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: P385835

Luminaire Tested: **GPC-SA1B-830-U-T2**

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:	P385835
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1B-830-U-T2
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4759 lumens
Efficiency:	N/A
Efficacy:	108.2 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

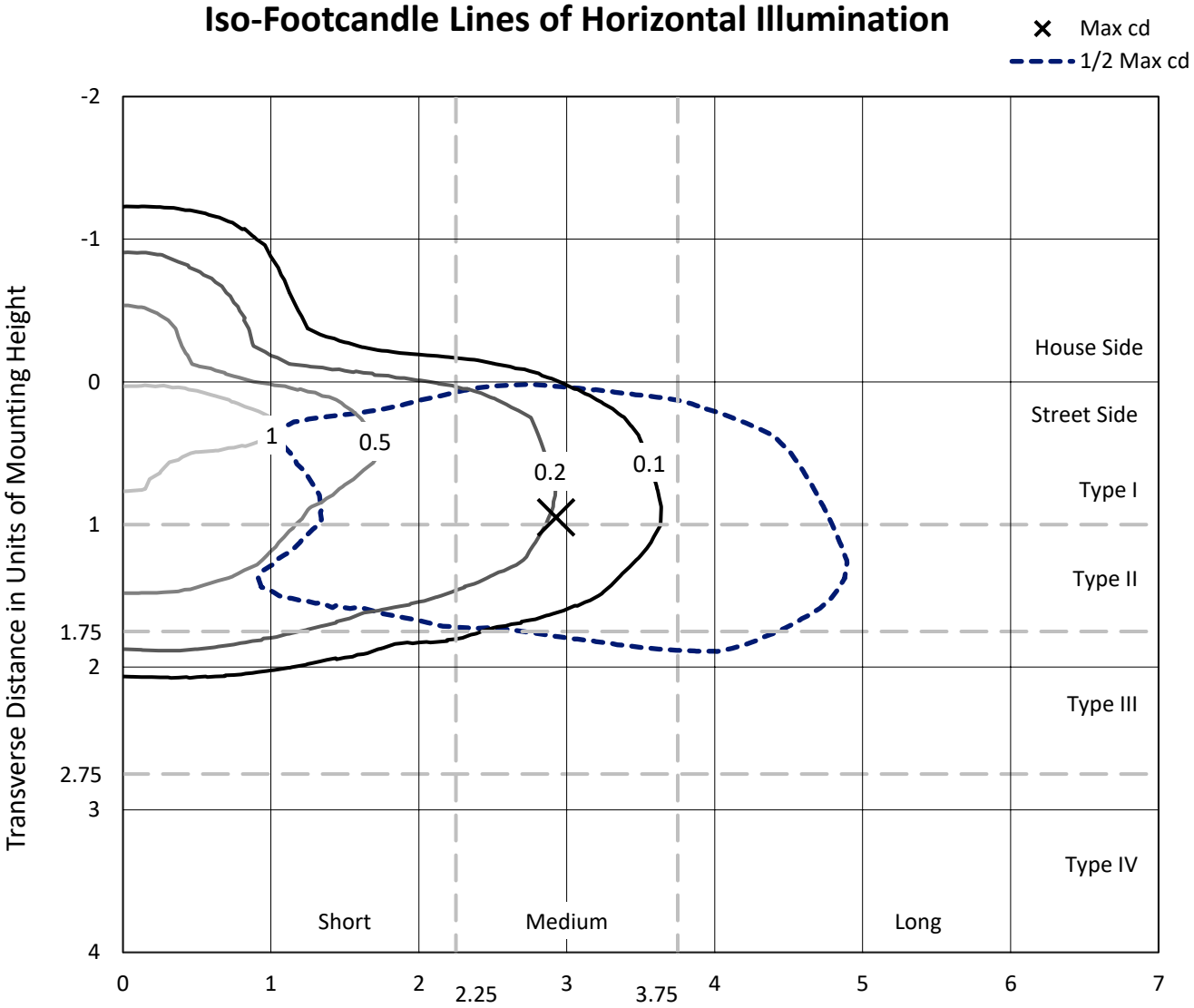
Input Watts (W):	44
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P385835
CATALOG NUMBER: GPC-SA1B-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination



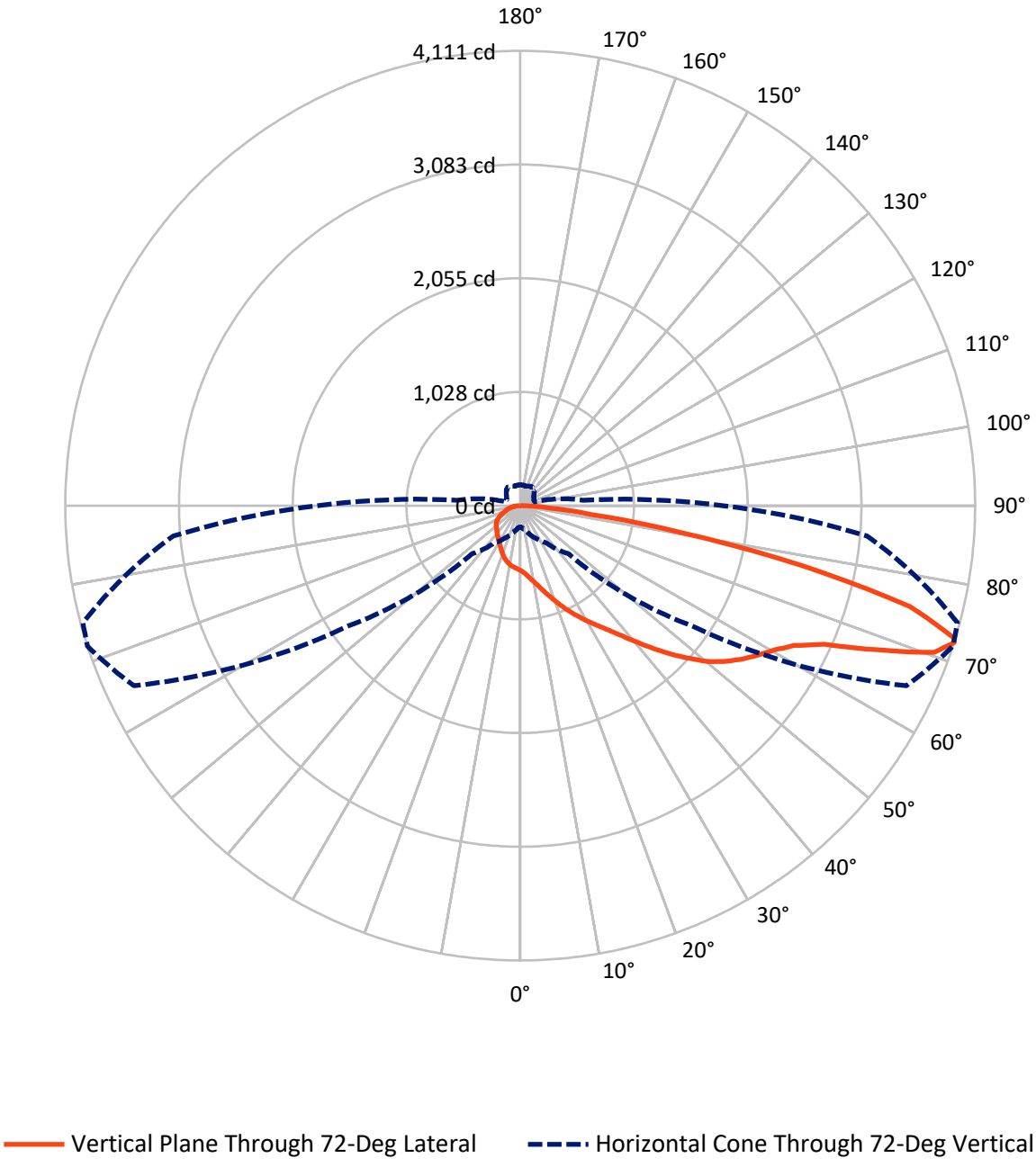
Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type III - Medium - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P385835
CATALOG NUMBER: GPC-SA1B-830-U-T2

