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: P319205

Luminaire Tested: **GLEON-SA1C-830-U-T4W**

Issue Date: 3/3/2020

Report Generated By E0585644

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:	P319205
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1C-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5844.1 lumens
Efficiency:	N/A
Efficacy:	99.1 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

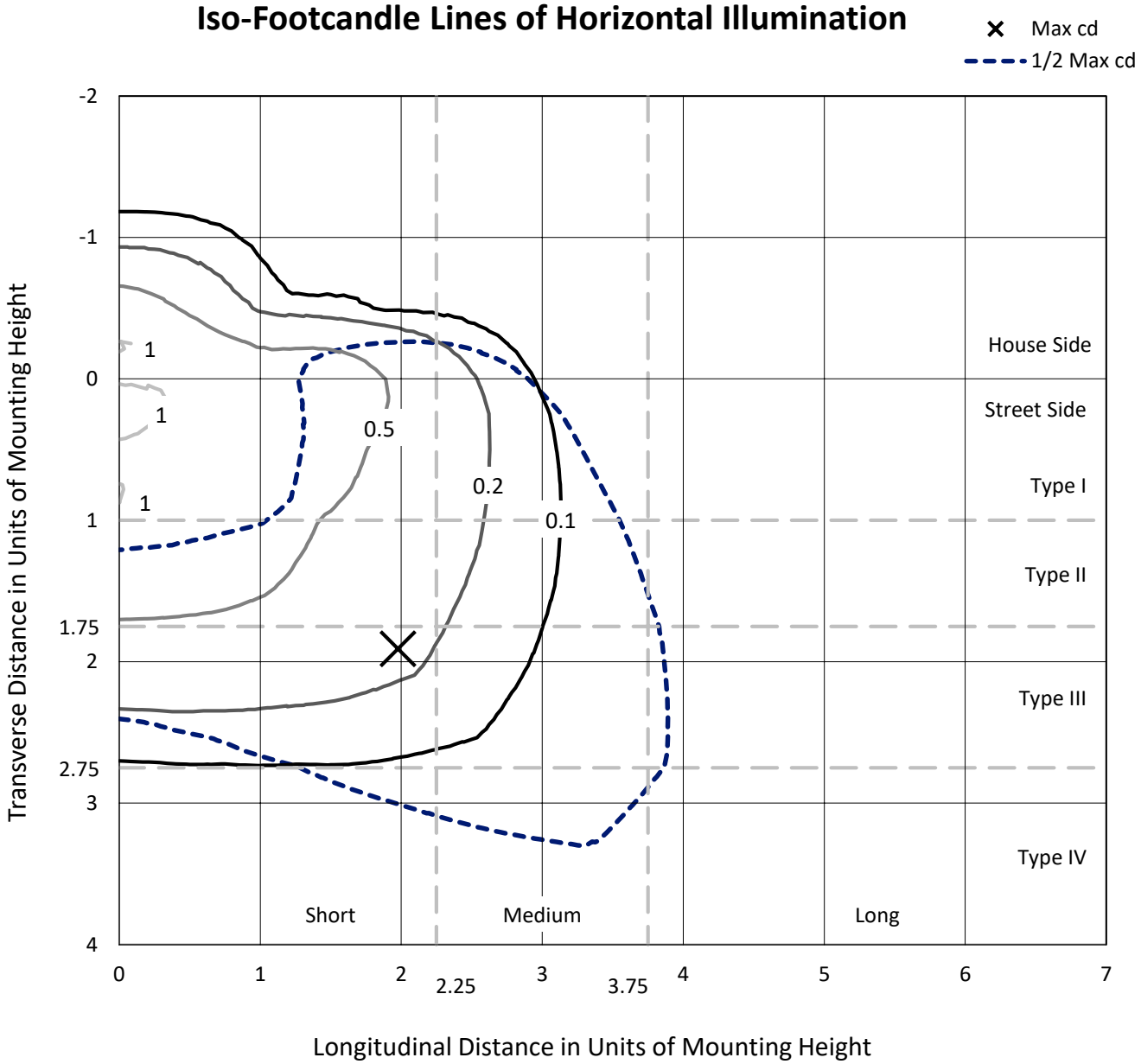
Input Watts (W):	59
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P319205
CATALOG NUMBER: GLEON-SA1C-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



