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: P385611

Luminaire Tested: **GPC-SA1A-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:	P385611
	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-SA1A-830-U-T2
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3880 lumens
Efficiency:	N/A
Efficacy:	114.1 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

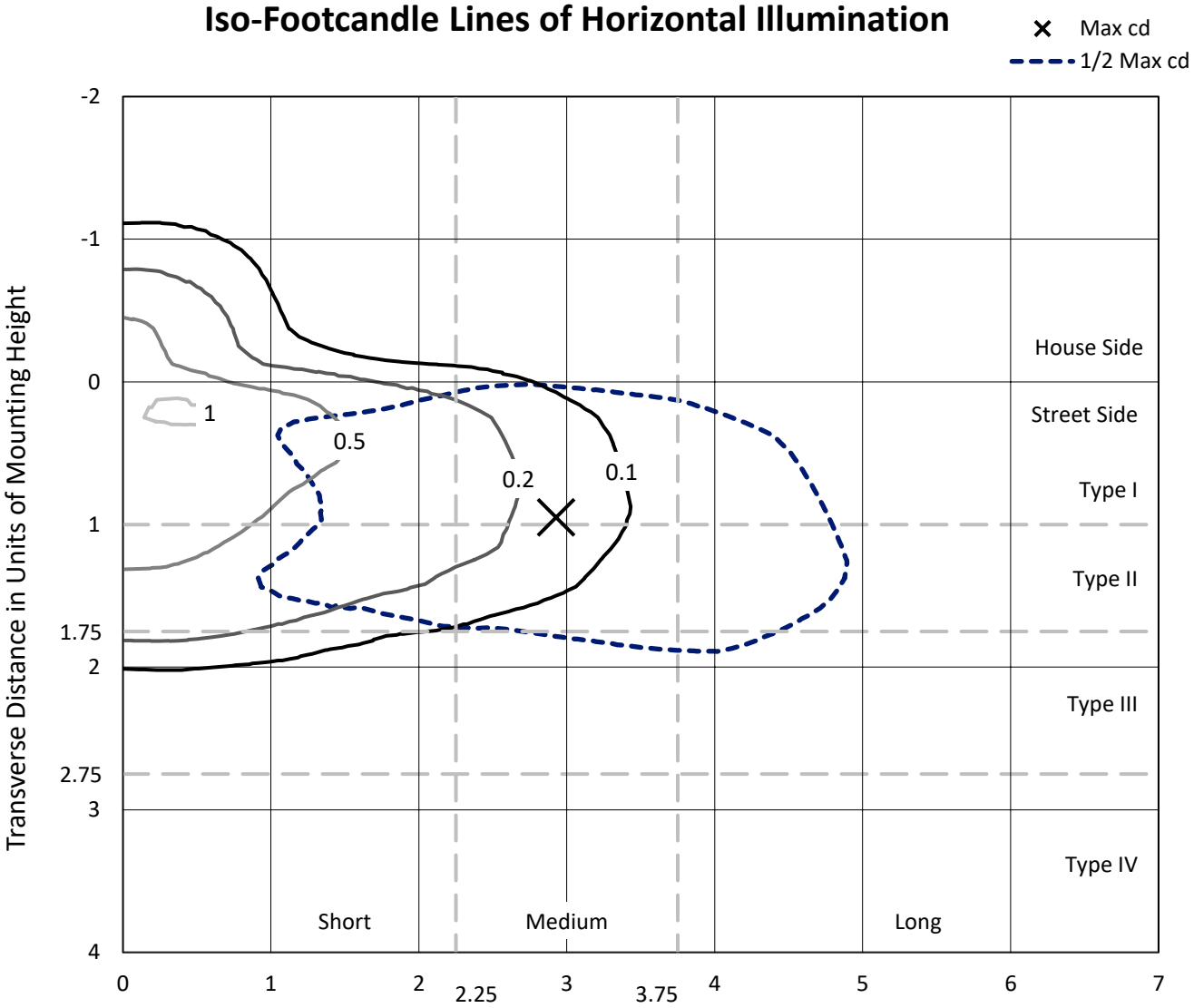
Input Watts (W):	34
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P385611
CATALOG NUMBER: GPC-SA1A-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination



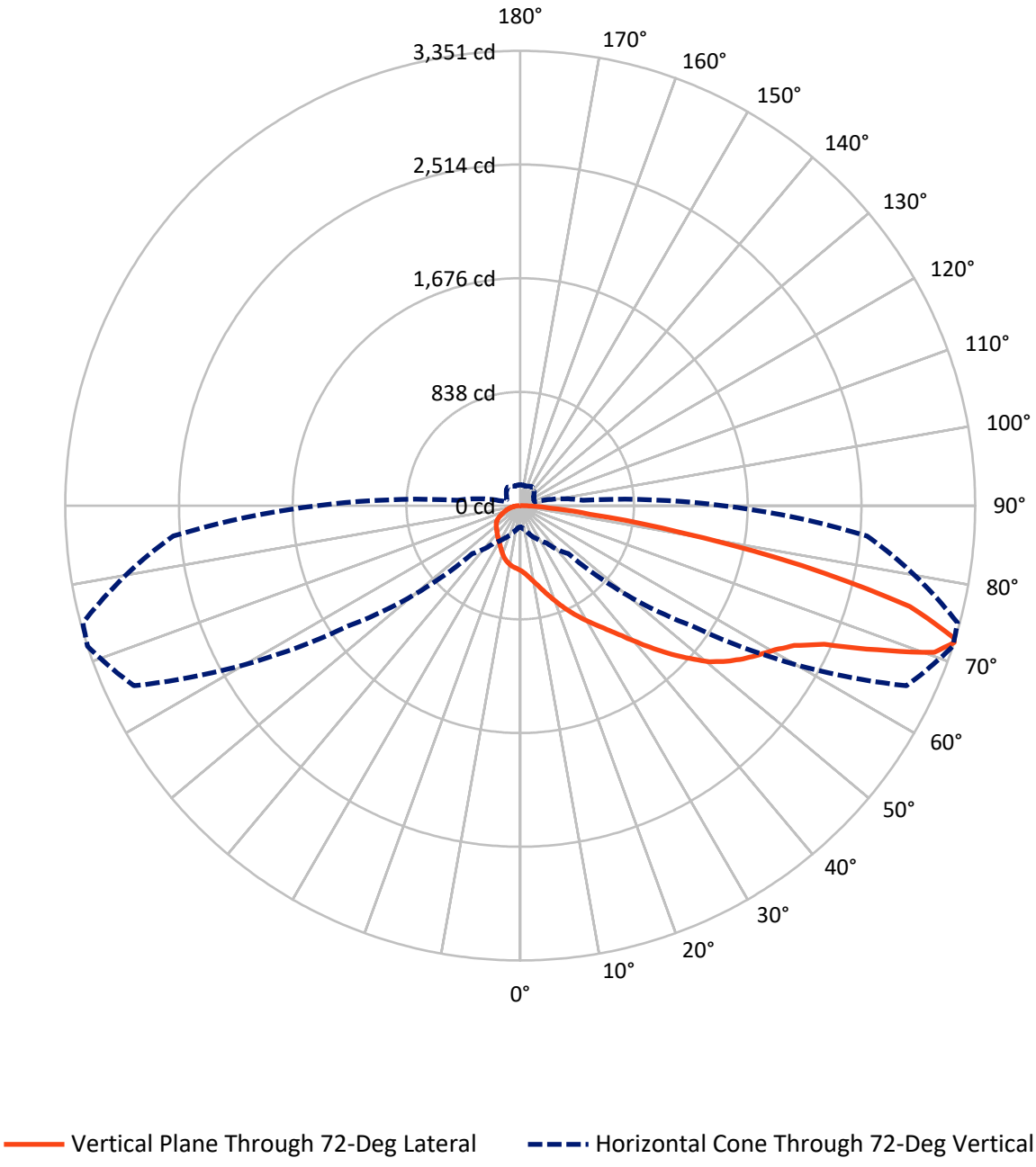
Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P385611
CATALOG NUMBER: GPC-SA1A-830-U-T2

