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: P385843

Luminaire Tested: **GPC-SA1B-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:	P385843
	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-SA1B-830-U-T4FT
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4879 lumens
Efficiency:	N/A
Efficacy:	110.9 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

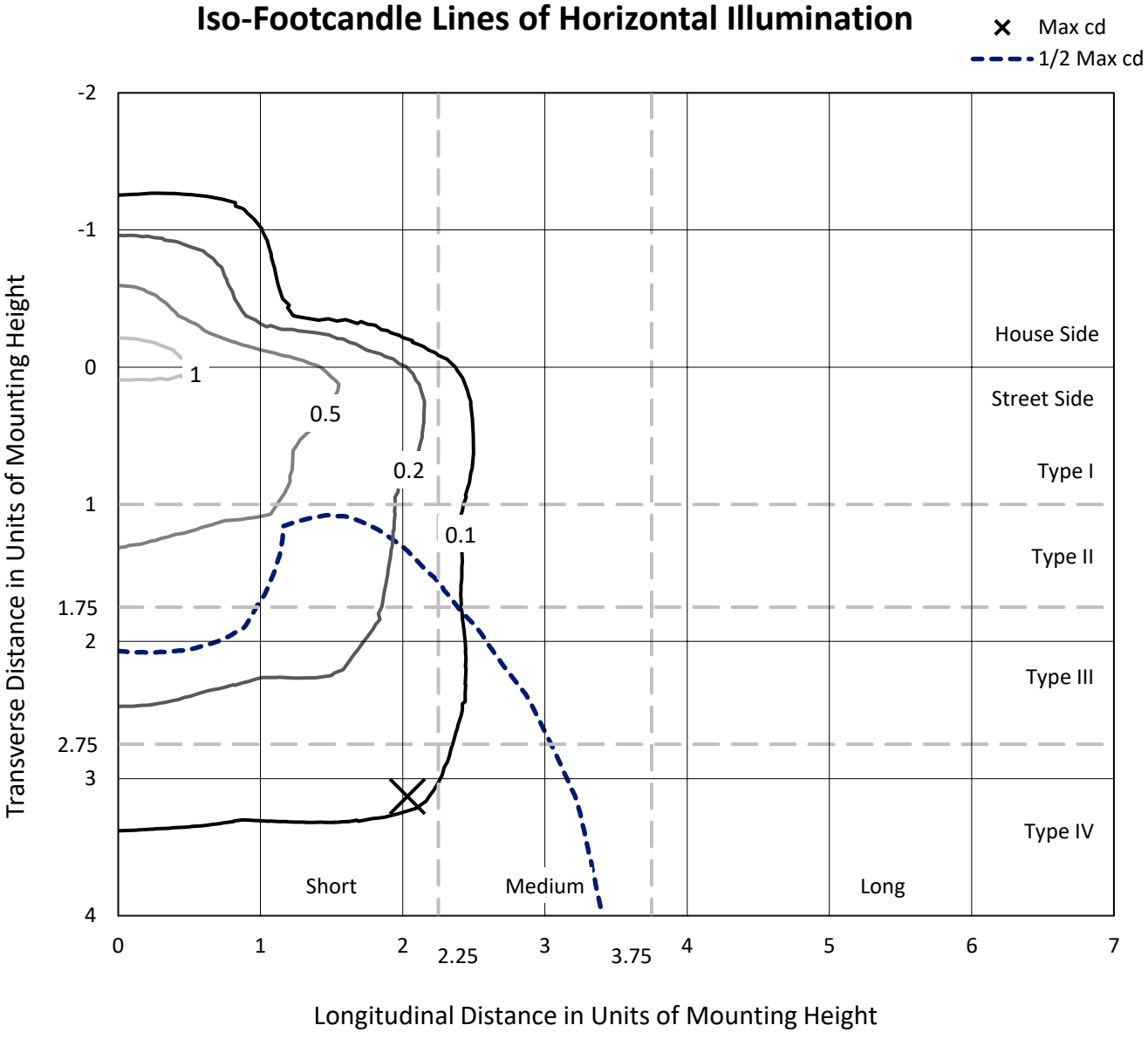
Input Watts (W):	44
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P385843
CATALOG NUMBER: GPC-SA1B-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



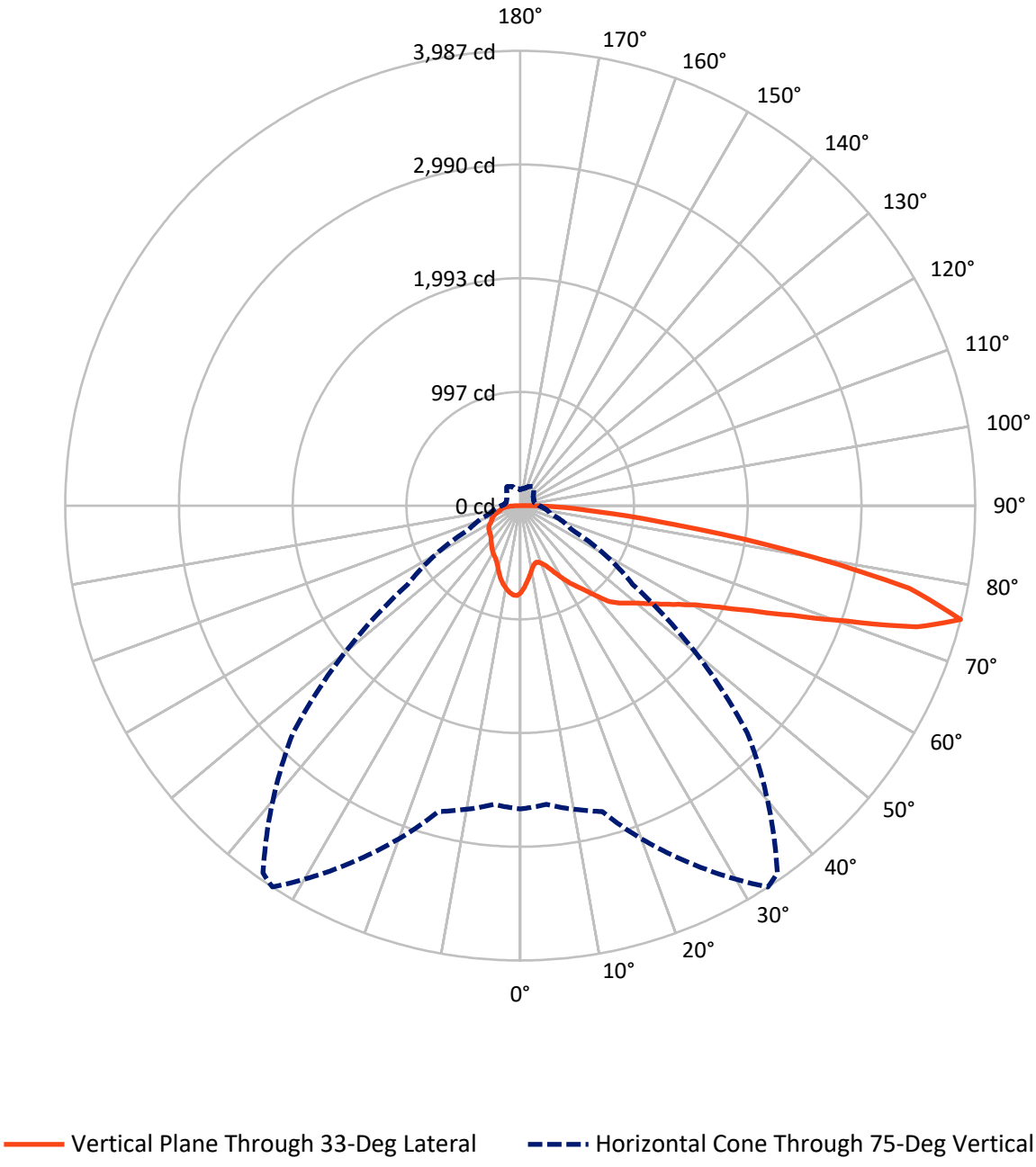
Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P385843
CATALOG NUMBER: GPC-SA1B-830-U-T4FT

