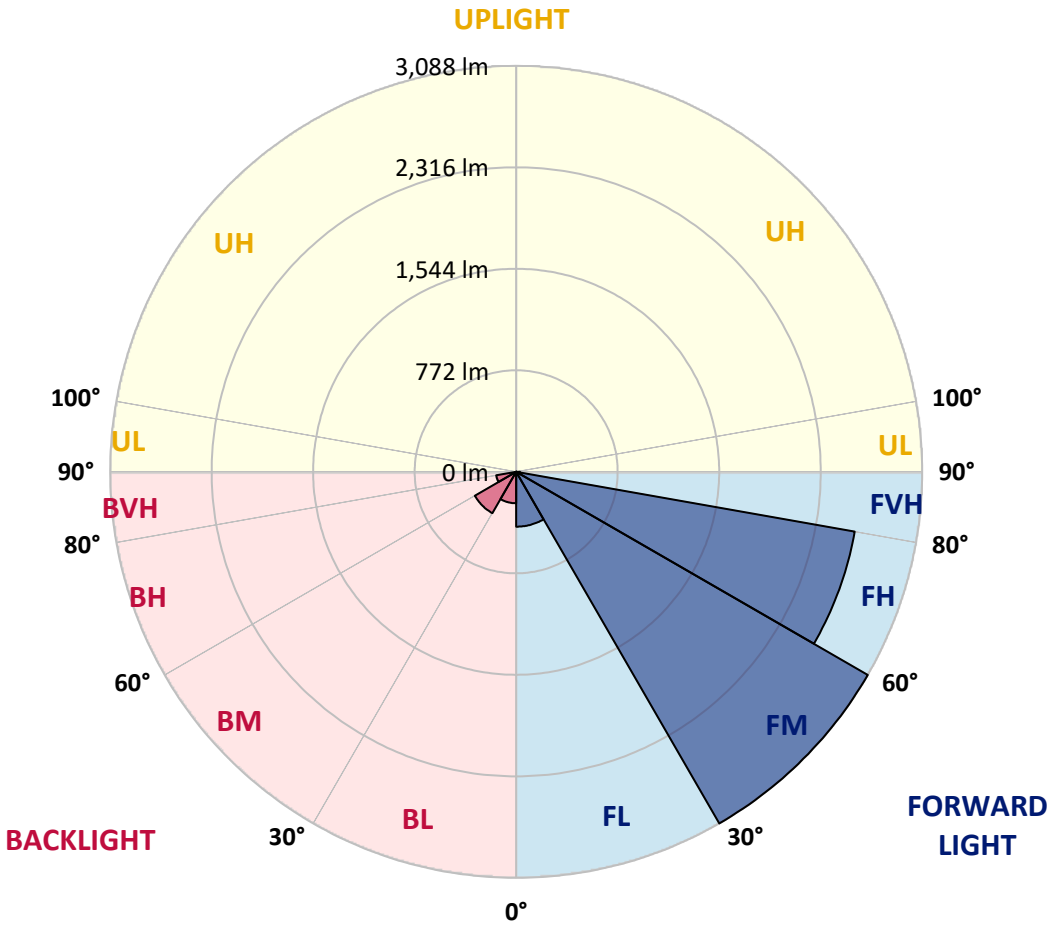
REPORT NUMBER: P386734
CATALOG NUMBER: GPC-SA2B-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	417.4	6.0			
FM	(30°-60°)	3088.3	44.7			
FH	(60°-80°)	2614.8	37.9			G2/5000
FVH	(80°-90°)	28.2	0.4			G1/100
BL	(0°-30°)	239.3	3.5	B1/500		
BM	(30°-60°)	363.2	5.3	B1/1000		
BH	(60°-80°)	154.2	2.2	B1/500		G1/500
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-G2
Type III Short