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

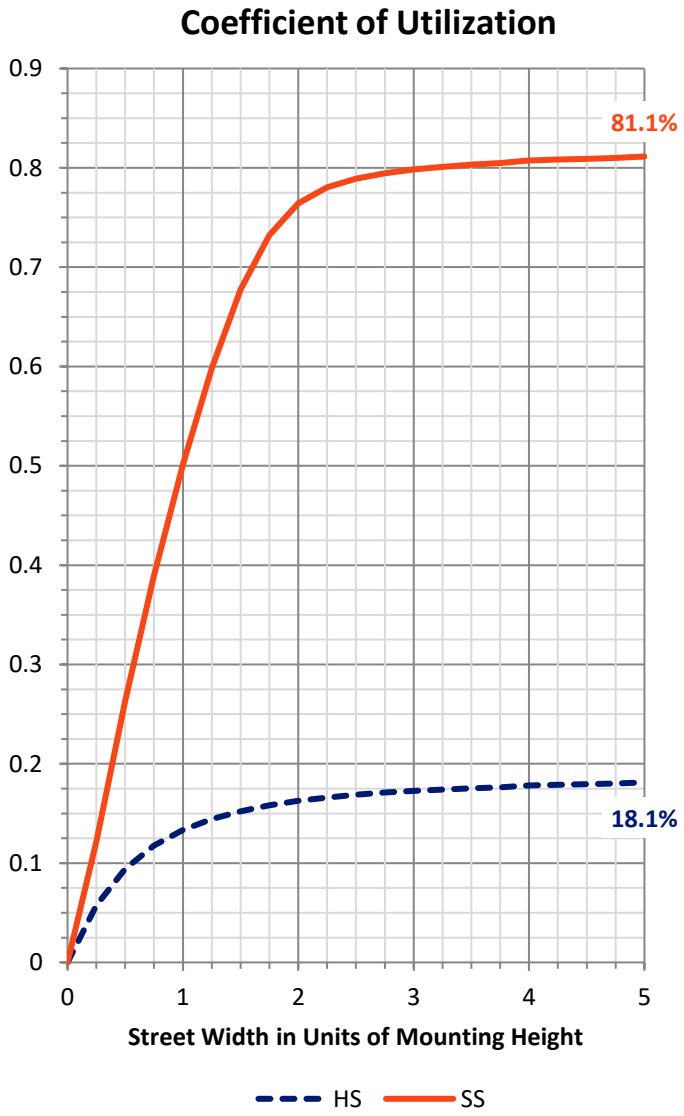
REPORT NUMBER: P385835
CATALOG NUMBER: GPC-SA1B-830-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	882.8	0.0	882.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	3876.2	0.0	3876.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	4759.0	0.0	4759.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.2
10°-20°	189.6	4.0
20°-30°	332.2	7.0
30°-40°	492.6	10.4
40°-50°	720.4	15.1
50°-60°	991.3	20.8
60°-70°	1103.6	23.2
70°-80°	747.8	15.7
80°-90°	122.9	2.6
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°	4759.0	100.0
0°-180°	4759.0	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