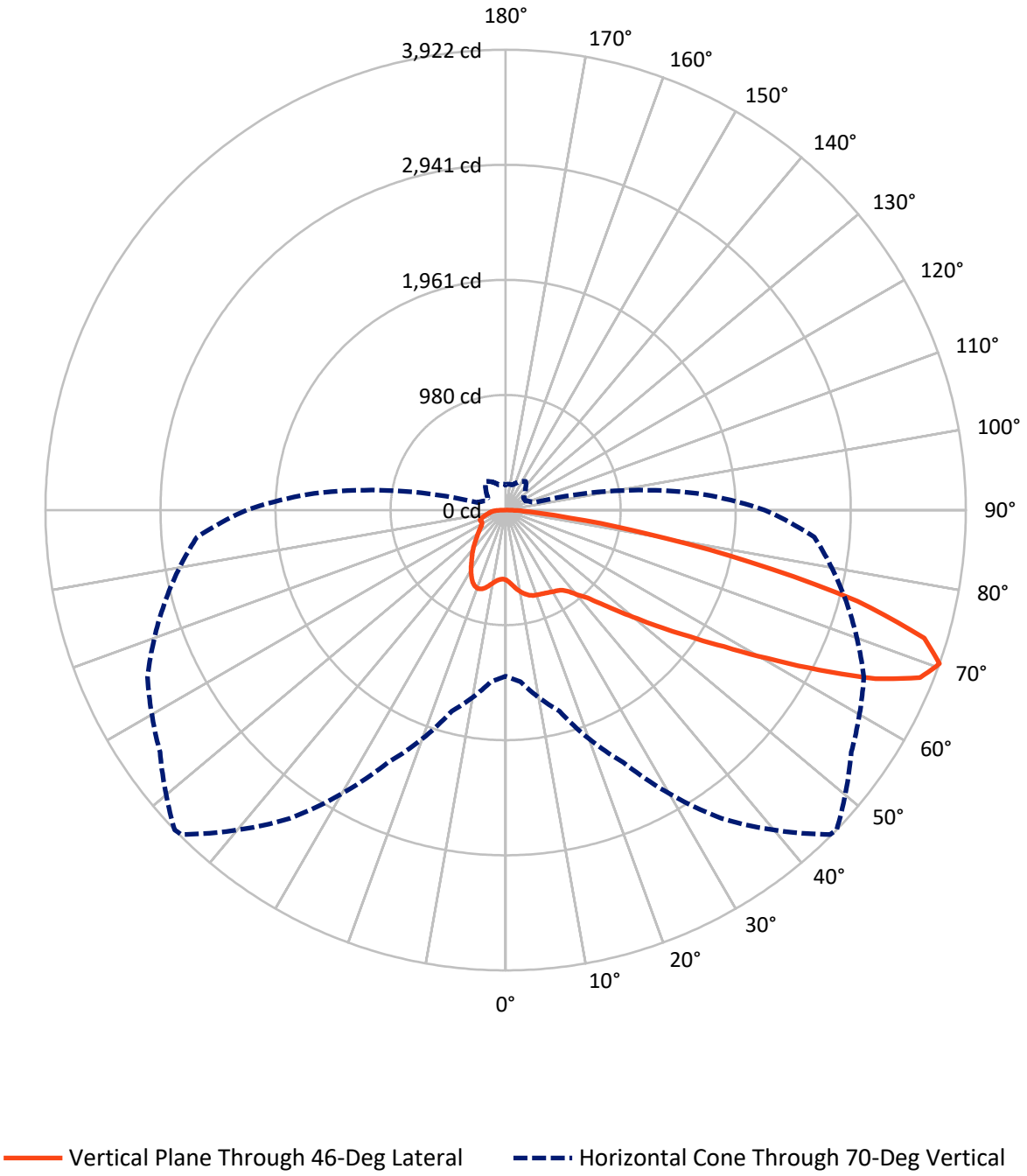
Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P319205
CATALOG NUMBER: GLEON-SA1C-830-U-T4W