Luminous Intensity Polar Plot



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

Scaled Data Report

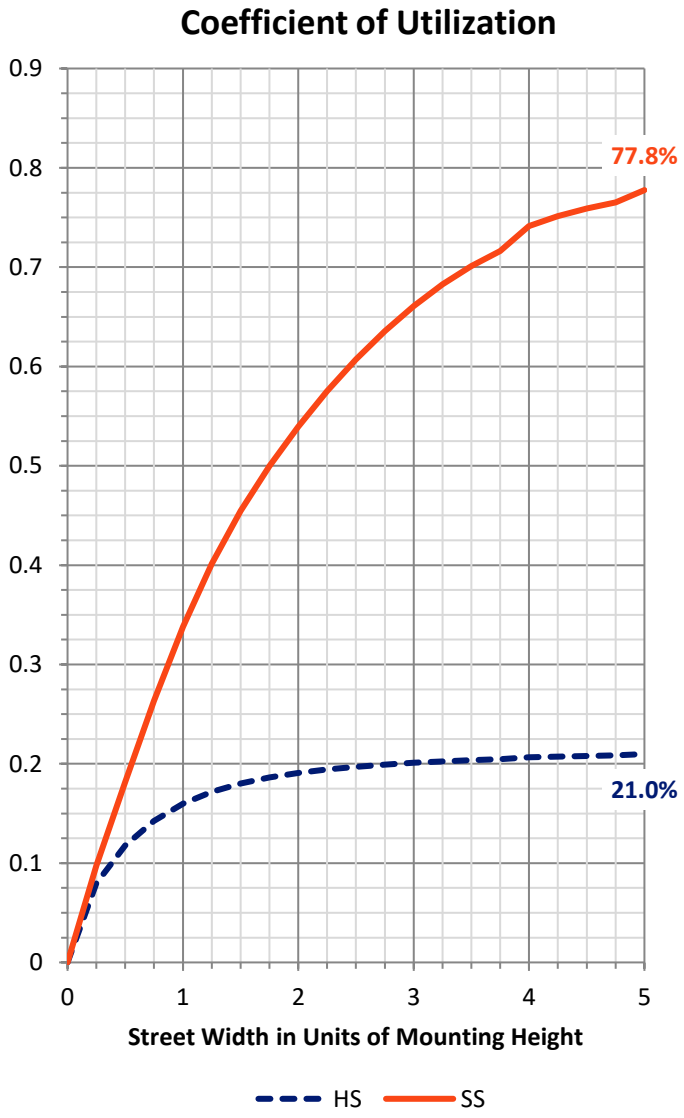
REPORT NUMBER: P385843
CATALOG NUMBER: GPC-SA1B-830-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1047.7	0.0	1047.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3831.3	0.0	3831.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	4879.0	0.0	4879.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.4
10°-20°	186.8	3.8
20°-30°	305.1	6.3
30°-40°	454.3	9.3
40°-50°	651.6	13.4
50°-60°	894.6	18.3
60°-70°	1120.0	23.0
70°-80°	1013.2	20.8
80°-90°	184.6	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°	4879.0	100.0
0°-180°	4879.0	100.0