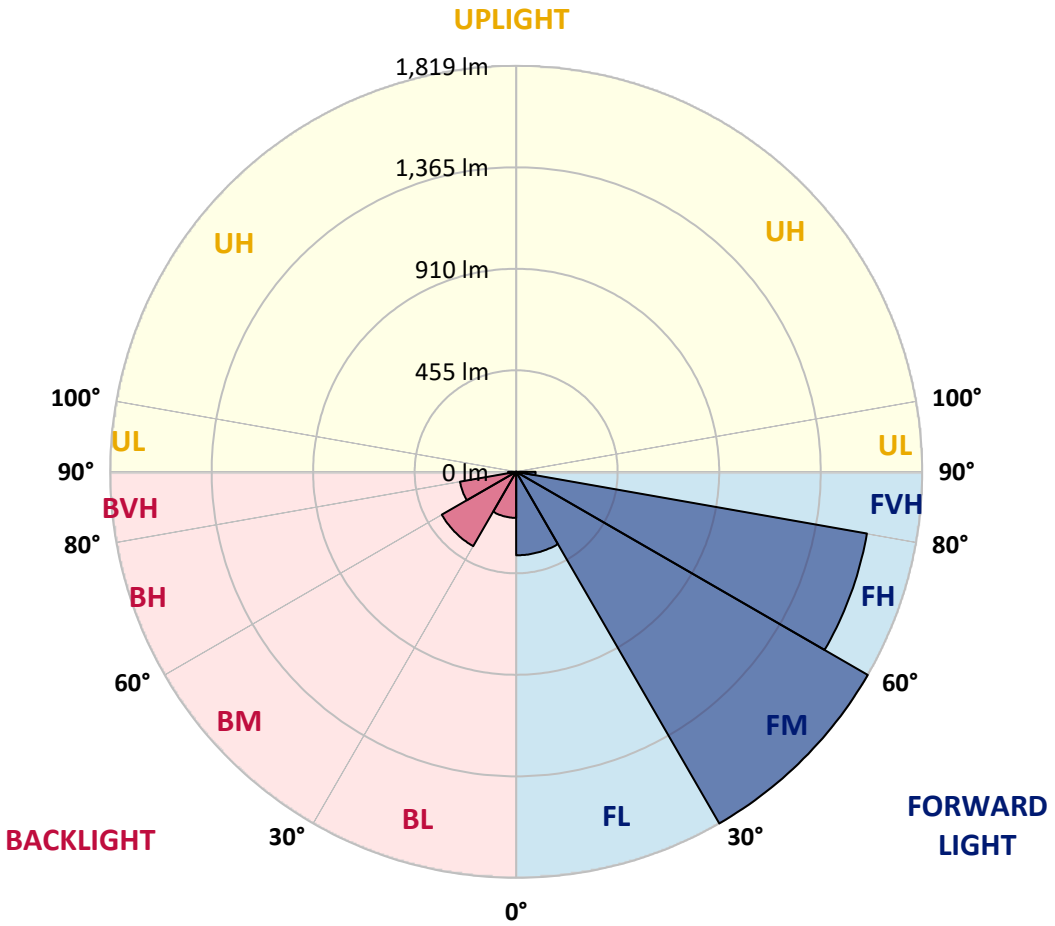
Scaled Data Report

REPORT NUMBER: P385835
CATALOG NUMBER: GPC-SA1B-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	374.1	7.9			
FM	(30°-60°)	1819.4	38.2			
FH	(60°-80°)	1596.0	33.5			G1/1800
FVH	(80°-90°)	86.7	1.8			G1/100
BL	(0°-30°)	206.4	4.3	B1/500		
BM	(30°-60°)	384.8	8.1	B1/1000		
BH	(60°-80°)	255.4	5.4	B1/500		G1/500
BVH	(80°-90°)	36.2	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-G1
Type III Medium