Luminous Intensity Polar Plot



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

Scaled Data Report

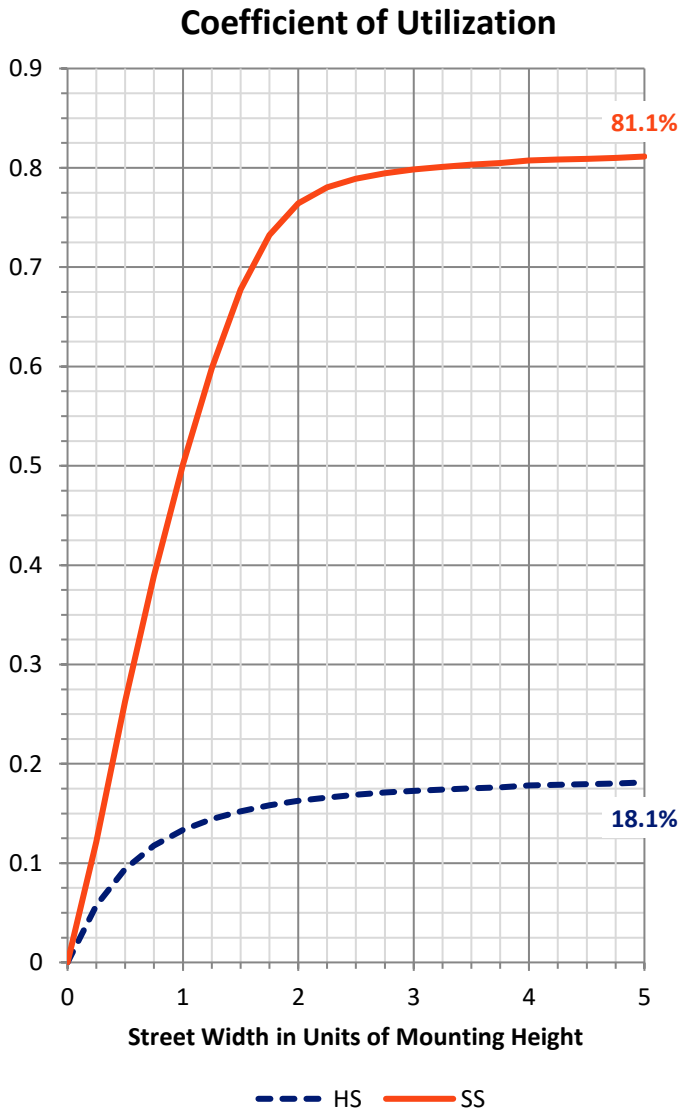
REPORT NUMBER: P385611
CATALOG NUMBER: GPC-SA1A-830-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	719.8	0.0	719.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	3160.2	0.0	3160.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	3880.0	0.0	3880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.2
10°-20°	154.6	4.0
20°-30°	270.8	7.0
30°-40°	401.6	10.4
40°-50°	587.3	15.1
50°-60°	808.2	20.8
60°-70°	899.8	23.2
70°-80°	609.7	15.7
80°-90°	100.2	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°	3880.0	100.0
0°-180°	3880.0	100.0