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Scaled Data Report

REPORT NUMBER: P386734
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	820.6	820.6	820.6	820.6	820.6	820.6	820.6	*820.6*	820.6	820.6	820.6
2.5°	801.3	804.9	807.6	809.2	811.1	815.4	816.7	*818.7*	819.6	819.6	821.9
5°	769.7	773.6	779.1	783.7	792.9	804.6	813.1	*816.4*	822.2	827.5	830.4
7.5°	740.3	744.9	751.4	762.2	777.8	796.8	814.4	*819.0*	830.4	841.5	847.1
10°	721.3	724.9	733.4	748.8	769.3	795.8	820.6	*826.2*	845.8	864.4	874.8
12.5°	714.8	718.1	726.9	744.2	769.7	800.7	835.0	*843.1*	871.9	899.0	913.7
15°	724.3	724.9	734.4	750.7	775.9	812.8	858.8	*868.6*	904.9	940.1	958.4
17.5°	760.9	757.9	762.8	770.0	789.9	828.8	884.0	*898.7*	947.0	988.5	1005.8
20°	852.3	852.3	841.2	821.6	821.9	853.6	917.9	*934.6*	993.7	1041.7	1057.4
22.5°	1008.7	1005.8	983.6	935.6	891.5	896.4	959.4	*980.9*	1049.9	1101.1	1106.3
25°	1196.8	1193.2	1158.9	1091.3	1014.9	965.6	1015.6	*1040.4*	1116.8	1162.2	1151.4
27.5°	1396.0	1393.1	1359.1	1275.2	1166.4	1076.0	1082.5	*1106.0*	1185.0	1229.8	1195.5
30°	1589.0	1590.0	1556.3	1470.1	1347.0	1216.7	1167.4	*1181.1*	1251.3	1296.7	1247.7
32.5°	1772.5	1773.8	1744.7	1648.4	1533.5	1380.3	1285.0	*1281.4*	1328.4	1373.1	1317.0
35°	1936.1	1939.4	1919.4	1844.7	1722.9	1562.5	1437.5	*1429.0*	1437.8	1488.4	1423.1
37.5°	2093.8	2095.8	2080.8	2017.7	1915.9	1762.7	1630.1	*1618.0*	1599.1	1638.0	1563.2
40°	2266.6	2261.7	2244.4	2187.2	2099.7	1983.8	1837.2	*1816.3*	1783.3	1817.9	1747.4
42.5°	2427.2	2421.7	2424.6	2360.0	2286.2	2211.1	2078.5	*2042.6*	2023.3	2063.1	1973.3
45°	2628.1	2625.1	2634.9	2578.7	2519.0	2464.5	2355.1	*2315.9*	2307.4	2354.1	2246.6
47.5°	2826.3	2833.5	2863.8	2840.0	2815.8	2767.8	2648.0	*2630.3*	2635.6	2692.1	2535.0
50°	2991.5	3000.0	3083.3	3110.7	3145.6	3117.6	2997.4	*2986.6*	3007.2	3058.1	2845.2
52.5°	3111.0	3128.3	3231.8	3358.2	3485.6	3504.5	3384.7	*3374.9*	3402.6	3410.5	3084.9
55°	3194.0	3209.3	3326.5	3557.7	3817.0	3898.7	3824.2	*3786.3*	3781.1	3703.7	3337.0
57.5°	3208.7	3207.0	3375.5	3686.7	4077.0	4287.6	4240.6	*4203.3*	4096.2	3974.7	3626.0
60°	3125.7	3135.2	3330.8	3731.5	4240.2	4581.8	4585.4	*4537.1*	4370.2	4238.3	3906.2
62.5°	2870.4	2908.9	3106.5	3614.2	4238.3	4700.3	4838.1	*4801.2*	4601.7	4454.1	4190.3
65°	2456.3	2470.0	2658.4	3212.6	3951.9	4650.7	5065.7	*5052.0*	4810.4	4663.8	4336.2
67.5°	1793.7	1764.0	1961.9	2529.8	3345.8	4361.4	5229.0	*5246.3*	4971.4	4706.9	4180.8
68°	*1637.0*	*1645.8*	*1799.9*	*2360.9*	*3187.1*	*4259.2*	*5239.8*	*5266.2*	*4987.4*	*4678.8*	*4095.9*
70°	975.7	992.7	1130.2	1625.6	2424.6	3680.8	5123.5	*5183.9*	4892.0	4389.1	3542.7
72.5°	249.2	269.4	399.4	727.5	1384.9	2593.4	4325.1	*4427.3*	4247.4	3560.7	2391.6
75°	102.5	107.8	142.7	239.7	515.9	1168.4	2850.8	*3069.6*	2944.5	2131.7	1080.9
77.5°	70.9	74.5	91.8	132.9	223.4	396.1	1397.6	*1555.7*	1401.5	727.5	235.8
80°	50.9	53.9	65.6	88.5	128.3	141.4	455.5	*526.7*	418.3	159.7	58.5