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P385835
CATALOG NUMBER: GPC-SA1B-830-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	*585.5*	585.5	585.5
2.5°	646.8	645.8	642.3	642.3	635.8	630.2	619.7	612.7	*604.3*	601.4	591.5
5°	709.4	709.7	705.4	702.5	692.8	681.0	663.2	646.9	*630.7*	624.2	604.0
7.5°	762.0	761.3	760.2	757.7	748.7	736.6	712.5	688.4	*664.5*	654.6	619.9
10°	795.7	797.2	798.2	799.3	795.6	786.9	764.1	734.8	*703.5*	690.0	638.9
12.5°	812.8	815.4	820.0	827.8	834.1	833.1	816.5	785.4	*748.2*	731.3	662.7
15°	822.8	826.2	833.4	847.5	865.0	875.0	870.6	842.4	*801.0*	780.1	691.7
17.5°	829.0	831.8	842.9	861.8	887.8	914.4	926.0	902.4	*860.6*	836.8	724.9
20°	833.2	835.4	849.3	871.4	905.2	947.5	979.9	974.0	*926.3*	895.5	759.7
22.5°	842.7	844.5	857.8	880.1	917.5	972.0	1031.8	1040.7	*995.6*	960.7	796.9
25°	869.3	869.3	880.4	896.0	931.1	993.3	1075.8	1114.9	*1066.4*	1025.8	831.3
27.5°	919.9	919.4	923.5	928.9	955.5	1015.0	1114.9	1180.5	*1139.8*	1095.4	864.7
30°	979.9	983.2	983.7	981.0	993.5	1042.0	1151.1	1249.6	*1213.7*	1165.9	899.0
32.5°	1057.1	1059.2	1056.8	1048.1	1046.3	1080.3	1186.7	1322.0	*1293.7*	1239.5	930.2
35°	1155.1	1151.0	1143.3	1125.6	1108.7	1131.6	1227.3	1394.5	*1383.5*	1328.4	973.3
37.5°	1260.1	1260.3	1250.8	1210.6	1187.3	1197.2	1283.4	1476.6	*1492.1*	1434.3	1028.6
40°	1344.3	1348.8	1354.7	1301.9	1271.7	1285.3	1354.7	1571.8	*1620.6*	1559.8	1100.5
42.5°	1403.2	1408.2	1424.9	1391.8	1360.6	1385.8	1438.5	1673.4	*1764.8*	1704.7	1184.7
45°	1465.4	1468.2	1480.0	1465.8	1445.8	1502.6	1533.1	1778.6	*1917.4*	1859.0	1278.9
47.5°	1531.0	1533.9	1546.0	1536.5	1526.1	1611.8	1631.7	1877.7	*2063.5*	2028.6	1379.6
50°	1611.9	1613.9	1625.4	1608.1	1611.4	1694.0	1719.9	1968.6	*2216.7*	2181.0	1480.5
52.5°	1722.4	1722.9	1738.7	1723.2	1707.8	1754.3	1795.8	2054.3	*2336.8*	2320.0	1581.4
55°	1808.9	1814.1	1866.2	1863.0	1854.1	1809.0	1859.2	2135.9	*2444.0*	2452.0	1688.6
57.5°	1753.7	1774.1	1879.7	1954.1	2026.5	1945.2	1944.9	2227.9	*2543.6*	2581.7	1806.4
60°	1535.9	1563.7	1719.2	1884.3	2110.9	2182.2	2122.8	2340.1	*2644.3*	2710.1	1954.1
62.5°	1096.9	1142.8	1353.5	1617.0	1995.2	2339.1	2485.0	2518.2	*2781.1*	2858.9	2145.9
65°	554.5	589.2	765.9	1083.3	1594.1	2236.6	2878.6	2908.2	*3018.8*	3088.0	2441.4
67.5°	336.9	350.0	436.2	602.5	977.3	1742.2	3007.0	3558.3	*3479.0*	3515.7	2862.7
70°	248.3	257.9	311.7	400.2	562.0	1022.3	2612.8	4022.2	*3970.1*	3966.0	3174.0
72°	*193.4*	*200.4*	*247.9*	*323.3*	*411.0*	*613.3*	*1893.8*	*3850.9*	*4110.7*	*4090.0*	*3145.5*
72.5°	183.4	189.6	232.8	304.3	388.4	556.0	1702.7	3735.4	*4100.5*	4091.2	3108.6
75°	144.4	148.8	172.4	235.3	304.0	315.4	933.0	2894.8	*3637.6*	3788.8	2796.0
77.5°	119.5	120.1	132.6	171.2	236.9	223.0	458.3	2008.5	*2604.8*	2771.1	1980.6
80°	97.3	98.2	104.1	120.1	179.3	165.0	217.6	1154.9	*1458.4*	1460.2	941.9
82.5°	77.5	77.7	84.2	87.8	128.8	118.0	124.7	542.2	*637.3*	613.0	338.5
85°	54.6	53.4	82.3	72.1	84.2	75.7	68.8	214.7	*263.5*	252.0	106.0
87.5°	18.2	18.8	36.5	46.7	49.2	42.9	30.6	82.3	*99.5*	98.6	33.6
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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P385835
CATALOG NUMBER: GPC-SA1B-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5
2.5°	588.4	583.2	575.5	567.0	560.2	553.4	548.3	545.7	542.7	540.3	543.2
5°	594.7	584.8	568.4	552.4	540.6	530.1	522.6	518.6	515.0	512.6	512.9
7.5°	604.8	588.9	561.4	538.0	521.6	510.3	502.6	499.9	497.7	497.0	497.8
10°	615.6	592.2	552.1	520.9	502.2	492.9	489.5	491.3	492.9	494.4	496.0
12.5°	627.9	595.1	538.5	500.9	485.0	481.4	484.9	492.7	498.5	501.9	504.0
15°	644.0	597.8	522.7	480.9	470.3	474.4	486.0	499.6	509.6	516.0	517.0
17.5°	658.7	597.6	502.6	460.8	458.3	470.3	487.8	507.0	520.4	529.4	531.2
20°	674.0	593.2	479.1	441.1	446.2	465.9	488.6	511.7	528.0	538.5	540.9
22.5°	688.2	585.5	453.4	423.3	436.0	460.0	485.5	509.0	525.2	533.7	536.3
25°	697.9	572.0	427.4	408.2	427.0	452.8	475.4	494.2	506.3	510.6	511.3
27.5°	702.8	554.5	402.8	395.1	417.7	441.0	456.5	465.9	469.3	469.0	468.3
30°	703.5	531.4	381.6	384.4	406.9	423.6	431.0	429.2	424.7	417.2	417.8
32.5°	701.3	505.4	363.9	374.3	393.1	402.4	402.8	394.1	382.3	370.3	367.1
35°	702.0	479.8	348.4	362.8	376.4	380.5	376.7	363.9	347.9	332.5	329.2
37.5°	709.2	457.5	334.9	349.5	357.9	358.9	353.5	340.0	328.2	313.1	311.8
40°	726.4	441.6	322.2	334.6	339.4	339.9	332.1	322.6	323.6	315.6	315.4
42.5°	757.4	434.7	310.8	319.0	322.0	323.0	317.1	311.0	319.5	314.3	312.5
45°	797.4	436.4	301.3	303.8	309.2	313.8	310.2	302.8	306.1	283.3	275.8
47.5°	843.6	446.9	293.8	290.7	300.0	308.7	303.1	292.0	280.4	257.8	253.5
50°	897.6	463.1	286.9	277.7	290.0	301.8	296.3	280.4	262.8	251.9	250.4
52.5°	954.0	482.9	280.0	263.5	277.4	296.6	293.8	277.7	256.1	245.3	243.3
55°	1017.9	502.9	271.4	246.9	263.8	294.1	292.7	268.2	251.0	245.0	243.5
57.5°	1097.4	525.7	259.9	229.7	251.0	285.3	280.7	262.5	245.8	241.2	240.7
60°	1200.9	559.3	243.3	211.4	235.5	271.7	270.7	254.2	237.4	234.2	233.5
62.5°	1356.3	614.8	220.6	193.0	218.1	248.6	257.6	242.8	228.6	228.4	228.8
65°	1597.2	698.4	195.8	177.0	200.6	229.1	242.4	231.2	219.6	222.9	223.3
67.5°	1876.4	767.7	171.6	161.2	182.7	210.6	228.6	219.6	207.6	216.1	216.3
70°	1969.3	705.8	150.3	145.7	164.2	192.7	213.7	206.8	194.7	203.2	202.4
72°	*1832.6*	*569.8*	*136.5*	*133.9*	*150.3*	*178.0*	*200.4*	*194.8*	*182.9*	*188.6*	*186.5*
72.5°	1789.5	543.2	133.1	130.9	146.5	174.2	197.0	191.9	179.9	184.8	182.9
75°	1596.3	471.8	114.4	114.9	127.8	155.8	177.6	176.0	163.7	164.2	163.5
77.5°	1157.9	345.9	96.4	99.6	108.8	137.0	158.1	157.1	143.7	141.2	140.8
80°	537.3	176.5	78.5	80.0	89.5	114.5	134.9	133.5	122.7	119.6	117.8
82.5°	184.0	83.9	59.0	60.0	69.3	92.3	117.0	116.2	107.2	101.1	97.3
85°	65.7	41.8	41.3	40.3	49.5	72.6	101.9	97.5	84.2	71.8	71.4
87.5°	21.3	17.9	21.3	21.1	28.8	49.2	74.1	63.1	61.1	50.8	49.8
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
1121 Highway 74 South
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