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

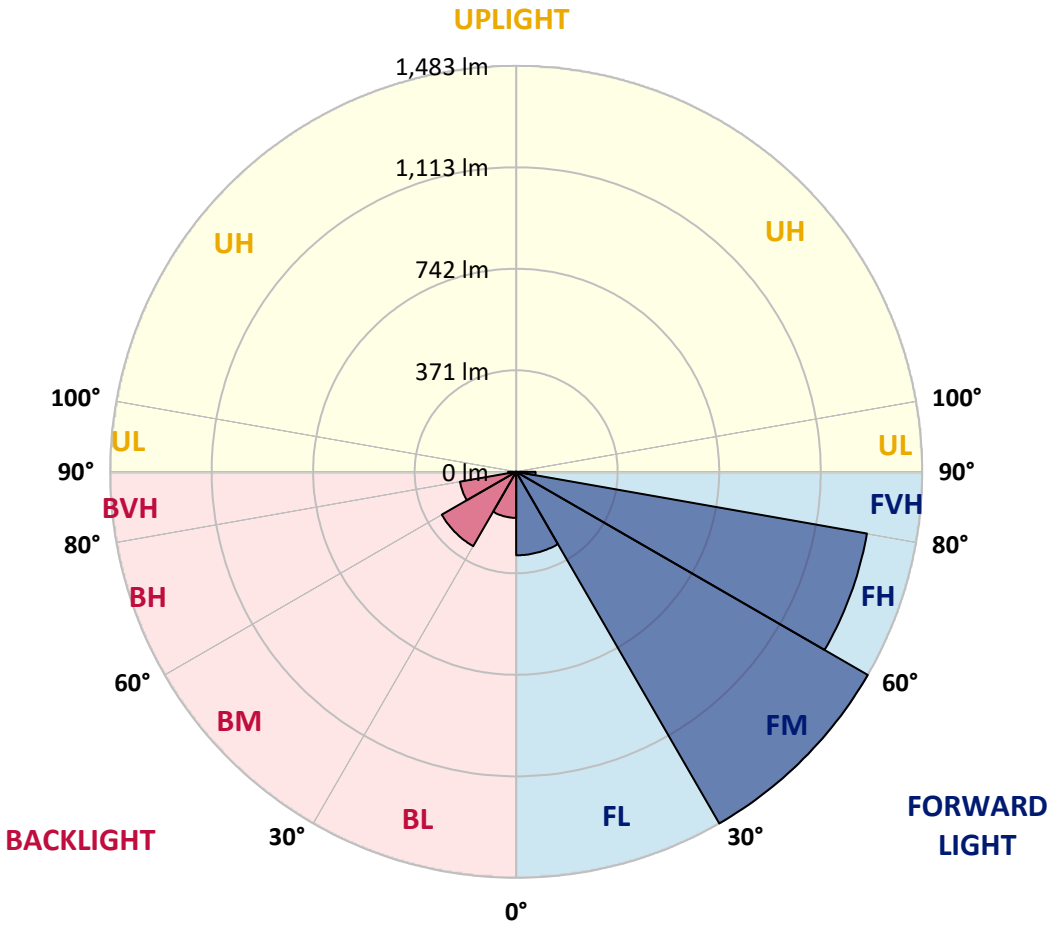
Scaled Data Report

REPORT NUMBER: P385611
CATALOG NUMBER: GPC-SA1A-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	305.0	7.9			
FM	(30°-60°)	1483.4	38.2			
FH	(60°-80°)	1301.2	33.5			G1/1800
FVH	(80°-90°)	70.7	1.8			G1/100
BL	(0°-30°)	168.3	4.3	B1/500		
BM	(30°-60°)	313.7	8.1	B1/1000		
BH	(60°-80°)	208.2	5.4	B1/500		G1/500
BVH	(80°-90°)	29.5	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: P385611
CATALOG NUMBER: GPC-SA1A-830-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	*477.3*	477.3	477.3
2.5°	527.3	526.5	523.7	523.7	518.4	513.8	505.3	499.5	*492.7*	490.3	482.3
5°	578.3	578.6	575.1	572.7	564.8	555.2	540.7	527.4	*514.2*	508.9	492.4
7.5°	621.2	620.7	619.8	617.8	610.4	600.5	580.9	561.2	*541.7*	533.7	505.4
10°	648.7	649.9	650.7	651.7	648.6	641.5	623.0	599.0	*573.5*	562.6	520.9
12.5°	662.6	664.8	668.5	674.9	680.0	679.2	665.7	640.3	*610.0*	596.2	540.3
15°	670.8	673.6	679.5	691.0	705.3	713.4	709.8	686.8	*653.0*	636.1	563.9
17.5°	675.9	678.1	687.2	702.6	723.8	745.5	755.0	735.7	*701.7*	682.3	591.0
20°	679.3	681.1	692.4	710.5	738.0	772.5	798.9	794.1	*755.2*	730.1	619.4
22.5°	687.1	688.6	699.4	717.5	748.0	792.5	841.3	848.5	*811.7*	783.3	649.7
25°	708.7	708.7	717.8	730.5	759.1	809.9	877.1	909.0	*869.4*	836.3	677.7
27.5°	750.0	749.6	753.0	757.4	779.0	827.5	909.0	962.4	*929.3*	893.1	705.0
30°	798.9	801.6	802.0	799.8	810.0	849.5	938.5	1018.8	*989.6*	950.5	732.9
32.5°	861.8	863.6	861.6	854.5	853.0	880.8	967.5	1077.9	*1054.7*	1010.5	758.4
35°	941.7	938.4	932.1	917.7	903.9	922.6	1000.6	1136.9	*1128.0*	1083.1	793.6
37.5°	1027.4	1027.5	1019.7	987.0	968.0	976.1	1046.3	1203.8	*1216.5*	1169.4	838.6
40°	1096.0	1099.6	1104.4	1061.4	1036.8	1047.9	1104.4	1281.5	*1321.3*	1271.7	897.2
42.5°	1144.0	1148.1	1161.8	1134.8	1109.3	1129.8	1172.8	1364.3	*1438.8*	1389.8	965.9
45°	1194.8	1197.0	1206.6	1195.0	1178.7	1225.1	1249.9	1450.1	*1563.2*	1515.7	1042.7
47.5°	1248.2	1250.6	1260.5	1252.7	1244.2	1314.1	1330.4	1530.9	*1682.4*	1653.9	1124.8
50°	1314.2	1315.8	1325.1	1311.1	1313.8	1381.1	1402.2	1605.0	*1807.3*	1778.2	1207.0
52.5°	1404.2	1404.6	1417.6	1404.9	1392.3	1430.3	1464.1	1674.9	*1905.2*	1891.5	1289.3
55°	1474.8	1479.0	1521.5	1518.9	1511.6	1474.9	1515.8	1741.4	*1992.6*	1999.1	1376.7
57.5°	1429.8	1446.5	1532.5	1593.1	1652.2	1585.9	1585.7	1816.4	*2073.8*	2104.8	1472.8
60°	1252.2	1274.9	1401.7	1536.2	1721.0	1779.1	1730.7	1907.9	*2155.9*	2209.6	1593.1
62.5°	894.3	931.7	1103.5	1318.3	1626.7	1907.1	2026.0	2053.1	*2267.4*	2330.9	1749.6
65°	452.1	480.4	624.4	883.2	1299.6	1823.5	2346.9	2371.1	*2461.3*	2517.6	1990.5
67.5°	274.7	285.4	355.6	491.2	796.8	1420.4	2451.6	2901.1	*2836.4*	2866.3	2333.9
70°	202.4	210.3	254.1	326.2	458.2	833.5	2130.2	3279.3	*3236.8*	3233.4	2587.8
72°	*157.6*	*163.4*	*202.1*	*263.6*	*335.1*	*500.1*	*1544.0*	*3139.7*	*3351.4*	*3334.6*	*2564.5*
72.5°	149.5	154.6	189.8	248.1	316.6	453.3	1388.2	3045.5	*3343.1*	3335.5	2534.5
75°	117.7	121.3	140.5	191.8	247.8	257.2	760.7	2360.1	*2965.7*	3089.0	2279.6