82.5°	30.4	32.7	49.0	63.0	78.0	67.6	113.3	*128.7*	121.1	79.4	26.1
85°	15.0	17.6	33.0	45.1	42.1	28.4	34.6	*38.5*	47.7	48.3	14.0
87.5°	1.0	2.0	19.3	27.1	11.8	6.5	10.1	*12.4*	17.0	23.8	5.9
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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CATALOG NUMBER: GPC-SA2B-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	820.6	820.6	820.6	820.6	820.6	820.6	820.6	820.6	820.6	820.6	820.6
2.5°	822.9	823.2	820.9	820.0	820.6	816.7	815.1	815.7	815.7	816.7	815.1
5°	831.1	831.1	827.1	821.9	819.0	811.5	806.6	805.3	804.3	803.6	802.3
7.5°	848.7	846.7	839.9	828.5	818.7	802.3	789.9	783.4	780.1	778.8	777.8
10°	877.1	873.5	862.1	840.9	818.3	789.3	762.2	742.9	726.9	720.4	716.4
12.5°	915.3	910.1	890.8	855.6	816.0	762.5	703.7	647.2	594.6	573.1	562.3
15°	959.4	951.9	921.5	868.0	802.7	702.1	574.4	475.5	402.6	375.2	363.4
17.5°	1004.1	994.3	948.3	875.8	762.5	577.0	403.0	304.3	255.7	242.6	238.1
20°	1049.2	1034.8	971.5	869.9	671.7	416.0	265.8	222.4	208.3	204.4	203.1
22.5°	1092.0	1069.8	992.4	847.1	531.9	279.2	210.3	196.6	192.0	189.7	189.1
25°	1129.2	1098.2	1010.7	776.5	376.5	210.9	189.4	184.8	178.9	174.7	175.0
27.5°	1164.1	1126.6	1021.8	660.3	251.1	180.3	175.4	169.2	158.4	152.2	152.2
30°	1206.3	1164.5	1029.9	508.1	184.8	159.4	155.4	146.0	131.3	123.1	123.1
32.5°	1269.6	1221.9	1024.7	356.6	153.2	140.1	130.9	117.9	101.9	94.0	93.7
35°	1366.6	1310.8	987.5	233.8	135.2	121.8	107.1	91.1	77.1	70.5	70.2
37.5°	1497.2	1429.6	903.9	167.2	121.1	104.8	87.2	69.6	59.1	54.9	54.5
40°	1666.7	1567.8	784.4	135.5	108.1	88.5	67.3	53.9	46.7	43.4	43.8
42.5°	1870.1	1715.7	641.0	116.9	95.4	72.8	52.6	42.5	37.9	35.6	34.9
45°	2096.1	1861.6	490.8	104.2	82.6	58.8	41.1	33.6	30.0	28.7	28.7
47.5°	2344.6	2003.7	359.2	93.1	68.9	45.4	33.0	27.4	24.5	23.5	23.2
50°	2570.3	2102.3	259.0	81.3	56.5	35.9	26.8	22.9	20.9	19.6	19.6
52.5°	2758.4	2133.3	190.7	68.6	45.7	28.7	22.2	19.6	17.6	16.7	16.7
55°	2923.9	2120.6	141.7	56.5	36.9	23.5	18.9	16.7	15.0	14.0	14.0
57.5°	3082.6	2079.5	105.8	46.0	29.7	18.9	16.0	14.0	12.4	11.8	11.8
60°	3212.3	2010.9	78.7	37.2	23.8	15.3	13.4	11.4	10.1	9.1	9.1
62.5°	3317.4	1935.1	57.8	30.7	18.9	12.1	10.4	9.5	7.5	6.5	6.5
65°	3318.1	1809.4	43.4	25.5	14.7	9.5	7.8	7.5	4.9	3.9	3.6
67.5°	3078.0	1559.9	33.3	21.9	11.4	7.2	5.9	6.2	2.6	1.6	1.3
68°	*2990.9*	*1496.6*	*31.3*	*21.6*	*10.8*	*6.9*	*5.6*	*6.2*	*2.3*	*1.3*	*1.0*
70°	2521.6	1190.6	25.1	20.9	9.5	5.2	4.6	6.2	2.0	1.0	0.7
72.5°	1612.8	691.0	18.6	16.7	7.2	3.9	2.9	5.6	2.0	0.7	0.3
75°	686.4	214.2	12.7	11.8	4.2	2.9	2.0	3.6	1.3	0.3	0.0
77.5°	144.7	48.3	7.5	7.2	2.9	2.0	1.3	1.0	0.3	0.0	0.0
80°	37.2	14.0	3.9	3.6	1.6	1.0	0.7	0.0	0.0	0.0	0.0
82.5°	11.8	5.6	2.3	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.9	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	1.0	0.3	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