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

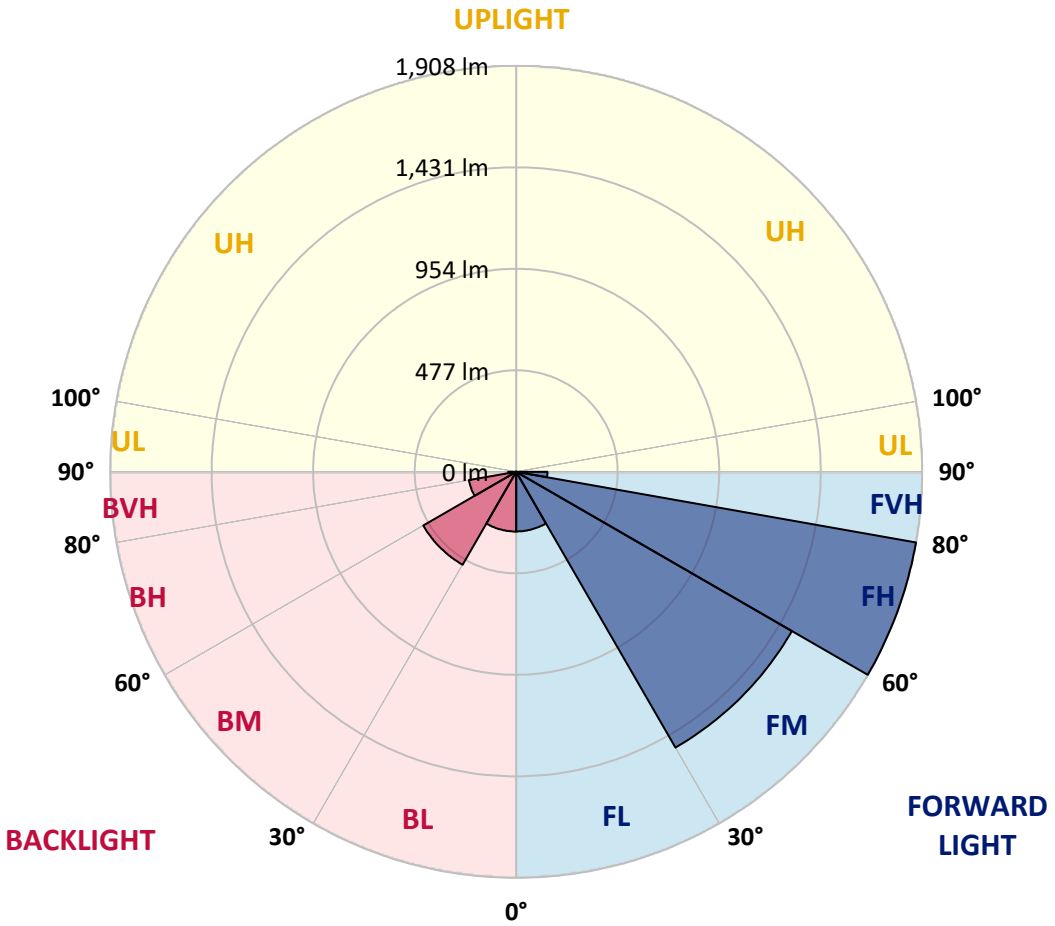
Scaled Data Report

REPORT NUMBER: P385843
CATALOG NUMBER: GPC-SA1B-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	280.2	5.7			
FM	(30°-60°)	1496.3	30.7			
FH	(60°-80°)	1907.9	39.1			G2/5000
FVH	(80°-90°)	147.0	3.0			G2/225
BL	(0°-30°)	280.6	5.8	B1/500		
BM	(30°-60°)	504.2	10.3	B1/1000		
BH	(60°-80°)	225.3	4.6	B1/500		G1/500
BVH	(80°-90°)	37.6	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