77.5°	97.4	97.9	108.1	139.6	193.2	181.8	373.7	1637.5	*2123.7*	2259.3	1614.8
80°	79.4	80.0	84.8	97.9	146.2	134.5	177.4	941.6	*1189.0*	1190.5	767.9
82.5°	63.2	63.3	68.7	71.6	105.0	96.2	101.7	442.1	*519.6*	499.8	276.0
85°	44.5	43.6	67.1	58.8	68.7	61.7	56.1	175.0	*214.8*	205.5	86.4
87.5°	14.8	15.4	29.8	38.1	40.1	35.0	25.0	67.1	*81.1*	80.4	27.4
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: P385611
CATALOG NUMBER: GPC-SA1A-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3
2.5°	479.7	475.5	469.2	462.2	456.8	451.2	447.0	444.9	442.5	440.5	442.9
5°	484.8	476.8	463.4	450.4	440.7	432.2	426.0	422.8	419.9	417.9	418.2
7.5°	493.1	480.1	457.7	438.6	425.2	416.0	409.7	407.6	405.7	405.2	405.9
10°	501.9	482.8	450.1	424.7	409.5	401.9	399.1	400.5	401.9	403.1	404.4
12.5°	511.9	485.2	439.0	408.4	395.4	392.5	395.3	401.7	406.4	409.2	410.9
15°	525.0	487.4	426.2	392.1	383.4	386.8	396.2	407.3	415.5	420.7	421.5
17.5°	537.1	487.2	409.7	375.7	373.7	383.4	397.7	413.3	424.3	431.7	433.1
20°	549.5	483.6	390.6	359.6	363.8	379.8	398.4	417.2	430.4	439.0	441.0
22.5°	561.1	477.3	369.7	345.1	355.5	375.0	395.8	415.0	428.2	435.1	437.3
25°	569.0	466.4	348.4	332.8	348.2	369.1	387.6	402.9	412.8	416.3	416.8
27.5°	573.0	452.1	328.4	322.1	340.5	359.5	372.2	379.8	382.6	382.4	381.8
30°	573.5	433.3	311.1	313.4	331.7	345.3	351.4	349.9	346.3	340.1	340.7
32.5°	571.8	412.0	296.7	305.1	320.5	328.1	328.4	321.3	311.7	301.9	299.3
35°	572.3	391.2	284.0	295.8	306.9	310.2	307.1	296.7	283.6	271.1	268.4
37.5°	578.2	373.0	273.1	285.0	291.8	292.6	288.2	277.2	267.6	255.3	254.2
40°	592.2	360.0	262.7	272.8	276.7	277.1	270.8	263.1	263.9	257.3	257.2
42.5°	617.5	354.4	253.4	260.1	262.5	263.3	258.5	253.6	260.5	256.2	254.8
45°	650.1	355.8	245.7	247.7	252.1	255.8	252.9	246.9	249.6	231.0	224.8
47.5°	687.8	364.3	239.5	237.0	244.6	251.7	247.2	238.1	228.6	210.1	206.7
50°	731.8	377.5	233.9	226.4	236.5	246.1	241.5	228.6	214.3	205.3	204.1
52.5°	777.8	393.7	228.3	214.8	226.2	241.8	239.5	226.4	208.8	200.0	198.4
55°	829.9	410.0	221.2	201.3	215.1	239.8	238.6	218.7	204.7	199.7	198.5
57.5°	894.7	428.6	211.9	187.3	204.7	232.6	228.9	214.0	200.4	196.7	196.3
60°	979.1	456.0	198.4	172.3	192.0	221.5	220.7	207.2	193.6	190.9	190.4
62.5°	1105.8	501.3	179.8	157.4	177.8	202.7	210.0	198.0	186.4	186.2	186.5
65°	1302.2	569.4	159.6	144.3	163.5	186.8	197.6	188.5	179.0	181.7	182.1
67.5°	1529.8	625.9	139.9	131.5	149.0	171.7	186.4	179.0	169.3	176.2	176.3
70°	1605.6	575.4	122.5	118.8	133.9	157.1	174.2	168.6	158.7	165.7	165.0
72°	*1494.1*	*464.5*	*111.3*	*109.1*	*122.5*	*145.1*	*163.4*	*158.8*	*149.1*	*153.8*	*152.0*
72.5°	1459.0	442.9	108.5	106.7	119.4	142.0	160.6	156.4	146.7	150.7	149.1
75°	1301.5	384.6	93.3	93.7	104.2	127.1	144.8	143.5	133.5	133.9	133.3
77.5°	944.0	282.0	78.6	81.2	88.7	111.7	128.9	128.1	117.2	115.2	114.8
80°	438.1	143.9	64.0	65.2	72.9	93.4	110.0	108.9	100.1	97.5	96.1
82.5°	150.0	68.4	48.1	48.9	56.5	75.2	95.4	94.7	87.4	82.4	79.4
85°	53.6	34.1	33.7	32.9	40.3	59.2	83.1	79.5	68.7	58.5	58.2
87.5°	17.4	14.6	17.4	17.2	23.5	40.1	60.4	51.4	49.8	41.4	40.6
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