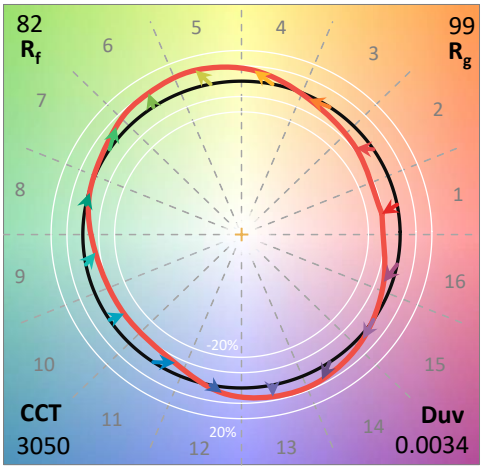
Test Information

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

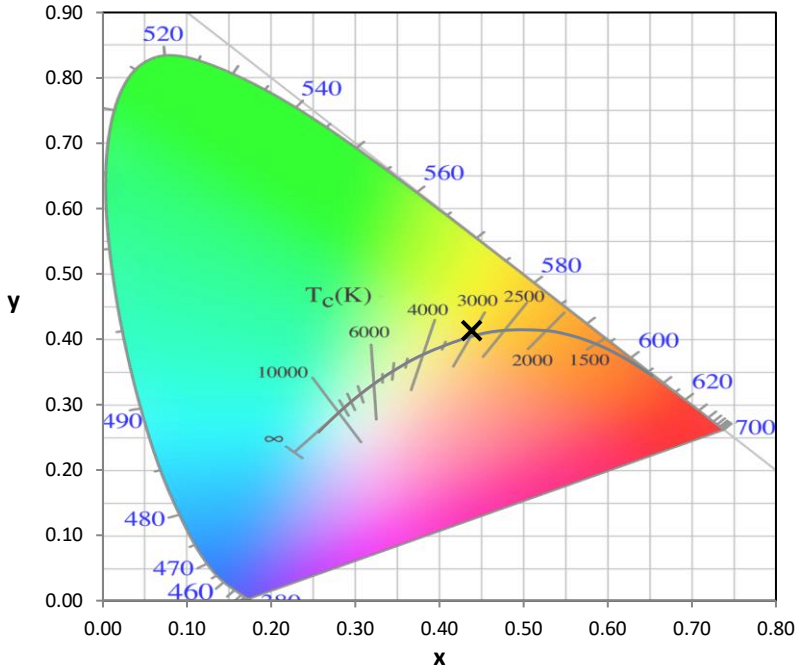
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

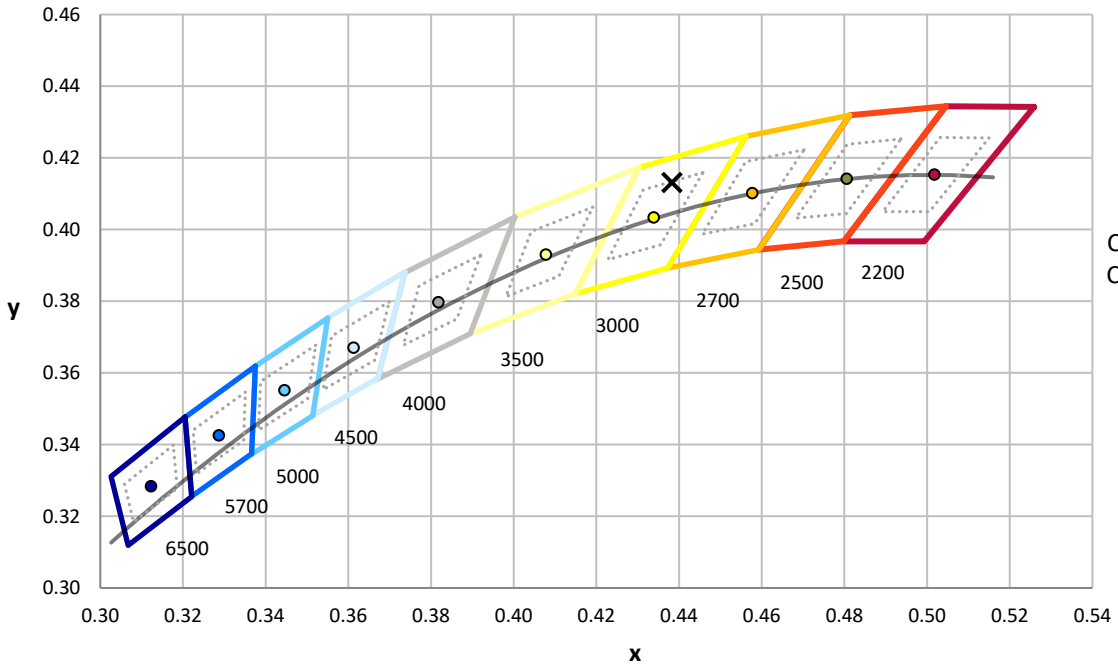
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