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

Scaled Data Report

REPORT NUMBER: P385843
CATALOG NUMBER: GPC-SA1B-830-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	762.6	762.6	762.6	762.6	762.6	762.6	762.6	762.6	762.6	762.6	762.6
2.5°	708.2	705.5	710.5	711.2	715.6	717.3	723.3	732.8	740.5	749.5	757.6
5°	644.0	642.1	649.2	654.2	663.9	667.9	682.2	702.3	720.1	740.4	758.7
7.5°	583.0	581.9	589.9	601.3	612.5	618.0	642.8	671.9	701.8	734.5	762.6
10°	531.6	531.2	538.8	550.1	566.4	572.7	604.7	643.1	684.9	729.9	769.2
12.5°	502.7	503.9	507.5	516.9	532.1	538.3	573.9	619.0	670.8	728.4	778.8
15°	509.8	511.7	505.6	505.3	516.1	520.9	554.3	601.8	660.7	730.9	792.8
17.5°	540.0	540.3	524.3	514.2	520.8	523.3	548.2	592.1	654.8	736.7	810.3
20°	582.5	581.6	553.3	536.4	540.0	540.7	556.8	592.2	654.2	746.6	833.1
22.5°	638.7	632.5	594.4	571.5	570.7	569.6	578.9	604.7	661.7	762.8	860.2
25°	712.2	706.3	653.9	622.6	615.8	613.3	614.6	631.3	676.3	780.1	890.5
27.5°	794.0	783.7	733.1	688.8	674.8	671.3	663.2	668.9	692.3	796.8	926.6
30°	862.4	856.8	812.7	760.1	743.6	738.5	717.3	711.0	715.4	819.6	972.1
32.5°	900.6	896.9	870.1	827.7	812.3	805.3	775.3	762.8	752.5	855.5	1033.8
35°	947.0	944.6	928.5	897.6	874.9	867.4	844.2	831.2	804.7	904.9	1113.5
37.5°	1006.0	1003.4	1003.8	978.8	951.7	944.8	929.5	915.8	872.5	969.7	1200.1
40°	1072.7	1067.8	1066.0	1064.8	1047.6	1043.7	1035.6	1017.1	957.4	1047.3	1285.6
42.5°	1173.2	1155.8	1118.7	1132.7	1149.7	1147.7	1154.3	1127.7	1051.8	1139.0	1369.0
45°	1270.1	1241.6	1177.5	1180.6	1217.8	1229.1	1278.3	1259.5	1154.1	1239.4	1455.3
47.5°	1314.2	1292.7	1238.2	1238.4	1275.3	1298.7	1406.6	1393.1	1261.6	1353.5	1560.6
50°	1363.6	1342.0	1293.2	1311.5	1343.7	1368.7	1530.5	1523.5	1363.9	1478.4	1686.9
52.5°	1417.5	1381.0	1350.0	1382.8	1428.0	1457.0	1654.5	1635.6	1457.8	1604.1	1832.0
55°	1418.2	1408.3	1431.9	1456.0	1523.5	1559.1	1784.4	1734.5	1534.3	1727.6	1950.1
57.5°	1498.9	1482.8	1532.8	1543.9	1632.2	1672.4	1913.7	1820.7	1612.2	1822.4	2013.8
60°	1605.8	1592.0	1632.9	1662.2	1766.7	1820.3	2051.7	1909.1	1673.4	1893.8	2010.8
62.5°	1790.3	1774.7	1774.2	1815.3	1956.0	2018.4	2206.6	1995.9	1697.6	1908.0	1925.0
65°	2060.5	2035.6	1988.5	2008.1	2217.4	2279.6	2379.7	2058.8	1665.6	1832.1	1704.0
67.5°	2323.4	2322.6	2264.8	2304.9	2562.6	2612.4	2576.9	2065.0	1565.7	1568.0	1312.0
70°	2585.5	2588.8	2579.1	2718.6	3028.9	3080.8	2786.9	1981.3	1341.0	1132.4	786.0
72.5°	2793.1	2792.3	2841.5	3201.3	3634.1	3622.5	2963.8	1727.5	962.8	611.3	375.7
75°	2658.6	2629.3	2775.9	3440.3	3986.8	3930.0	2813.3	1205.0	499.7	278.2	202.2
77.5°	1734.0	1761.9	1977.1	2842.0	3487.3	3418.2	2064.0	562.2	235.4	182.5	146.6
80°	628.0	657.3	925.8	1609.8	2402.6	2391.3	1016.4	231.1	159.3	137.9	106.9
82.5°	216.1	226.8	365.2	714.9	1356.5	1407.1	382.4	131.3	115.8	97.7	73.1
85°	84.8	97.1	167.0	344.0	684.2	689.3	154.9	78.5	80.6	64.0	40.1
87.5°	32.2	39.1	79.9	159.8	312.5	287.0	55.4	37.4	45.8	38.1	19.0
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: P385843
CATALOG NUMBER: GPC-SA1B-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	762.6	762.6	762.6	762.6	762.6	762.6	762.6	762.6	762.6	762.6	762.6
2.5°	763.8	767.3	774.7	779.8	785.2	786.7	787.4	788.7	790.1	789.6	789.7
5°	768.5	775.4	787.4	792.4	794.8	792.1	786.9	782.7	779.6	778.0	777.4
7.5°	776.3	786.0	798.8	798.0	792.6	780.6	767.2	757.1	748.6	745.6	743.9
10°	786.5	798.0	806.9	797.3	781.7	760.9	740.7	725.0	712.4	707.5	706.7
12.5°	799.7	811.3	813.0	792.6	766.7	738.3	710.9	690.1	671.3	665.2	663.9
15°	816.7	827.7	817.2	784.4	748.1	710.0	674.5	646.3	626.4	619.0	616.3
17.5°	834.6	845.0	818.1	770.7	723.9	676.5	631.8	603.0	580.3	571.7	570.7
20°	856.0	860.7	814.5	751.2	690.5	633.0	586.0	558.9	546.7	540.7	540.0
22.5°	882.4	877.4	806.4	724.7	648.2	582.8	544.5	531.9	528.9	527.5	528.0
25°	910.4	894.9	794.5	690.1	594.8	532.6	514.2	517.7	521.8	521.3	521.3
27.5°	941.3	912.8	776.1	644.3	535.6	491.4	493.6	506.6	512.7	512.5	512.3
30°	980.9	933.0	752.7	589.2	480.3	462.5	475.8	491.6	499.9	499.5	499.7
32.5°	1029.6	955.2	720.8	527.7	440.4	441.1	456.4	472.1	481.7	480.8	481.0
35°	1086.5	980.2	677.7	467.0	413.9	424.0	436.2	447.1	456.2	455.0	453.9
37.5°	1148.6	1004.6	620.4	412.7	392.3	408.2	418.3	420.2	424.4	421.3	419.1
40°	1207.5	1023.3	546.6	368.2	370.6	394.7	401.3	393.9	386.3	385.3	382.2
42.5°	1258.9	1029.6	471.9	332.7	347.7	380.5	384.6	369.1	355.4	349.0	346.3
45°	1313.2	1031.8	402.3	302.9	325.6	367.9	372.3	351.6	332.3	318.5	314.0
47.5°	1384.2	1047.6	348.2	280.8	308.8	359.5	365.7	337.6	312.6	292.9	288.7
50°	1477.0	1079.0	304.2	263.9	297.8	353.9	361.0	323.9	296.5	272.7	268.5
52.5°	1580.2	1107.8	268.6	250.3	287.2	344.1	354.9	314.1	281.3	254.0	249.4
55°	1652.3	1085.7	240.0	236.1	273.4	330.2	346.5	305.9	259.5	235.8	231.7
57.5°	1666.1	1010.2	218.3	221.5	256.7	312.6	333.5	287.5	247.7	227.9	223.6
60°	1628.4	905.0	202.1	208.0	238.8	290.6	309.3	274.5	236.5	219.4	215.9
62.5°	1533.5	797.3	190.1	195.8	222.1	268.1	294.1	260.9	225.0	209.8	206.3
65°	1341.9	669.4	178.6	185.1	206.6	248.8	280.4	248.3	213.7	202.1	198.7
67.5°	1012.9	501.4	167.9	173.6	192.8	231.9	265.6	235.8	202.7	195.3	191.3
70°	596.4	314.0	155.6	161.6	178.3	214.4	249.8	222.1	189.1	185.7	180.5
72.5°	277.6	188.9	141.6	147.5	160.1	190.9	229.4	204.3	172.9	165.5	158.4
75°	*165.7*	*138.2*	*125.1*	*130.3*	*139.2*	*166.0*	*203.8*	*186.1*	*157.6*	*147.8*	*140.4*
77.5°	123.9	105.7	106.9	112.4	119.7	145.3	180.5	171.7	145.8	138.2	133.1
80°	89.2	80.2	87.1	93.2	100.8	132.1	172.9	158.8	131.8	121.7	117.0
82.5°	59.5	57.6	65.6	71.8	79.2	115.6	162.5	139.0	112.6	99.8	89.3
85°	32.9	34.7	44.2	46.9	53.3	81.4	133.1	111.7	84.8	68.3	65.2
87.5°	13.7	16.0	23.8	22.9	28.3	48.5	87.6	67.4	53.9	40.3	31.3
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