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

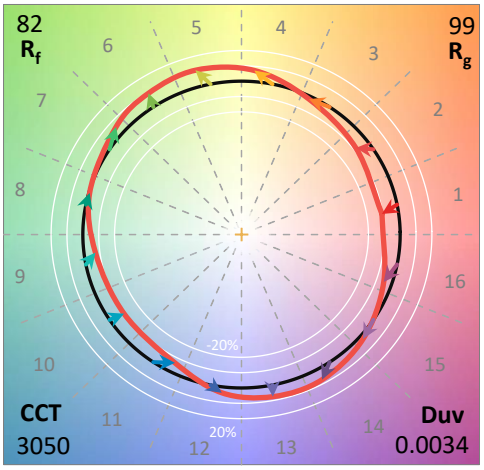
Test Information

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

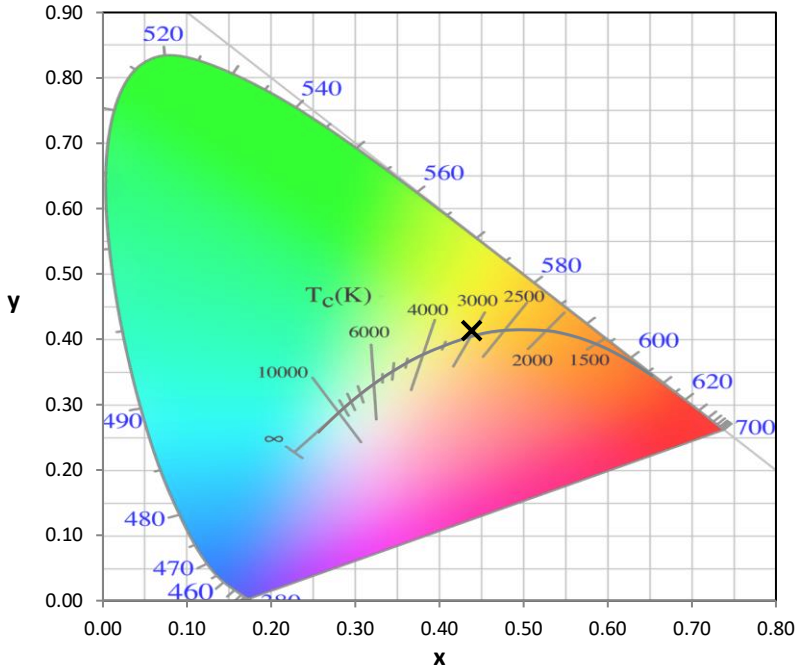
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

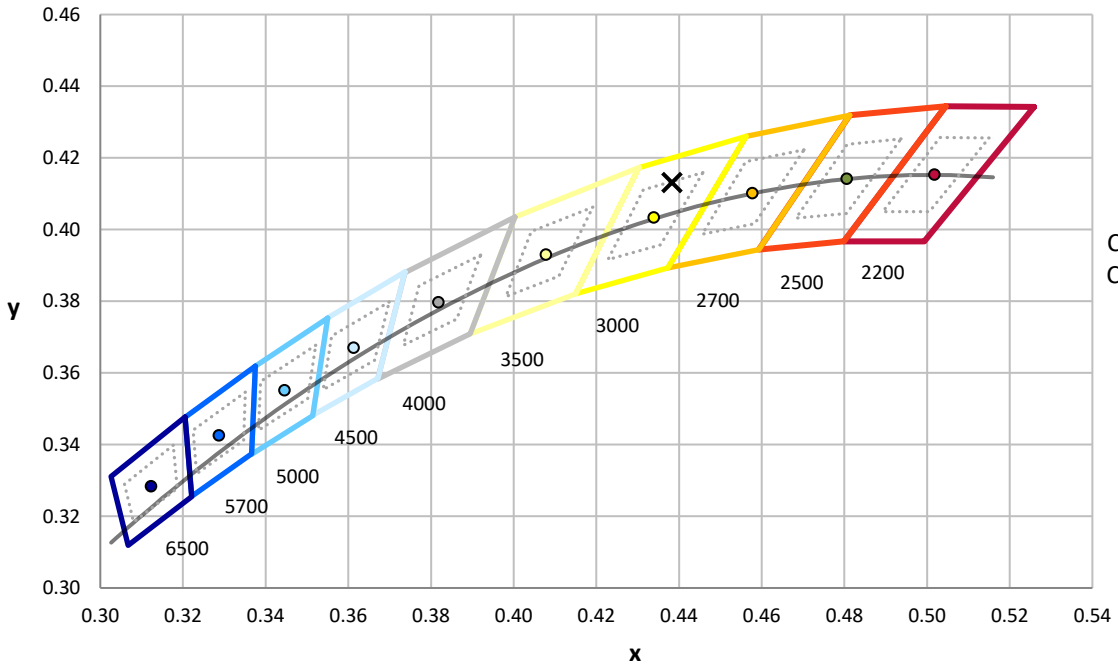
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