Luminous Intensity Polar Plot



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

Scaled Data Report

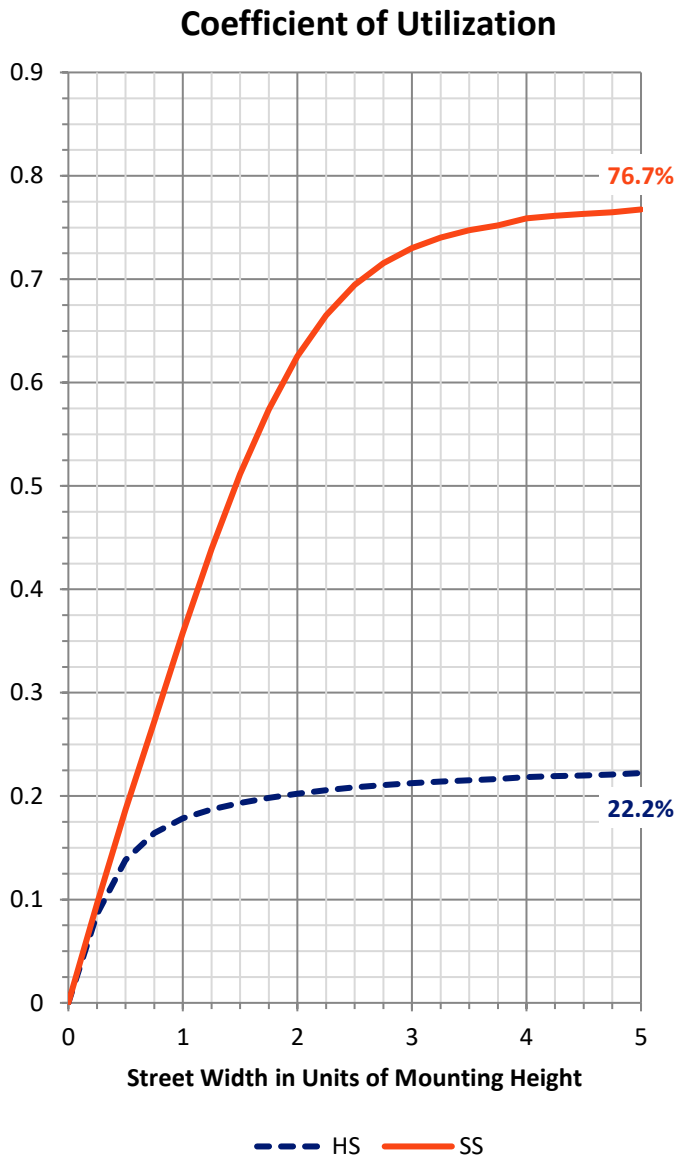
REPORT NUMBER: P319205
CATALOG NUMBER: GLEON-SA1C-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1339.4	0.0	1339.4
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	4504.6	0.0	4504.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	5844.1	0.0	5844.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	1.0
10°-20°	202.2	3.5
20°-30°	337.2	5.8
30°-40°	478.5	8.2
40°-50°	703.8	12.0
50°-60°	1191.9	20.4
60°-70°	1691.9	29.0
70°-80°	1027.8	17.6
80°-90°	150.0	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°	5844.1	100.0
0°-180°	5844.1	100.0