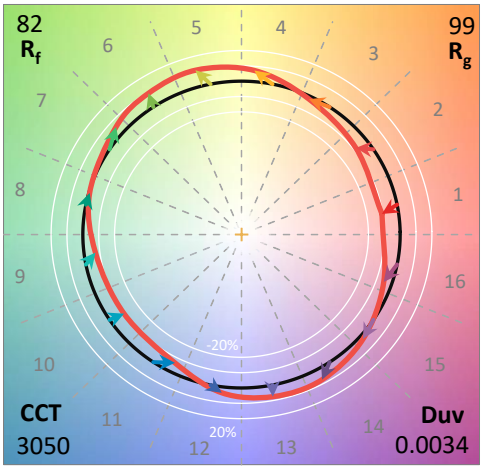
Test Information

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

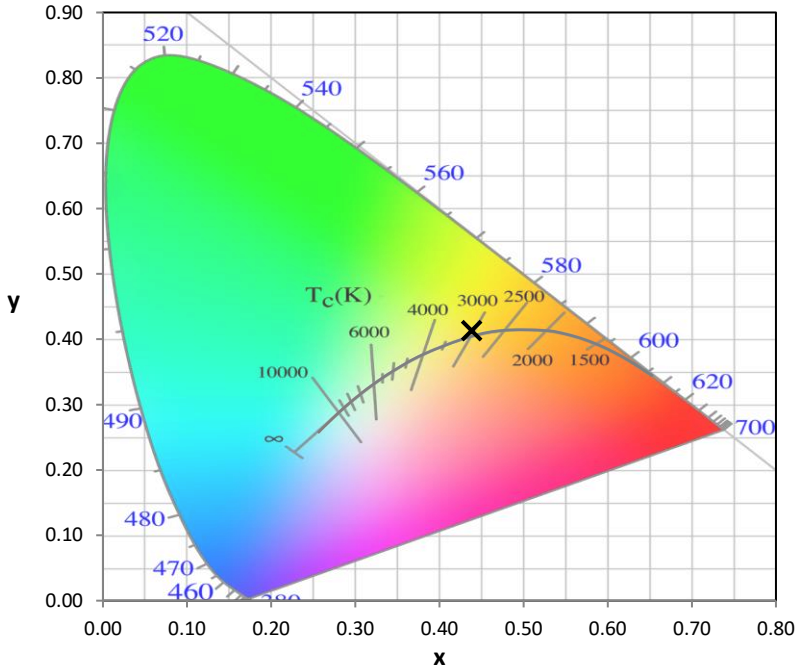
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

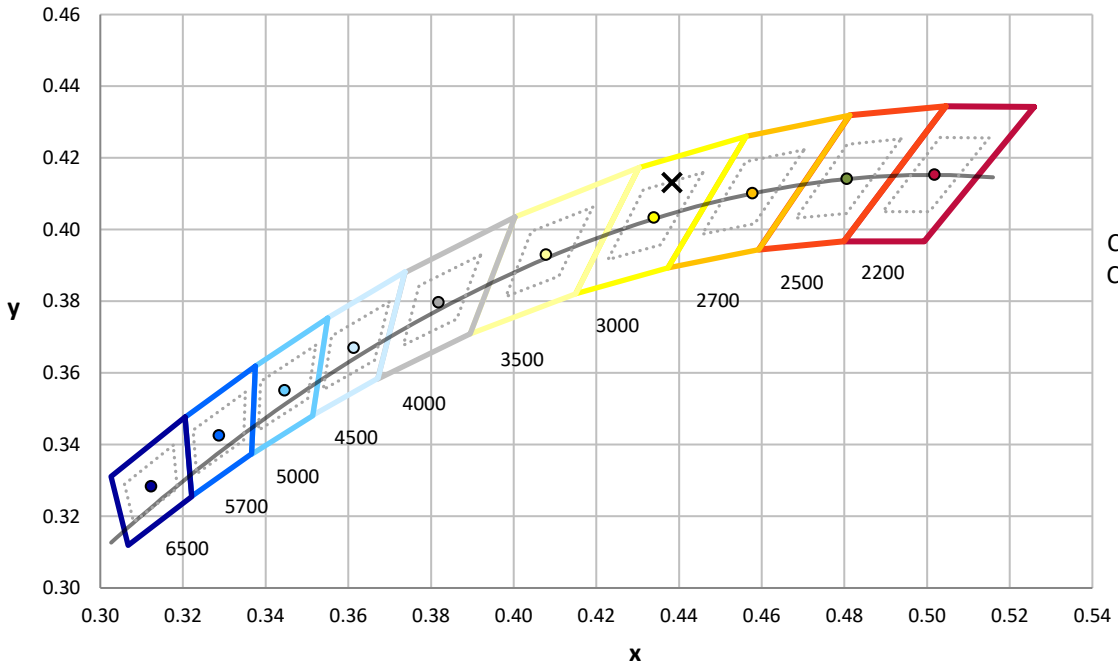
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