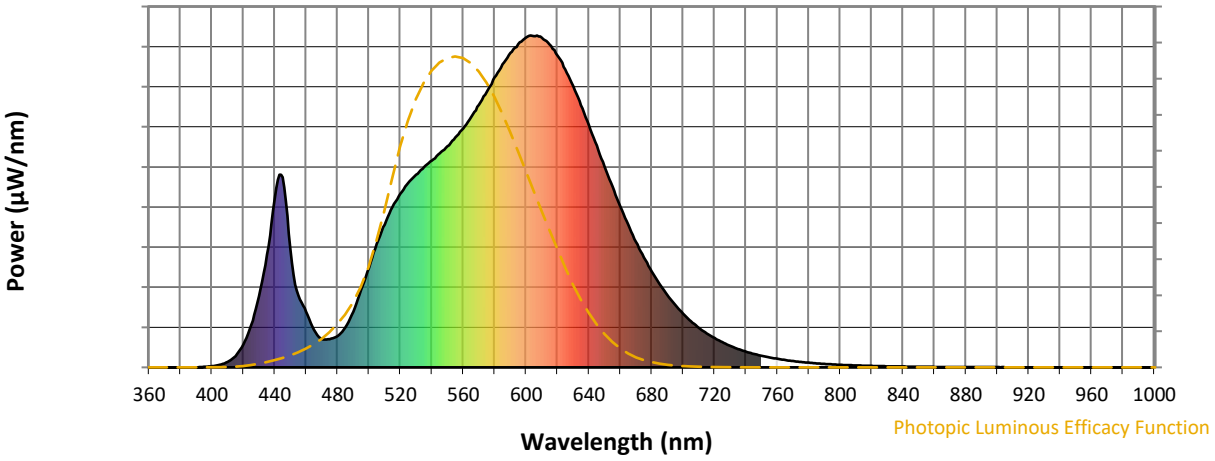


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

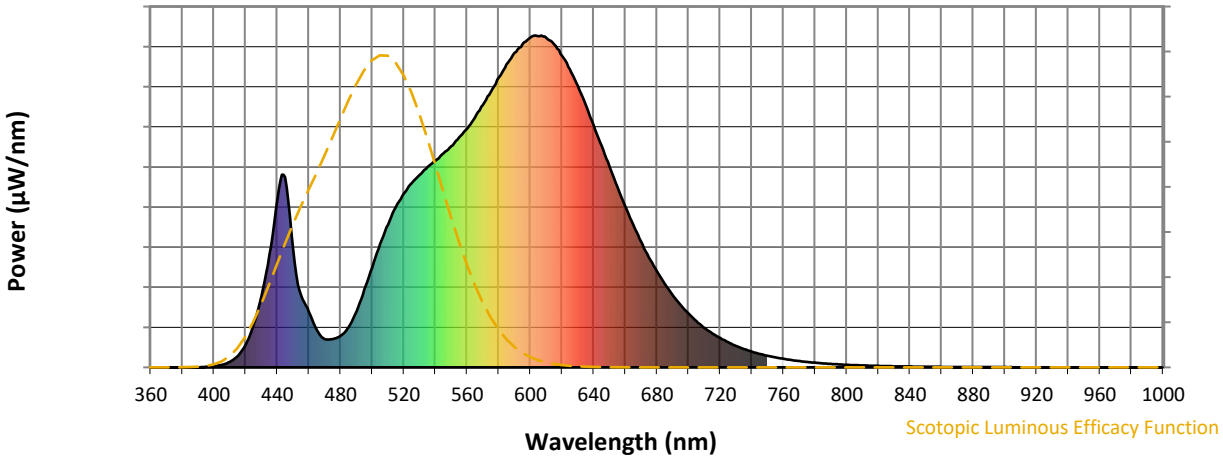


Photopic Lumens: NR

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

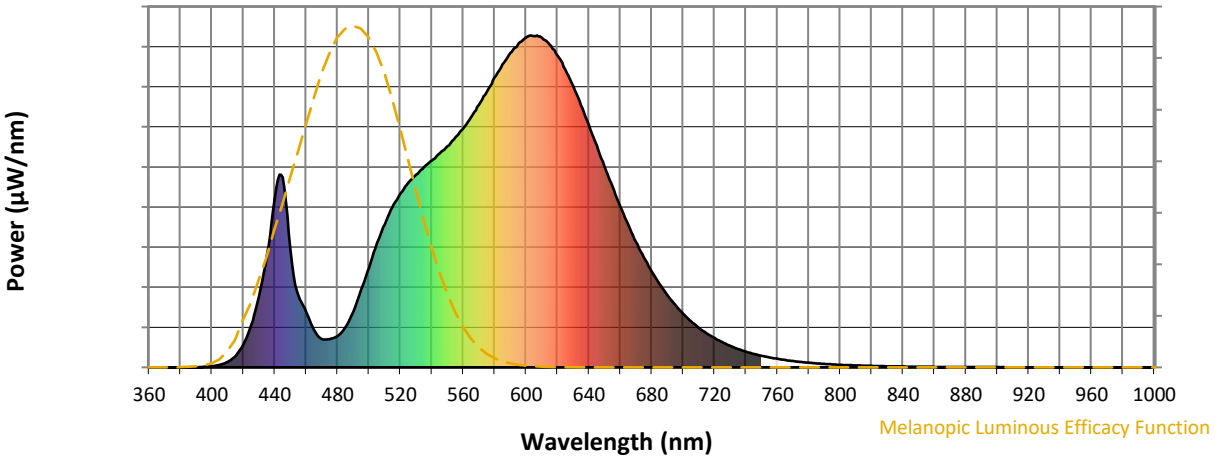


Scotopic Lumens: NR **S/P: 1.27**