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

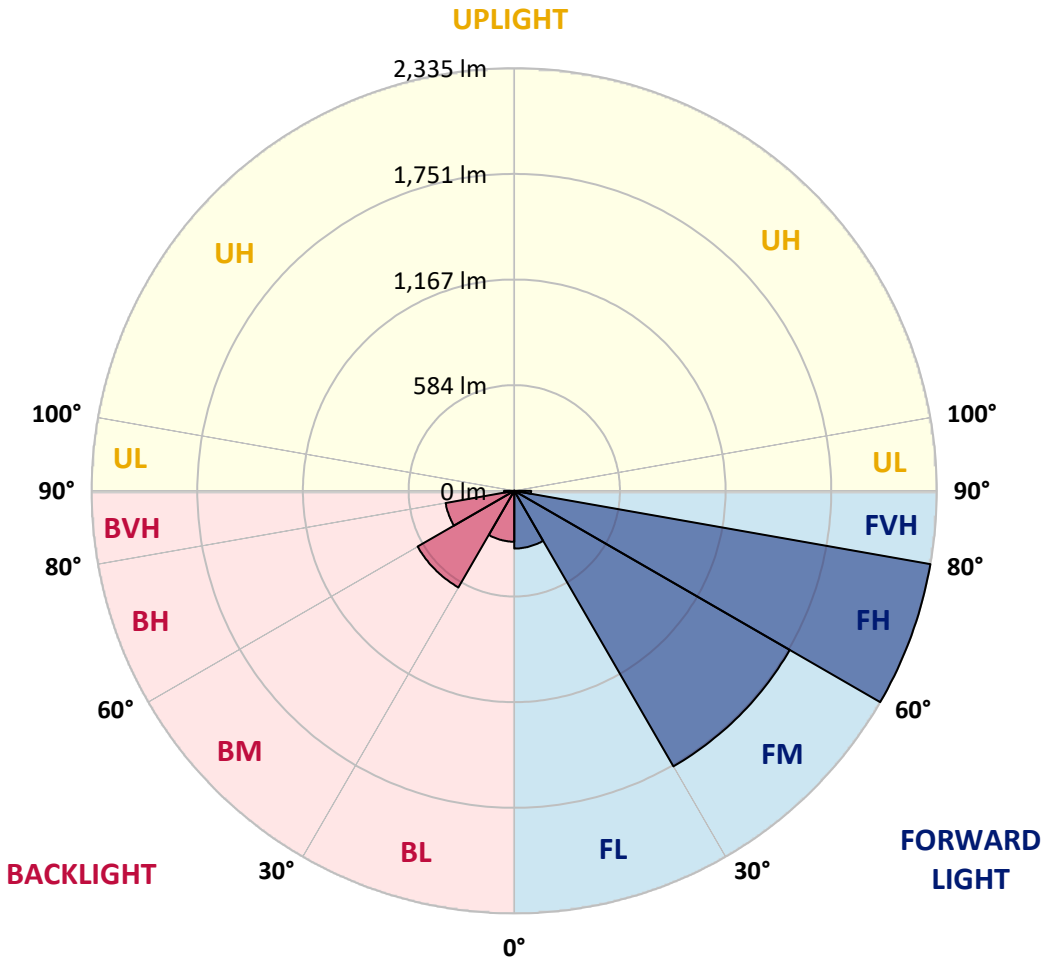
Scaled Data Report

REPORT NUMBER: P319205
CATALOG NUMBER: GLEON-SA1C-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	318.9	5.5			
FM	(30°-60°)	1757.6	30.1			
FH	(60°-80°)	2334.6	39.9			G2/5000
FVH	(80°-90°)	93.4	1.6			G1/100
BL	(0°-30°)	281.2	4.8	B1/500		
BM	(30°-60°)	616.6	10.6	B1/1000		
BH	(60°-80°)	385.1	6.6	B1/500		G1/500
BVH	(80°-90°)	56.6	1.0			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: P319205
CATALOG NUMBER: GLEON-SA1C-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	595.4	595.4	595.4	595.4	595.4	595.4	*595.4*	595.4	595.4	595.4	595.4
2.5°	625.2	625.6	626.4	624.4	618.8	617.2	*616.6*	610.8	607.0	601.4	596.6
5°	675.2	675.6	674.4	668.8	656.4	647.2	*646.4*	633.2	621.2	608.4	598.8
7.5°	727.4	728.0	724.2	713.6	696.2	680.2	*679.2*	661.2	643.0	623.6	609.2
10°	773.6	771.2	765.0	750.2	729.6	710.0	*709.2*	690.4	669.4	646.0	626.8
12.5°	804.4	802.4	794.4	776.4	753.8	735.8	*734.2*	716.8	696.4	670.8	647.8
15°	821.4	822.8	812.0	791.6	769.6	754.4	*753.0*	740.6	722.4	696.6	670.2
17.5°	823.6	824.8	814.4	794.2	776.2	765.8	*765.2*	757.0	743.8	719.0	691.4
20°	810.8	811.6	803.0	786.4	774.6	771.4	*771.2*	767.6	757.8	735.8	709.0
22.5°	792.2	792.8	786.6	774.6	770.6	775.6	*777.0*	775.6	768.6	748.0	722.8
25°	787.6	787.2	780.8	768.6	772.0	782.6	*784.4*	785.0	780.2	762.2	740.4
27.5°	809.8	808.4	796.2	776.6	778.8	791.6	*794.0*	799.8	796.8	781.0	760.4
30°	874.0	871.6	846.6	807.0	796.2	802.8	*805.8*	815.0	815.6	802.4	787.0
32.5°	982.4	979.4	934.6	863.8	825.6	814.2	*817.0*	830.8	838.2	828.0	811.4
35°	1119.4	1116.0	1057.2	960.4	874.8	836.0	*838.0*	849.0	863.8	849.4	827.4
37.5°	1262.2	1254.0	1197.4	1074.0	953.0	882.6	*882.6*	884.0	891.0	861.0	846.2
40°	1404.2	1396.0	1344.8	1207.6	1054.2	956.0	*951.4*	920.4	914.8	889.0	884.0
42.5°	1536.2	1533.8	1503.6	1358.6	1173.0	1028.2	*1021.8*	969.2	970.4	954.4	954.6
45°	1676.6	1676.6	1652.0	1511.0	1311.4	1144.2	*1137.8*	1060.4	1072.4	1065.0	1082.8
47.5°	1791.2	1794.8	1791.4	1669.8	1472.4	1291.6	*1280.0*	1186.8	1220.4	1245.8	1297.6