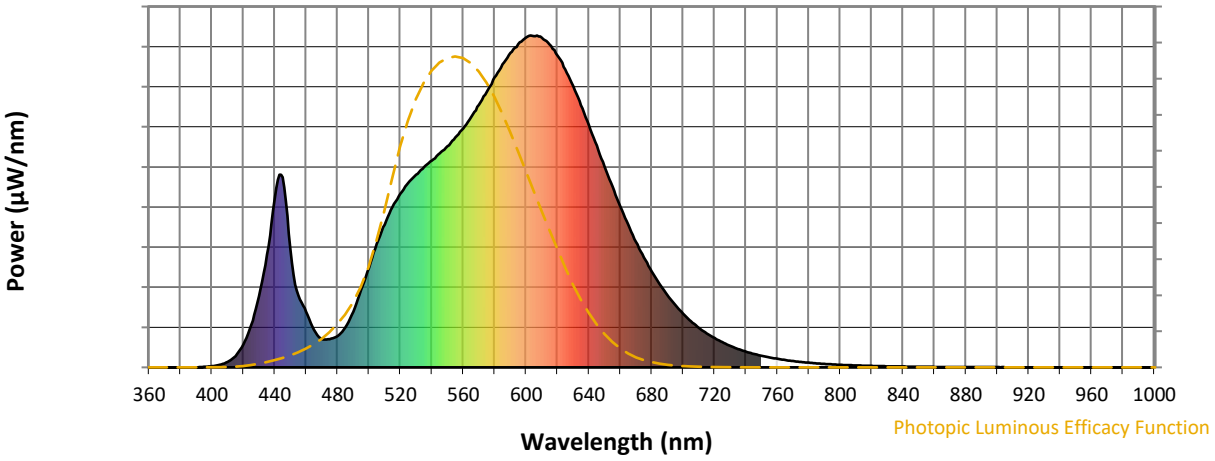


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

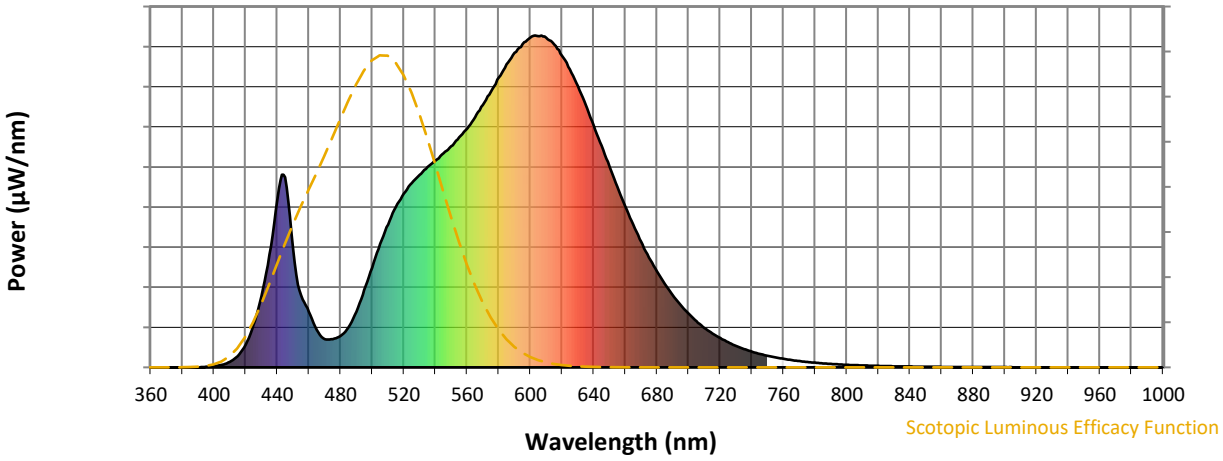


Photopic Lumens: NR

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

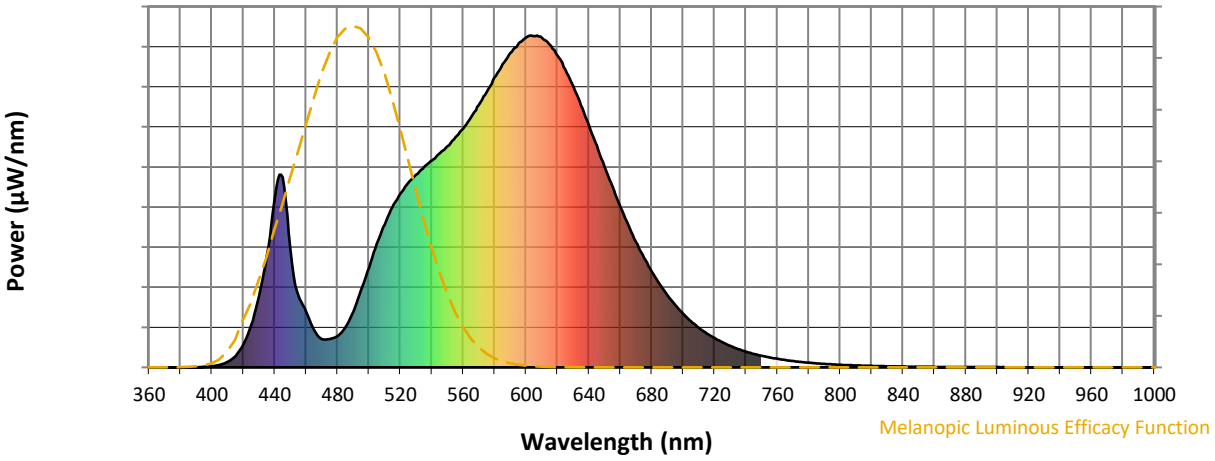


Scotopic Lumens: NR **S/P: 1.27**

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			

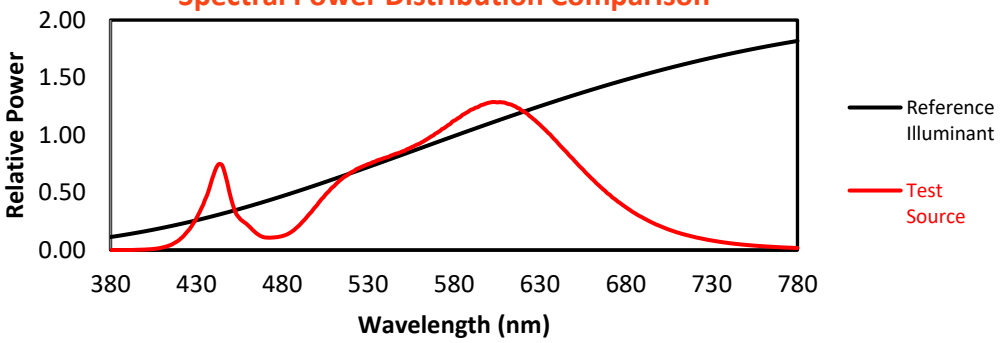
REPORT NUMBER: SP1-2408-195-9

TM-30-18

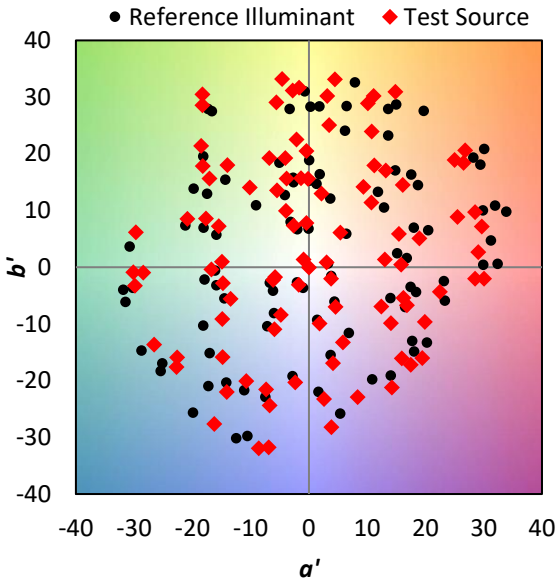
Summary

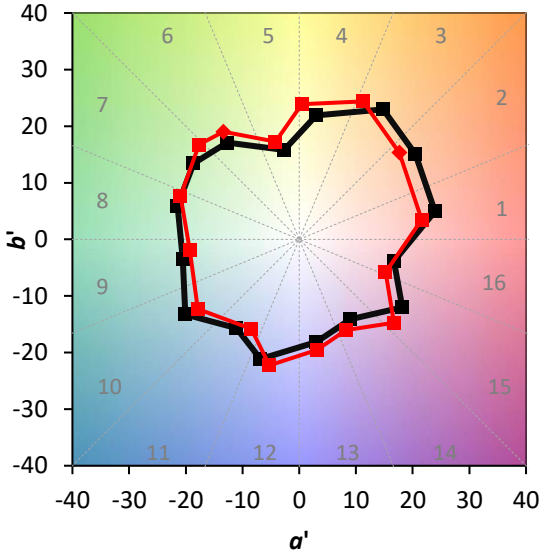
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