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			

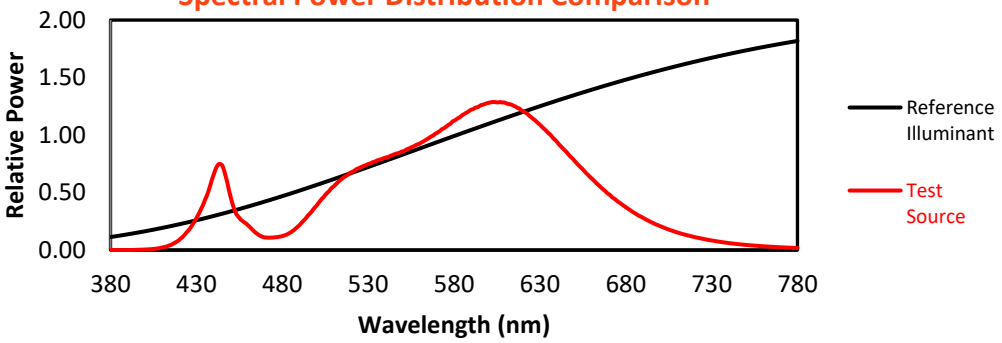
REPORT NUMBER: SP1-2408-195-9

TM-30-18

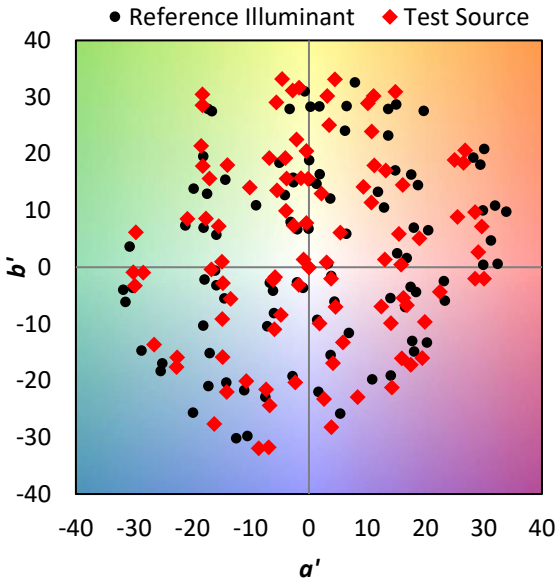
Summary

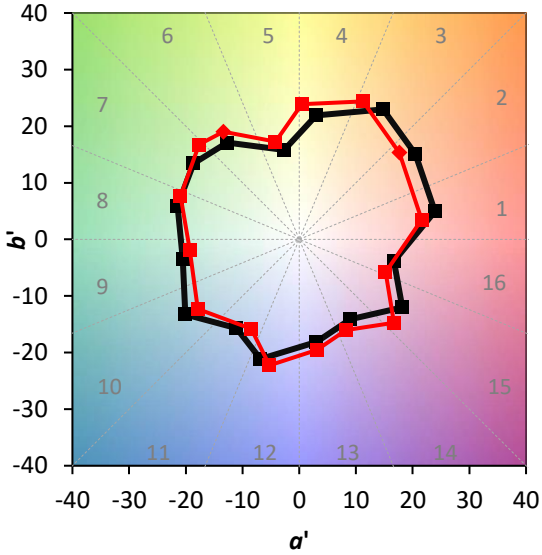
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