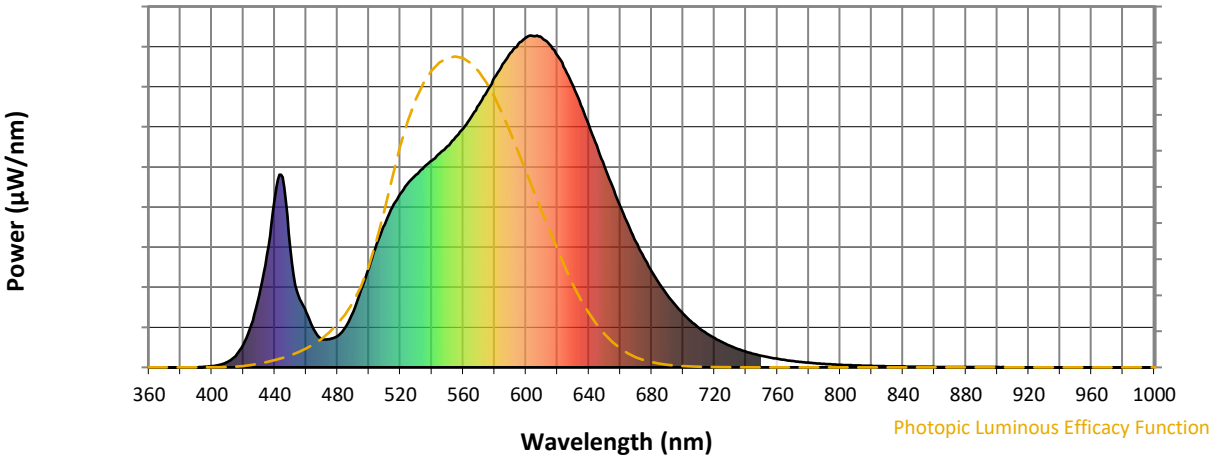


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

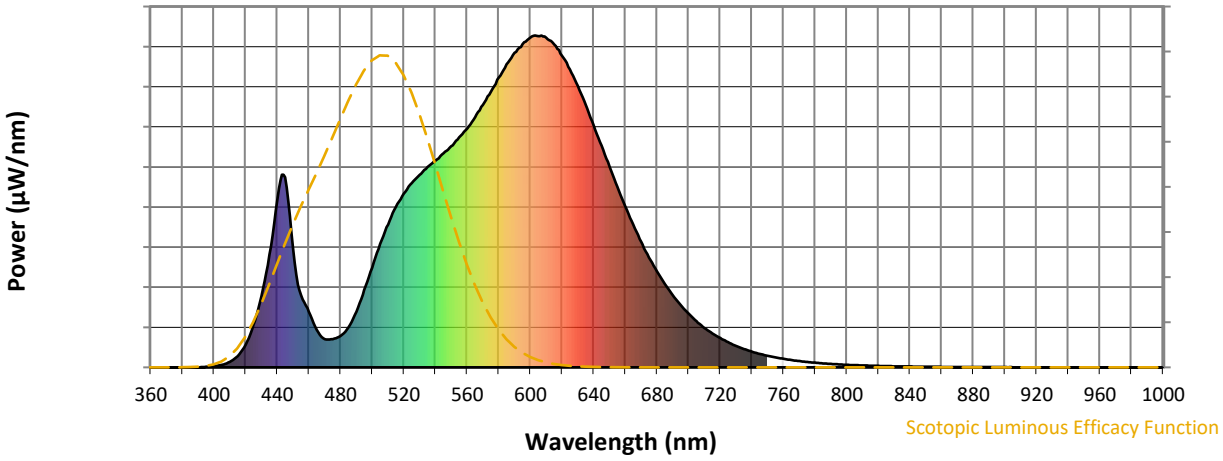


Photopic Lumens: NR

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

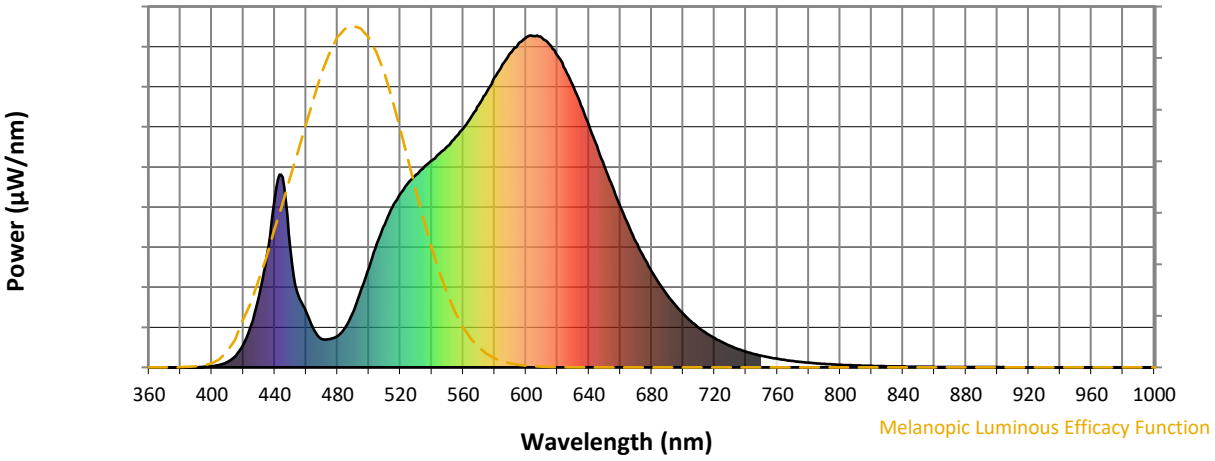


Scotopic Lumens: NR **S/P: 1.27**

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			

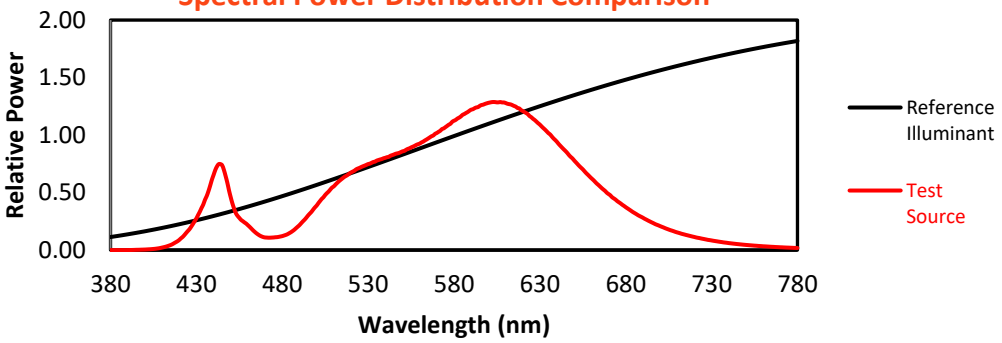
REPORT NUMBER: SP1-2408-195-9

TM-30-18

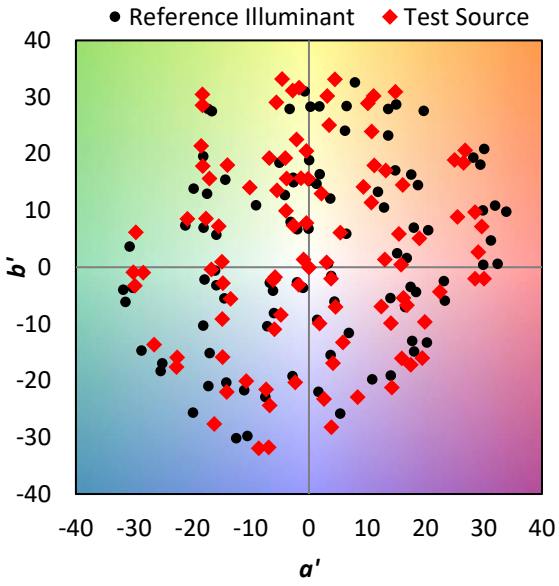
Summary

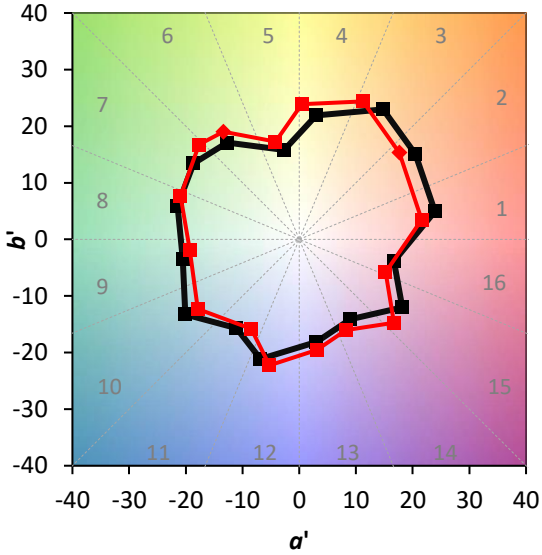
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