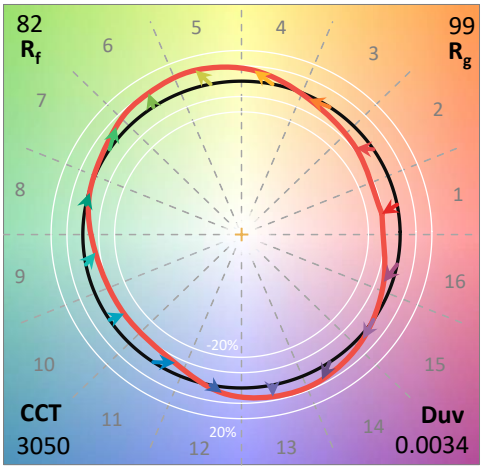
Test Information

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

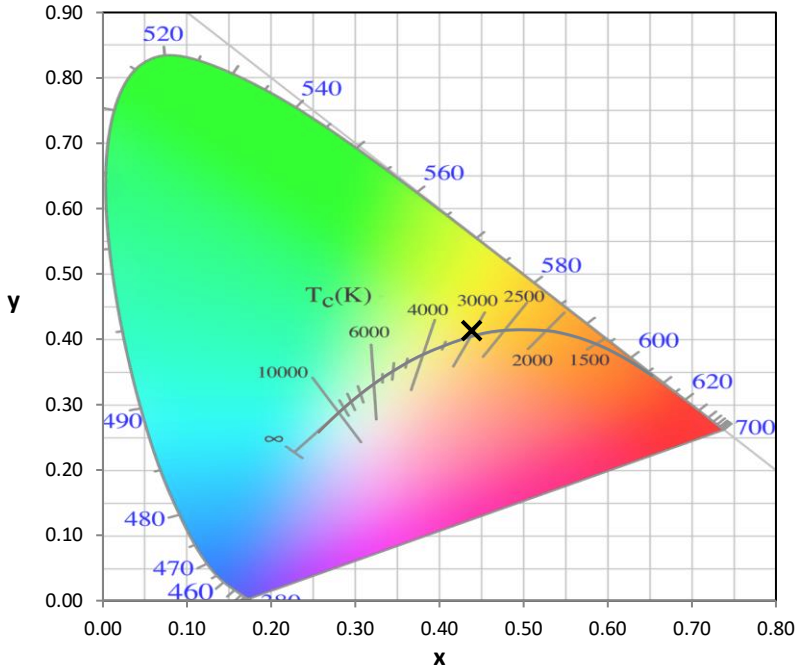
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

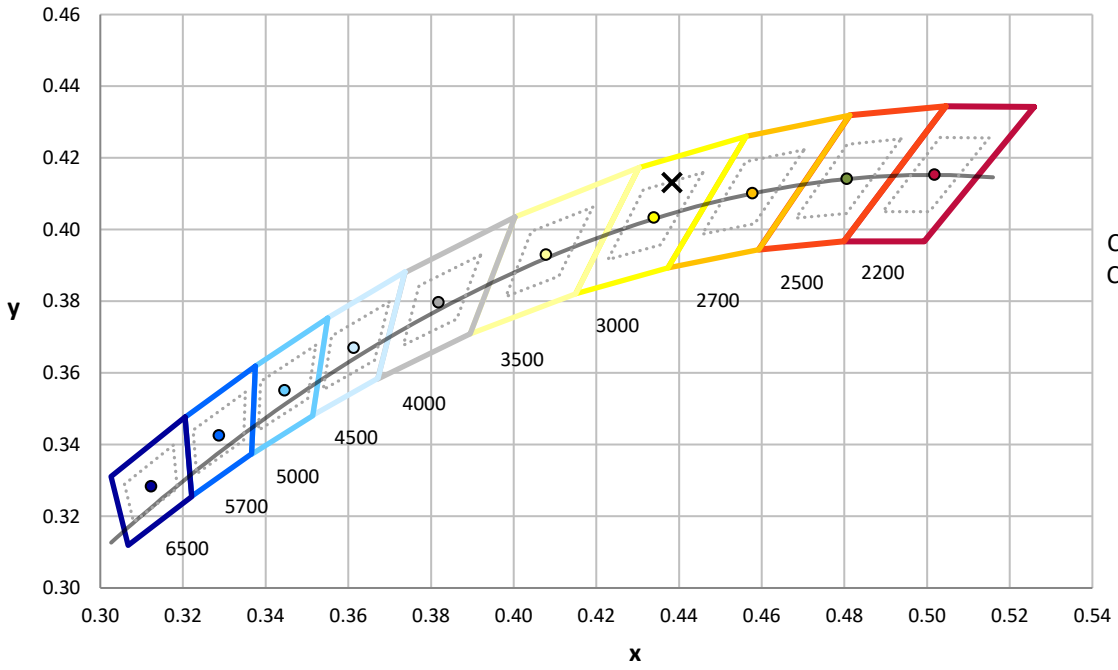
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