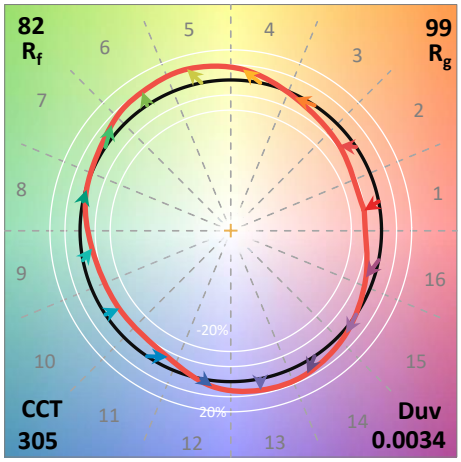
Spectral Power Distribution Comparison

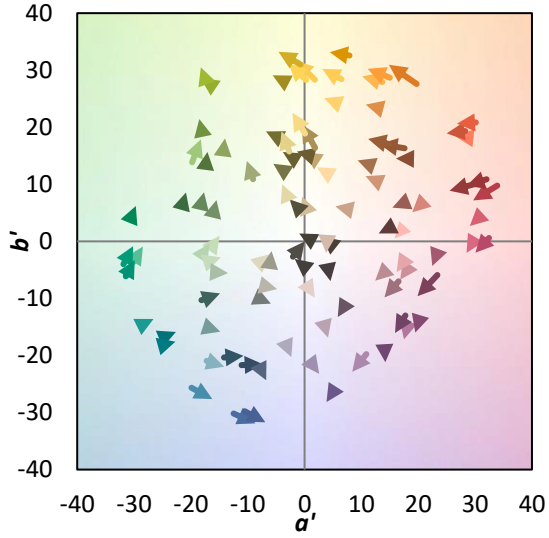


Color Vector Graphics







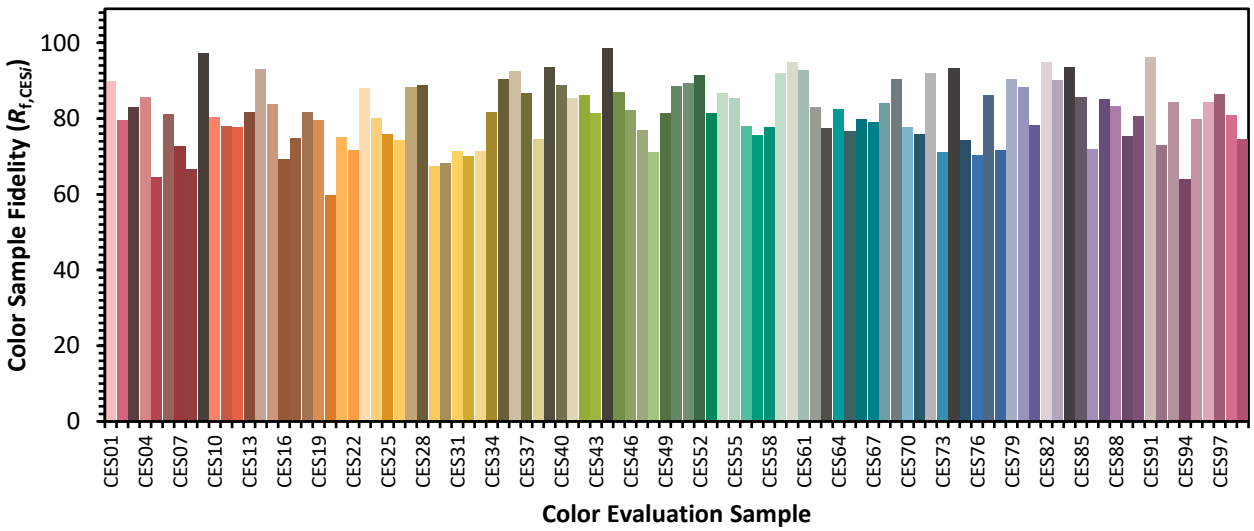


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

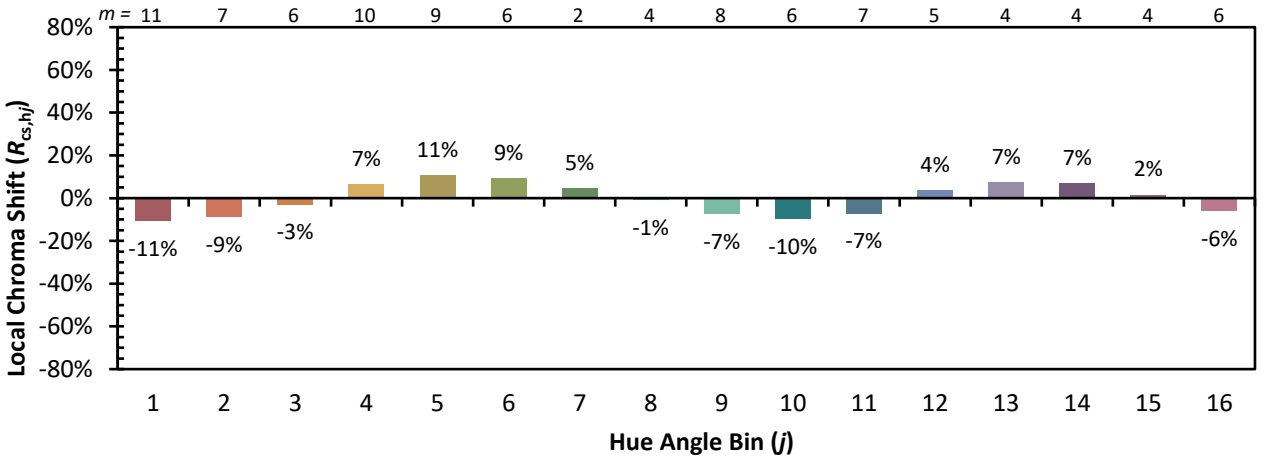
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