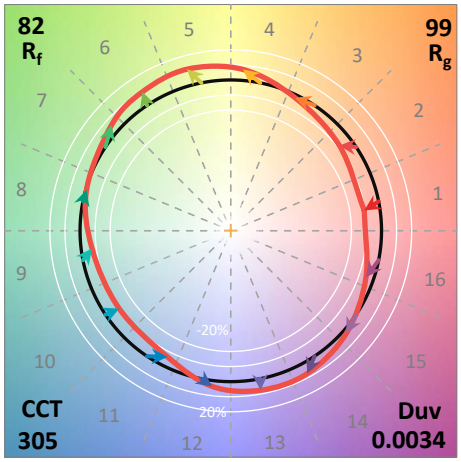
Spectral Power Distribution Comparison

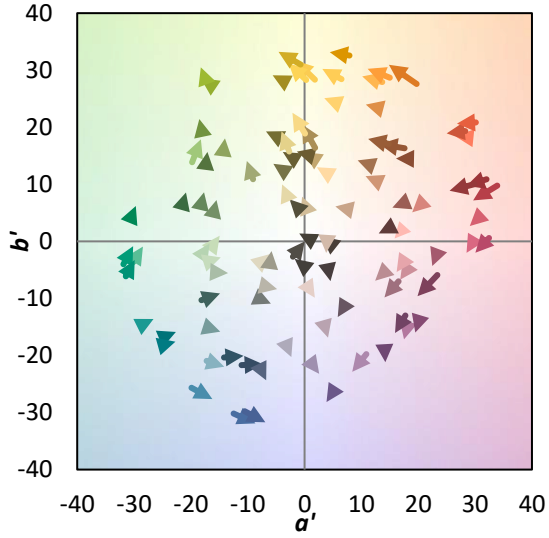


Color Vector Graphics







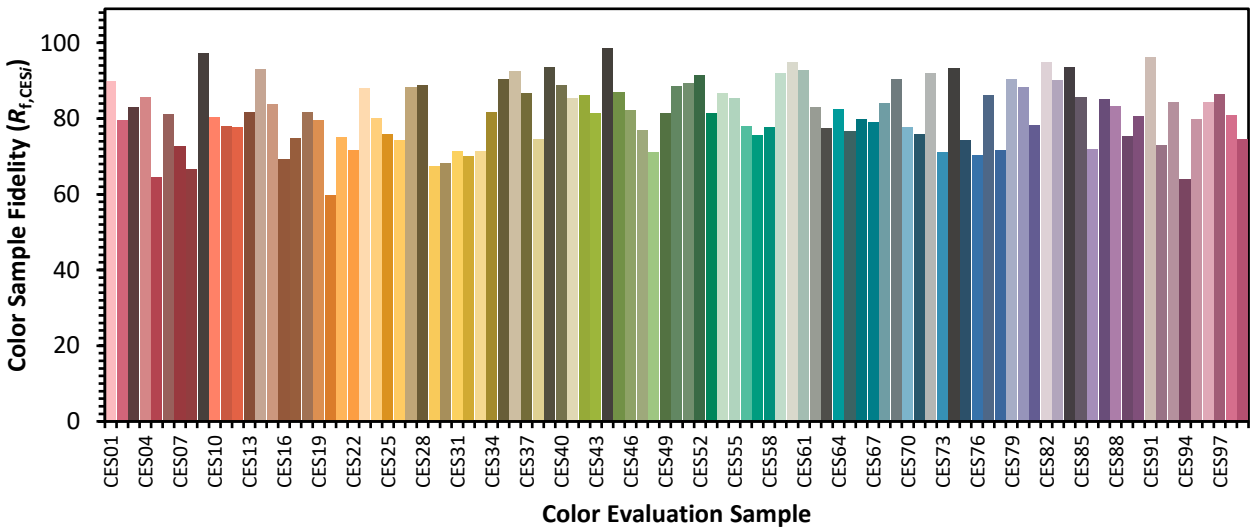


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

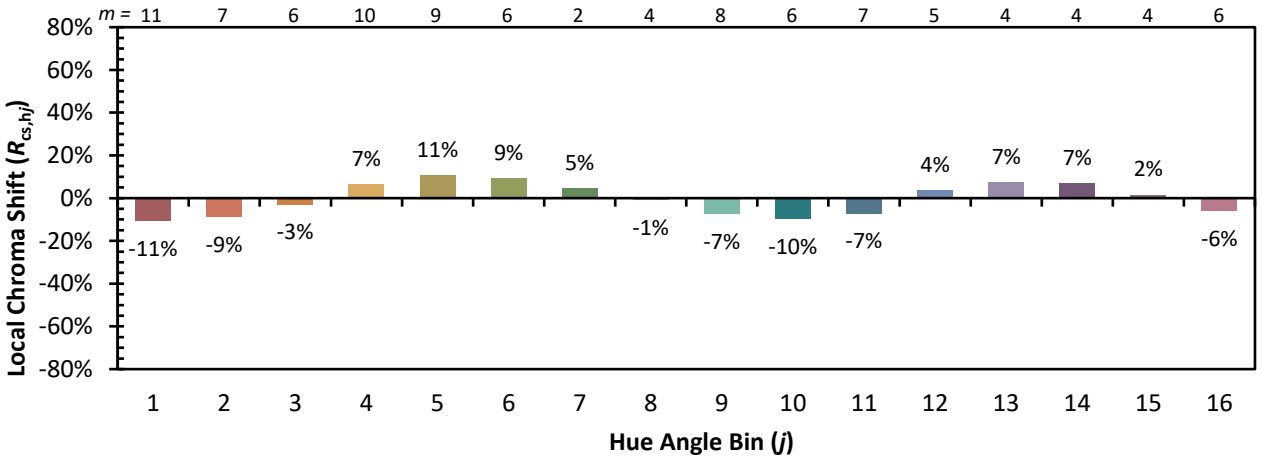
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