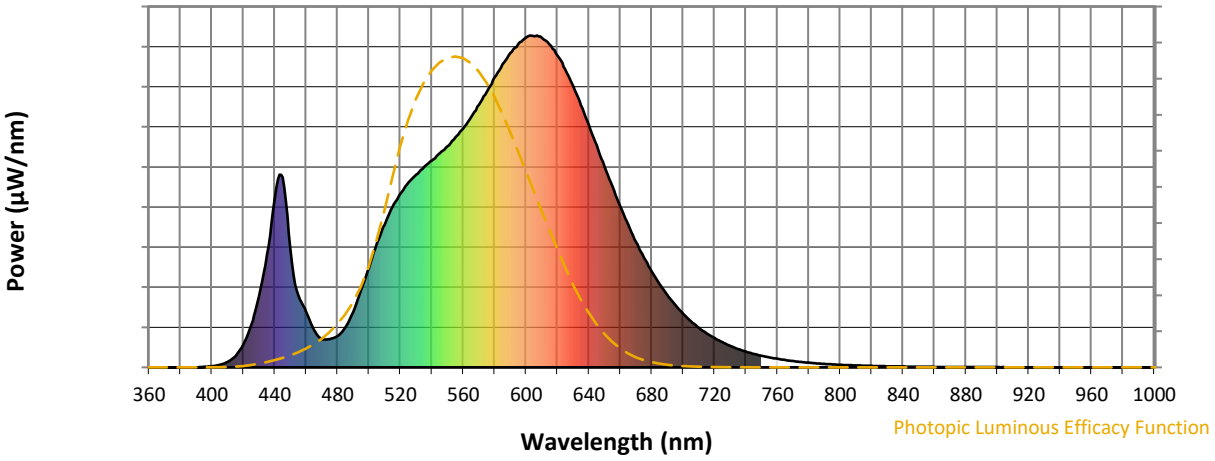


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

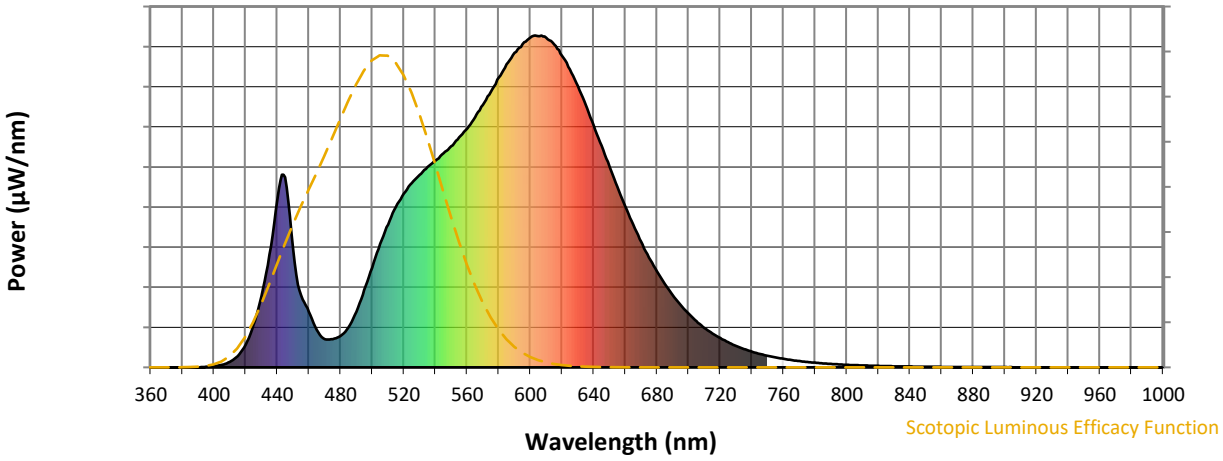


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

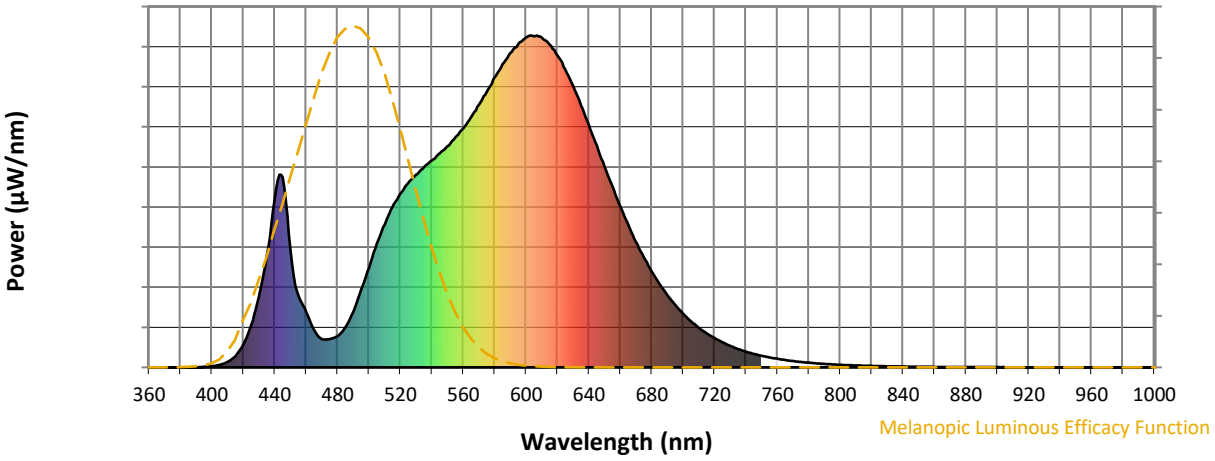


Scotopic Lumens: NR **S/P: 1.27**

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			

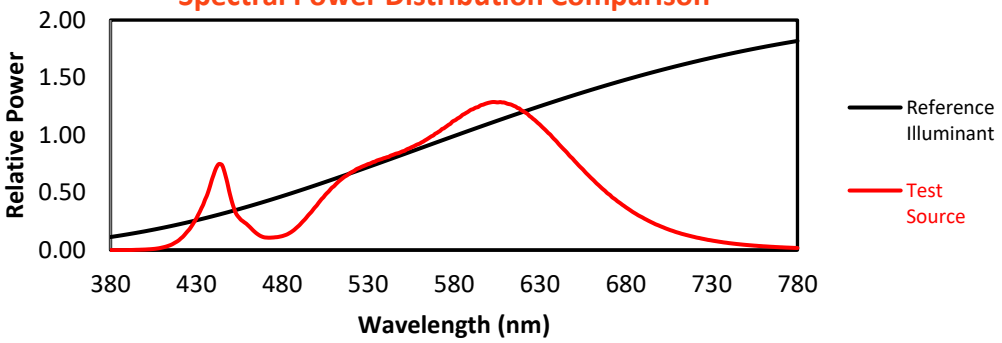
REPORT NUMBER: SP1-2408-195-9

TM-30-18

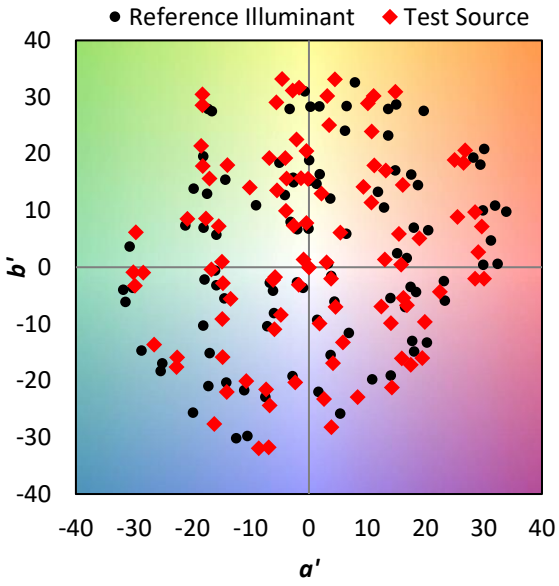
Summary

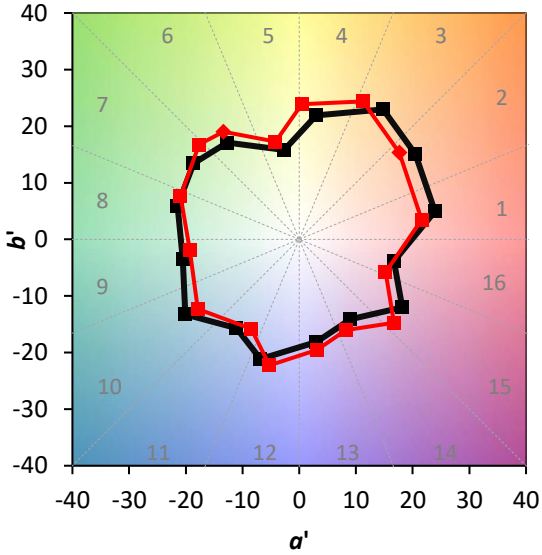
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