50°	1908.2	1913.8	1914.4	1844.0	1667.0	1466.8	*1453.6*	1354.6	1429.6	1502.4	1604.2
52.5°	2078.0	2090.6	2040.4	2017.8	1905.4	1674.8	*1661.8*	1570.4	1695.6	1797.8	1973.2
55°	2235.4	2224.4	2188.6	2202.6	2160.6	1911.6	*1901.8*	1821.6	1992.0	2124.8	2352.6
57.5°	2320.6	2319.8	2355.8	2415.8	2435.8	2203.6	*2195.4*	2117.4	2326.2	2426.0	2708.8
60°	2420.6	2422.0	2511.2	2647.4	2729.8	2567.2	*2563.6*	2504.4	2650.8	2707.2	2988.1
62.5°	2434.6	2459.8	2613.4	2847.7	3004.9	2991.9	*2999.9*	2852.9	2941.1	2931.5	3196.7
65°	2273.6	2306.8	2584.8	2908.3	3278.5	3456.5	*3463.9*	3203.5	3170.1	3123.3	3271.3
67.5°	1943.6	1992.8	2294.8	2776.5	3368.7	3799.9	*3810.3*	3475.3	3360.1	3188.3	3091.7
70°	*1414.4*	*1469.0*	*1773.0*	*2371.4*	*3207.9*	*3909.7*	*3921.5*	*3595.5*	*3367.3*	*3003.3*	*2639.4*
72.5°	854.4	897.2	1147.8	1745.8	2707.6	3709.7	*3730.7*	3443.1	3074.3	2544.0	1949.0
75°	375.2	403.2	555.0	1006.0	1938.4	3069.3	*3095.5*	2947.1	2498.0	1848.8	1152.0
77.5°	159.8	167.8	227.6	437.0	1095.8	2097.4	*2133.4*	2153.4	1694.8	1006.0	486.8
80°	99.6	102.8	128.8	197.8	512.8	1178.0	*1216.8*	1267.0	841.6	369.8	170.0
82.5°	60.6	64.2	85.6	119.6	267.0	534.0	*552.6*	588.0	326.6	159.8	88.0
85°	36.4	39.0	52.4	75.6	152.0	210.0	*209.8*	232.0	153.8	102.8	46.4
87.5°	17.4	19.4	28.0	39.2	76.6	78.8	*73.8*	83.6	93.4	67.4	23.4
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: P319205
CATALOG NUMBER: GLEON-SA1C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4
2.5°	595.0	594.2	591.6	589.6	589.2	588.0	587.0	587.6	588.4	588.6	588.6
5°	594.8	592.6	589.2	587.8	589.6	592.0	595.0	599.0	601.4	603.2	604.4
7.5°	604.4	600.2	596.4	595.6	599.2	605.6	612.4	620.8	626.6	630.6	631.4
10°	620.4	615.2	611.4	612.2	618.6	627.8	637.4	648.2	657.0	662.4	662.8
12.5°	638.8	633.8	630.2	633.6	644.2	655.4	665.4	674.8	682.8	688.2	688.2
15°	660.0	656.4	652.2	660.0	674.4	684.4	688.6	693.2	697.6	701.6	700.8
17.5°	680.4	677.0	674.8	684.0	699.0	703.6	700.8	697.4	697.4	699.6	700.0
20°	698.0	695.0	696.4	705.4	713.2	708.4	698.0	687.2	682.8	684.0	685.2
22.5°	713.4	712.0	716.2	720.4	714.8	698.0	678.8	664.2	658.8	658.4	658.8