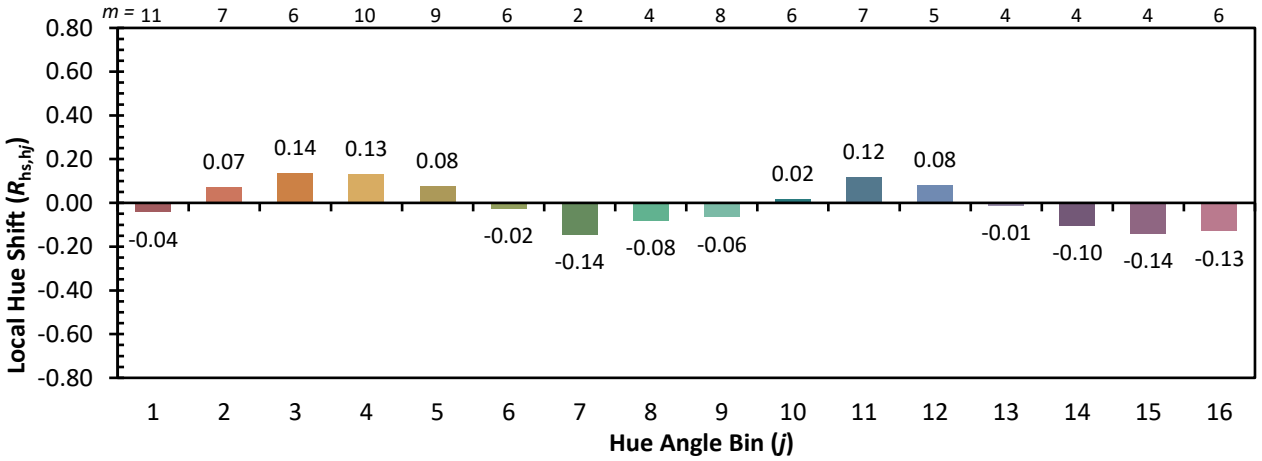


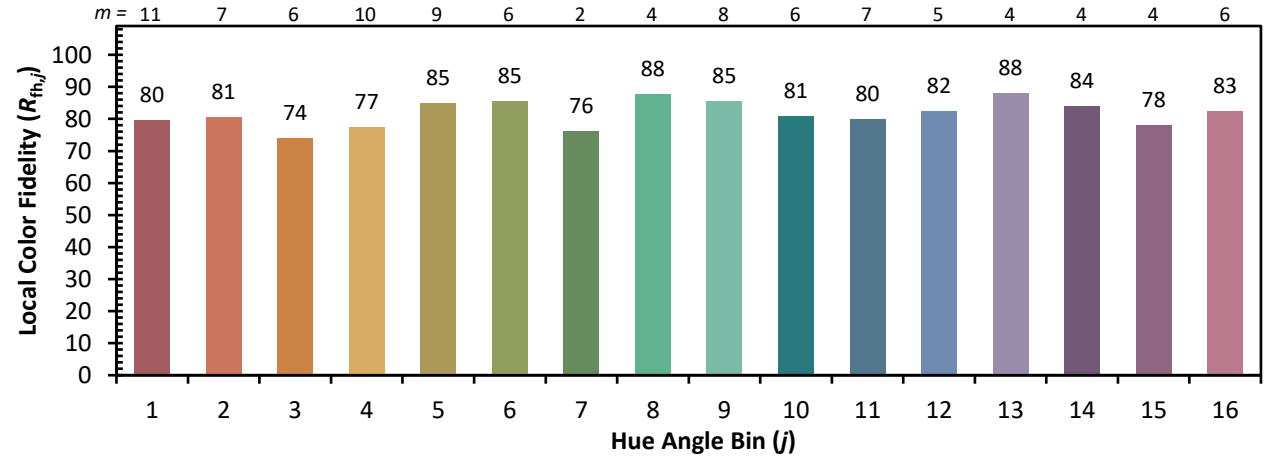
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



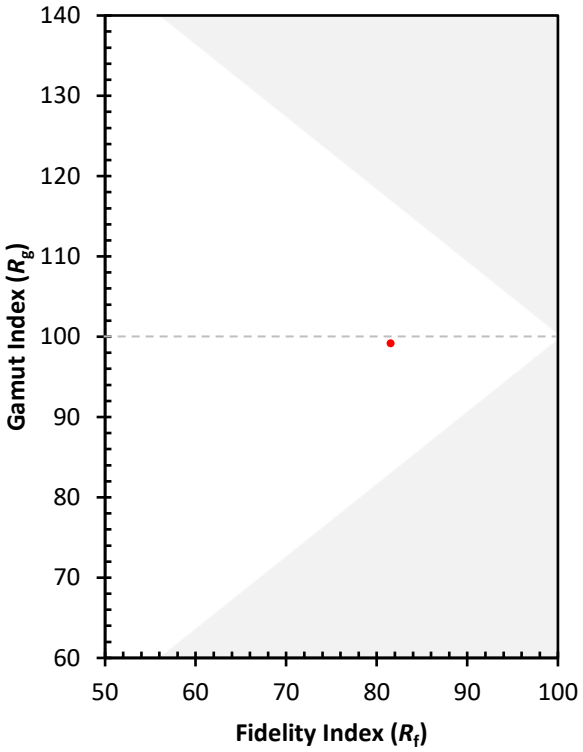


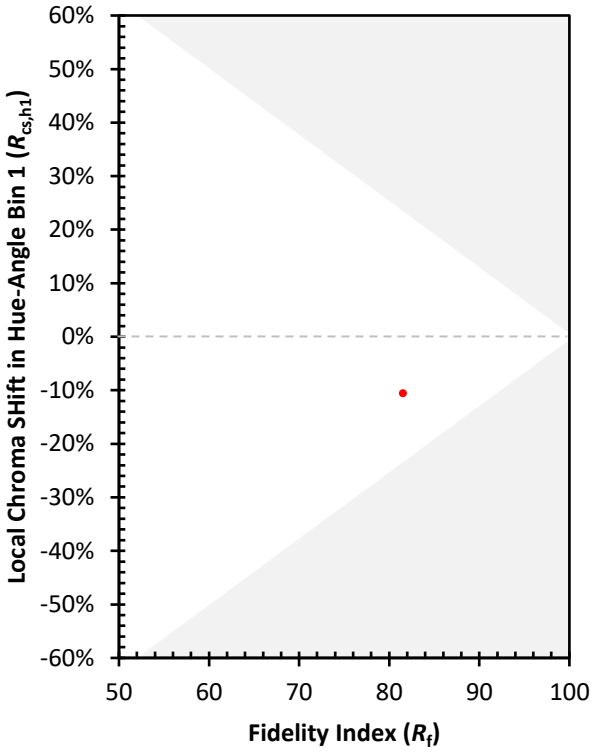


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)