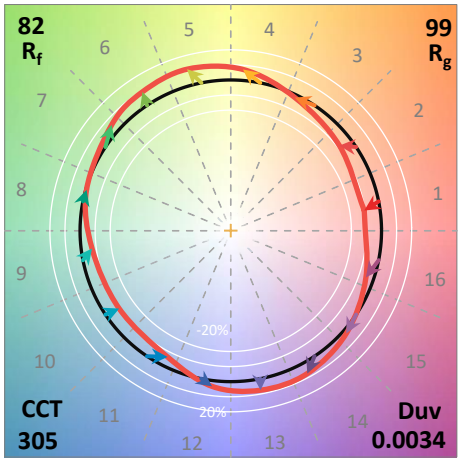
Spectral Power Distribution Comparison

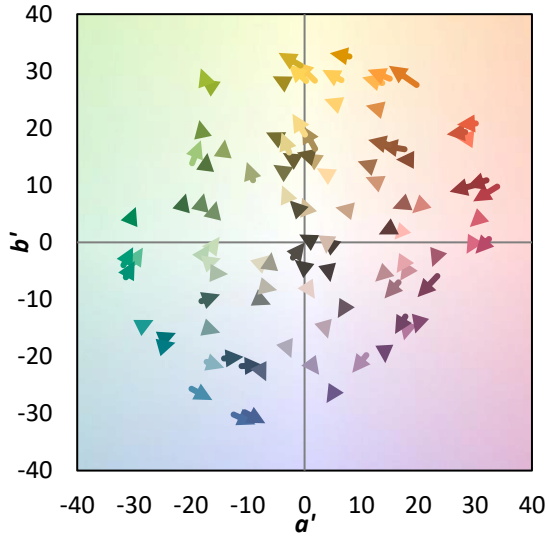


Color Vector Graphics







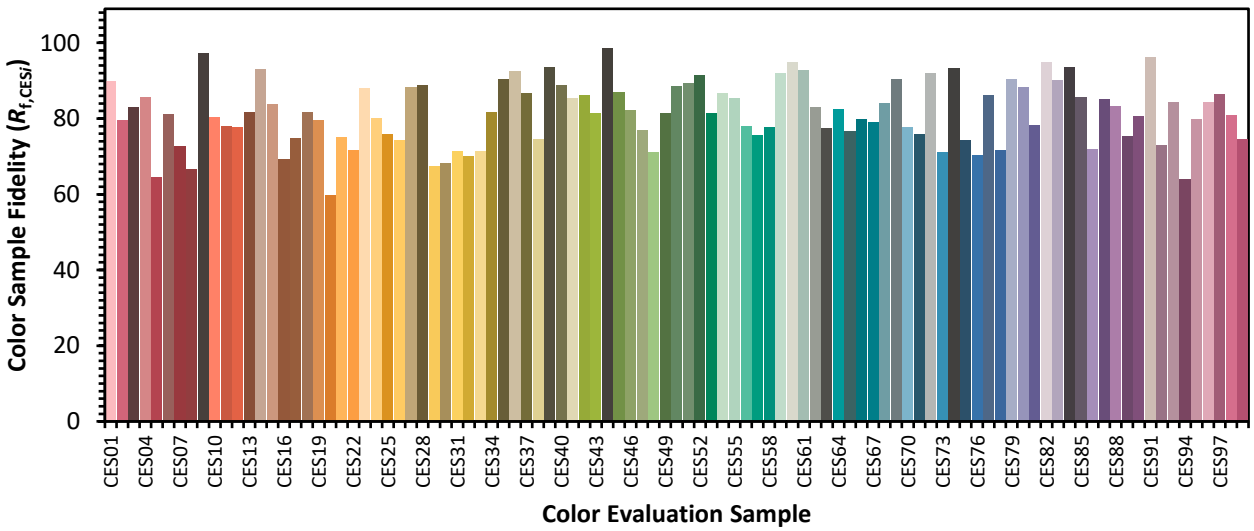


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

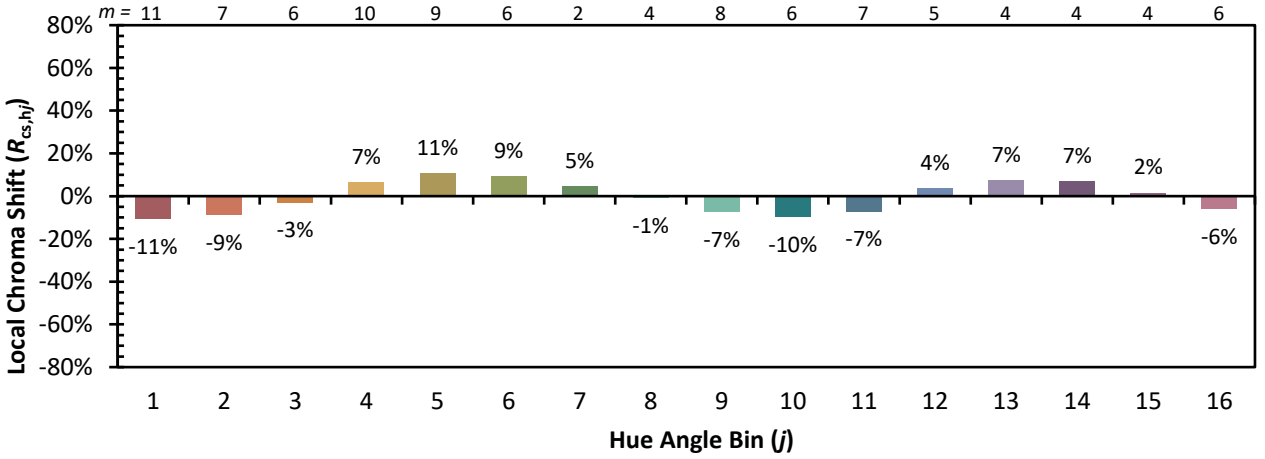
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