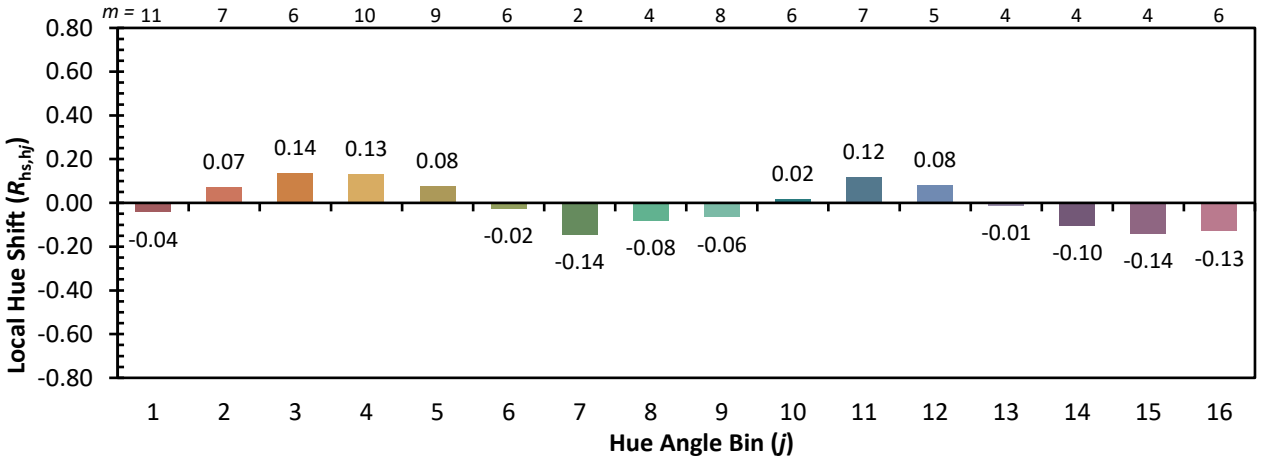


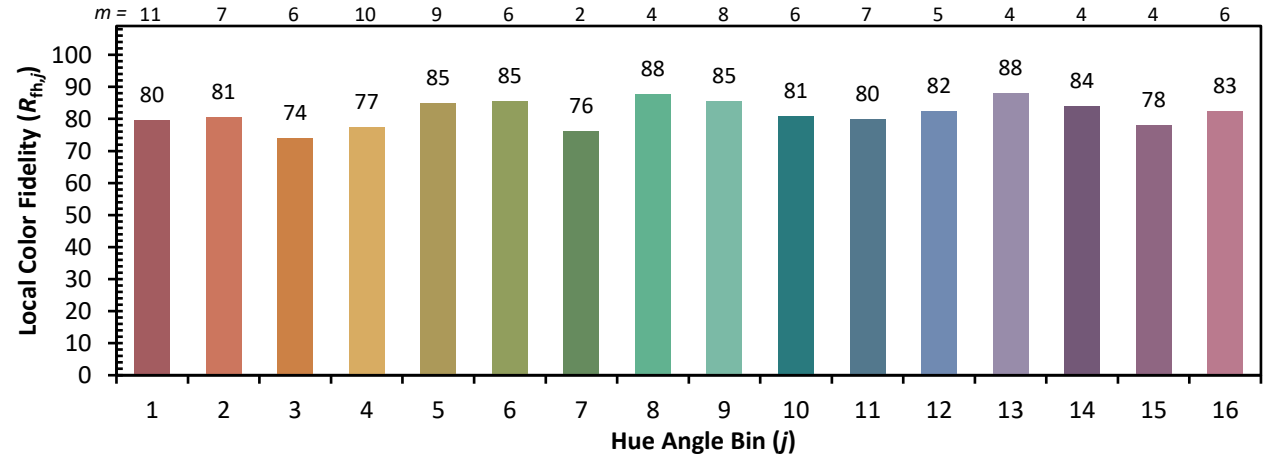
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



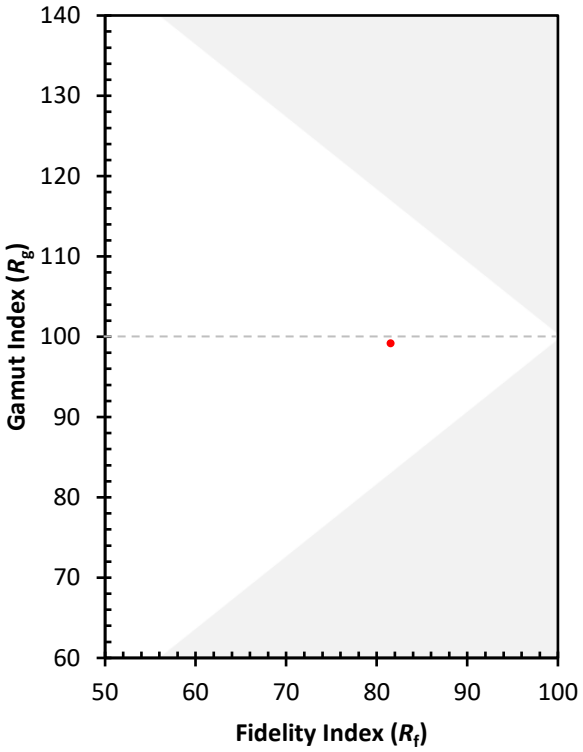


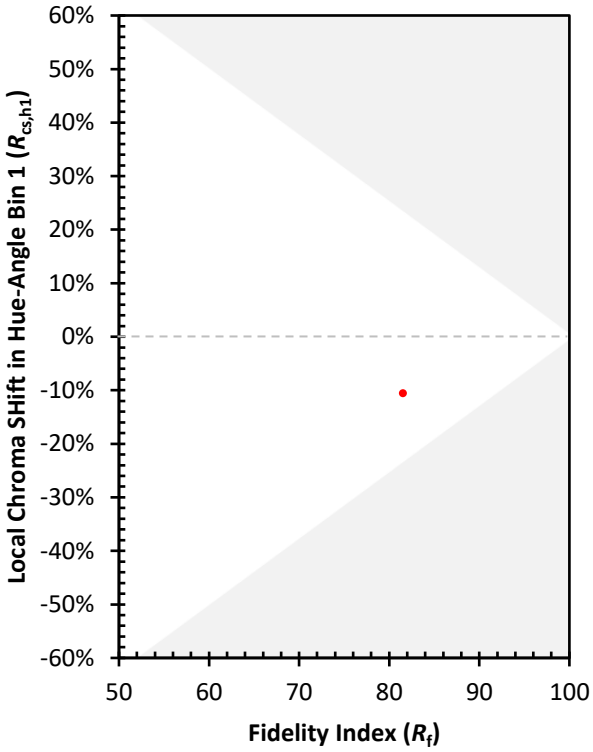


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)