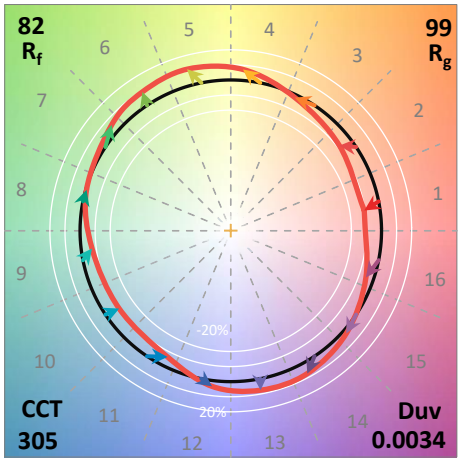
Spectral Power Distribution Comparison

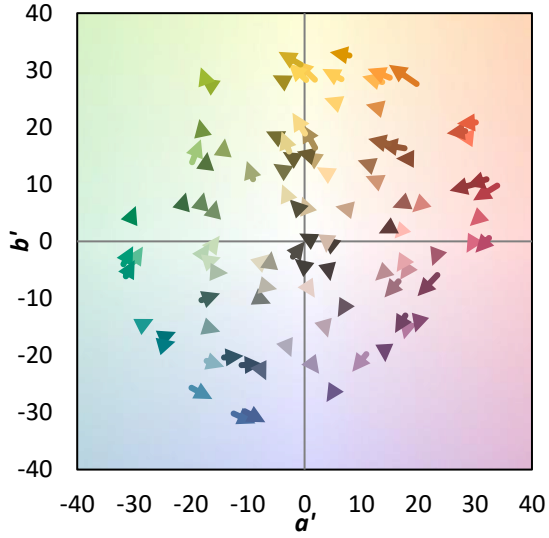


Color Vector Graphics







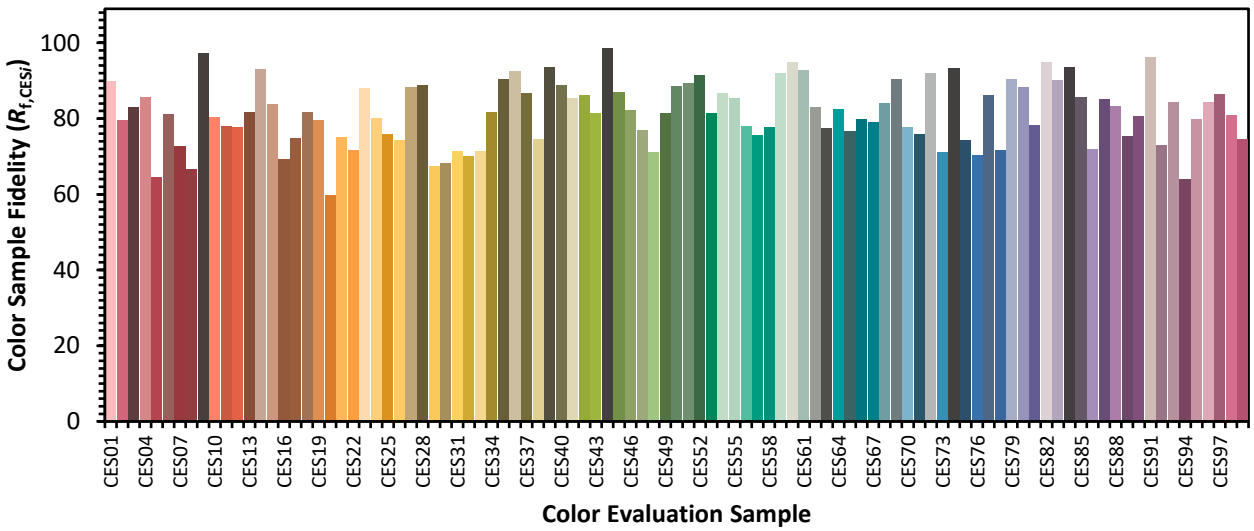


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

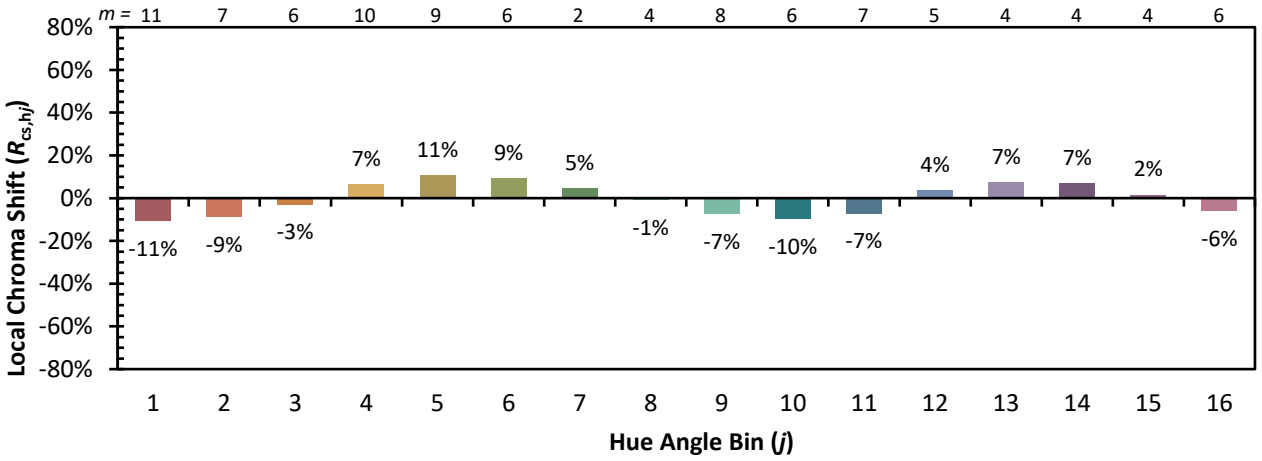
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