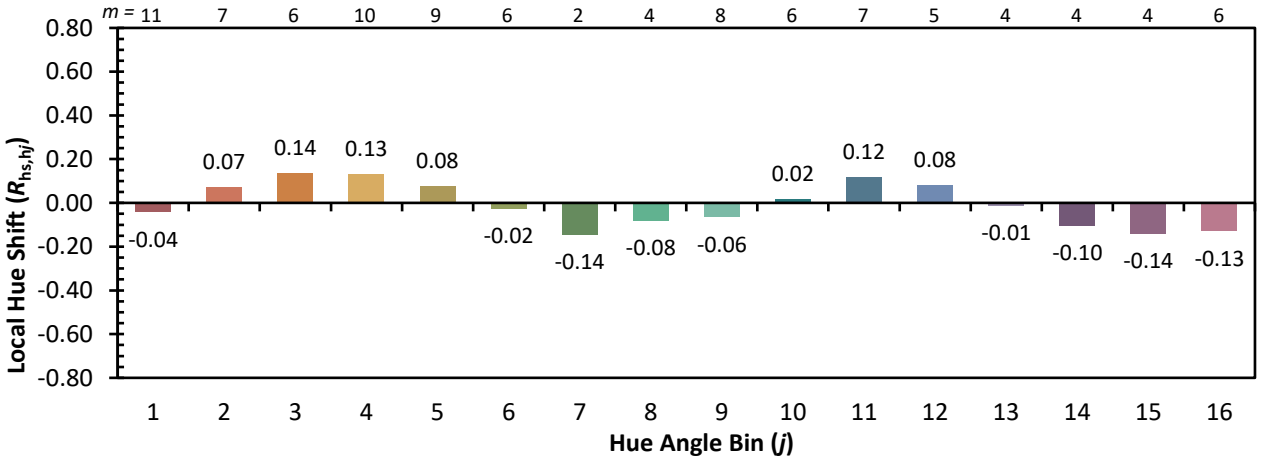


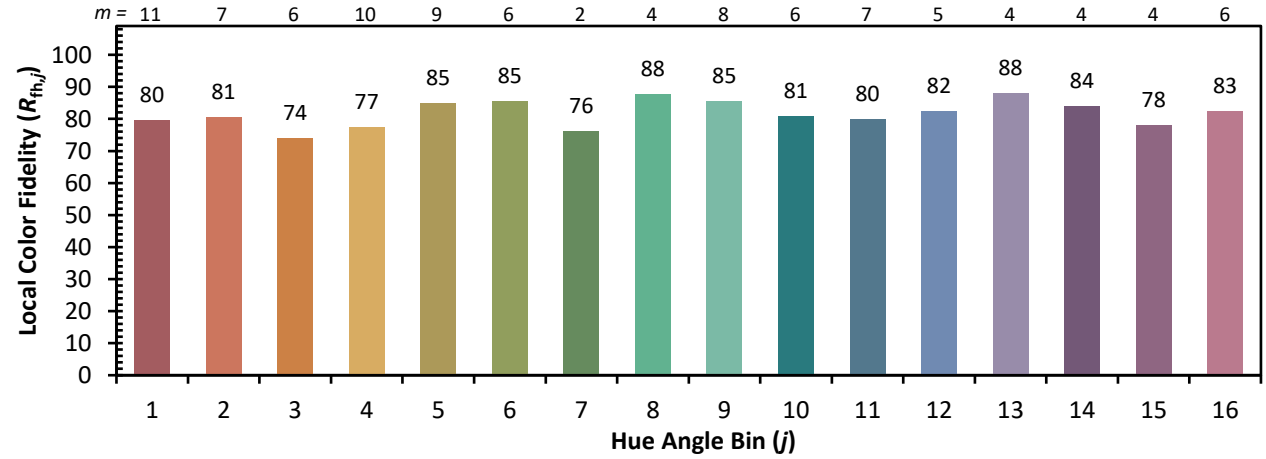
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



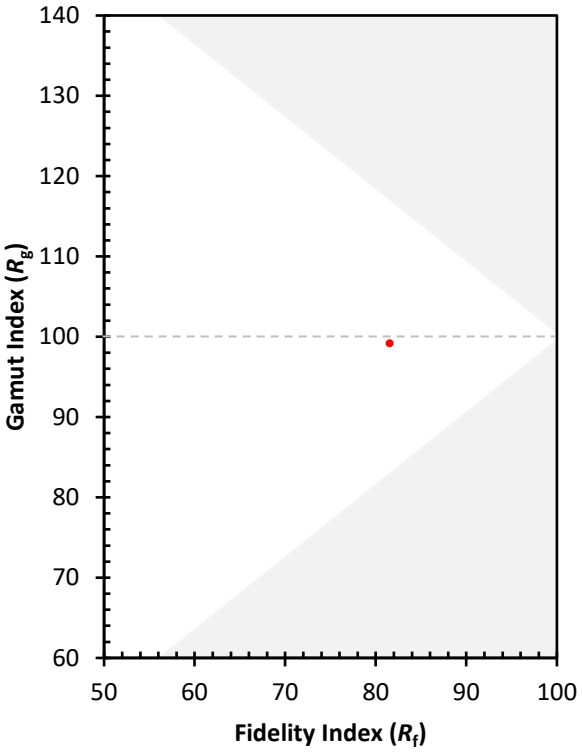


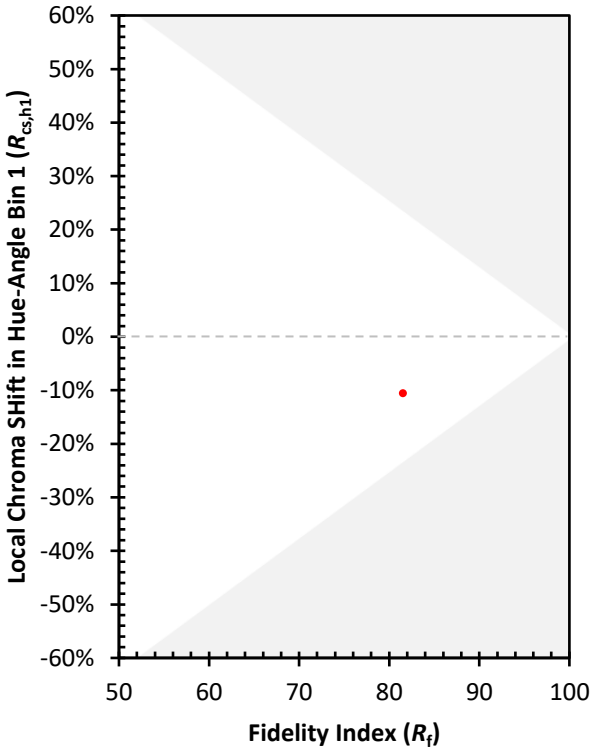


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)