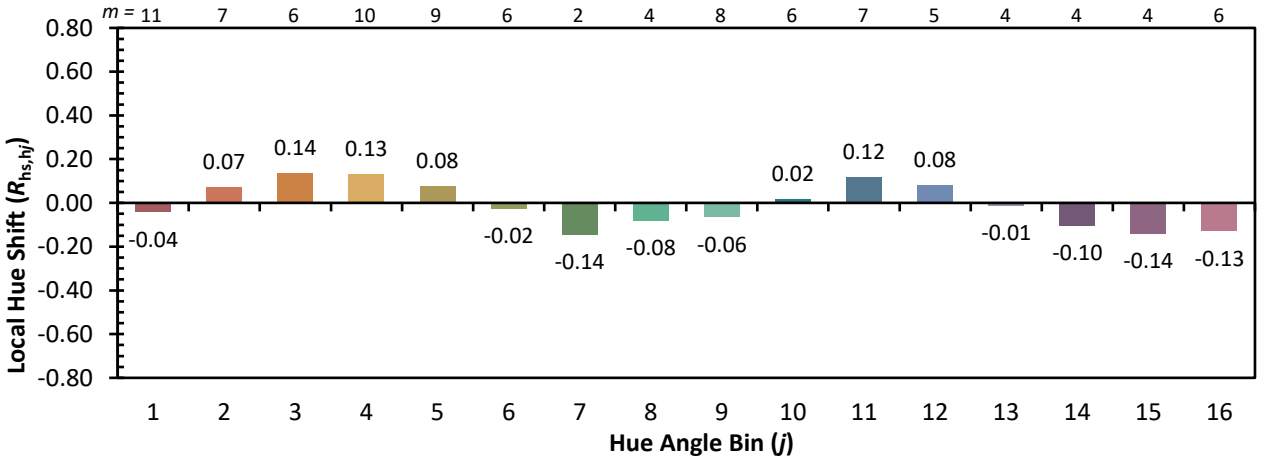


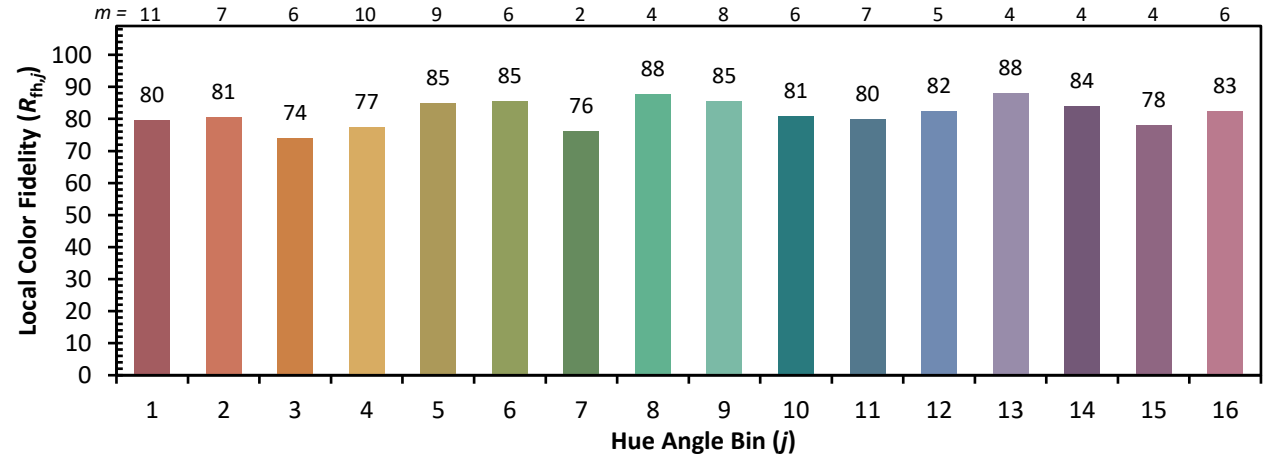
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



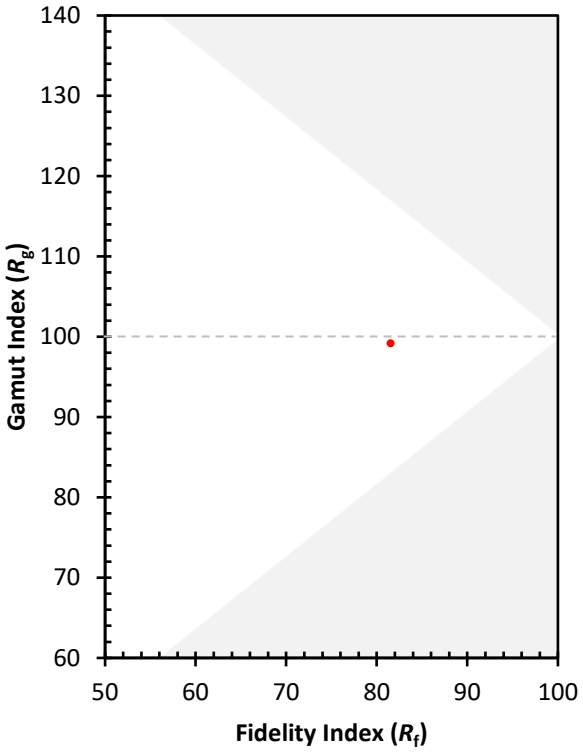


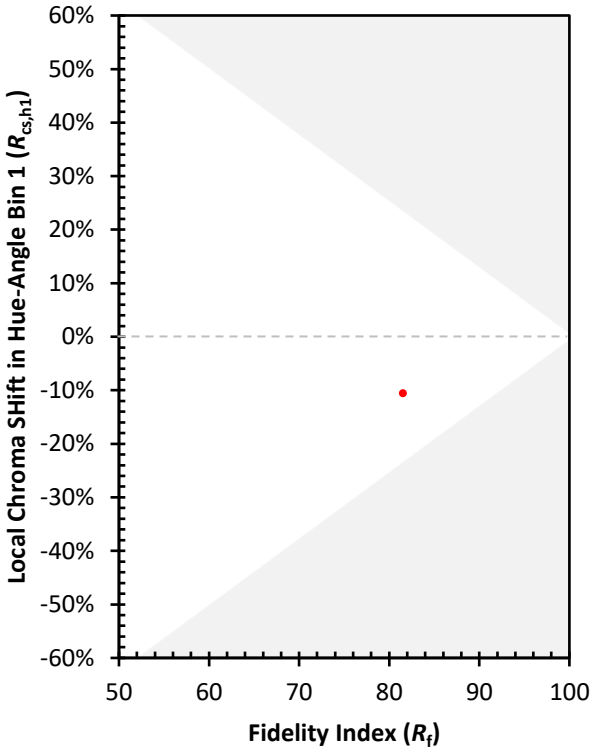


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)