25°	731.4	731.2	736.4	728.8	704.0	673.0	647.2	633.0	630.0	632.4	636.4
27.5°	753.8	756.0	758.6	730.8	682.0	635.2	609.0	599.2	602.2	608.0	611.8
30°	782.4	788.4	782.8	725.8	650.4	592.0	567.0	564.2	572.4	580.6	584.6
32.5°	810.2	819.6	806.0	712.8	609.6	546.2	526.8	526.0	536.0	544.0	549.6
35°	832.6	851.2	823.4	687.0	562.4	504.0	489.8	484.4	488.0	497.4	503.8
37.5°	861.8	892.8	835.4	647.6	511.2	469.2	452.6	440.2	437.0	440.8	444.0
40°	915.2	956.2	841.0	592.6	461.2	434.4	417.6	399.4	386.8	377.6	377.8
42.5°	1002.4	1038.8	837.4	525.8	415.0	400.4	381.4	360.4	340.0	319.2	317.6
45°	1144.0	1161.6	826.6	455.0	374.4	364.8	347.0	326.0	298.8	275.2	273.0
47.5°	1370.6	1331.6	809.8	393.2	338.6	334.6	318.2	294.0	265.2	246.2	244.6
50°	1679.6	1577.0	801.6	344.0	307.0	308.2	294.8	269.2	242.0	228.0	226.4
52.5°	2049.2	1862.8	817.4	306.0	281.6	285.8	275.8	251.8	229.0	218.0	216.4
55°	2432.6	2158.8	834.4	278.4	257.6	265.8	262.4	242.6	222.0	211.8	210.4
57.5°	2760.7	2379.8	800.4	256.0	236.2	249.0	252.0	236.8	218.4	209.2	207.6
60°	2967.3	2468.8	711.2	235.0	219.2	235.6	246.0	235.2	219.8	219.0	217.8
62.5°	3065.3	2461.0	577.4	218.4	208.6	229.8	250.4	244.2	235.8	243.0	243.6
65°	3021.3	2343.4	430.0	207.4	201.0	232.0	263.6	261.2	240.4	247.6	248.6
67.5°	2731.8	2062.8	318.4	197.8	192.6	238.2	287.6	266.8	231.4	236.6	233.4
70°	*2208.0*	*1635.4*	*245.6*	*187.0*	*184.0*	*237.4*	*298.4*	*263.4*	*221.6*	*222.8*	*214.2*
72.5°	1522.6	1115.2	199.8	177.0	171.6	216.4	290.8	255.0	213.4	204.2	192.8
75°	828.0	598.6	169.8	166.6	149.8	190.0	276.8	249.0	206.0	193.8	187.4
77.5°	325.8	248.4	147.4	152.4	131.0	167.8	261.2	237.6	195.8	179.8	176.6
80°	133.0	126.8	122.2	131.8	112.6	146.8	242.4	224.2	183.6	166.8	160.4
82.5°	75.4	78.8	95.0	104.0	91.4	135.2	233.4	213.4	169.0	149.4	141.8
85°	38.6	46.2	66.2	74.6	67.2	115.0	215.0	186.8	135.6	114.4	115.0
87.5°	18.6	25.8	41.8	46.8	43.6	83.2	160.6	135.4	105.6	83.6	81.0
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

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

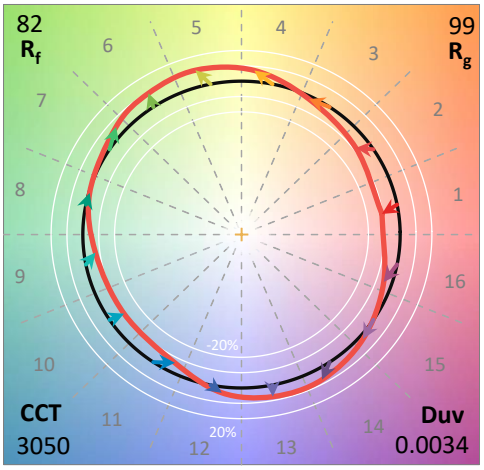
Test Information

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

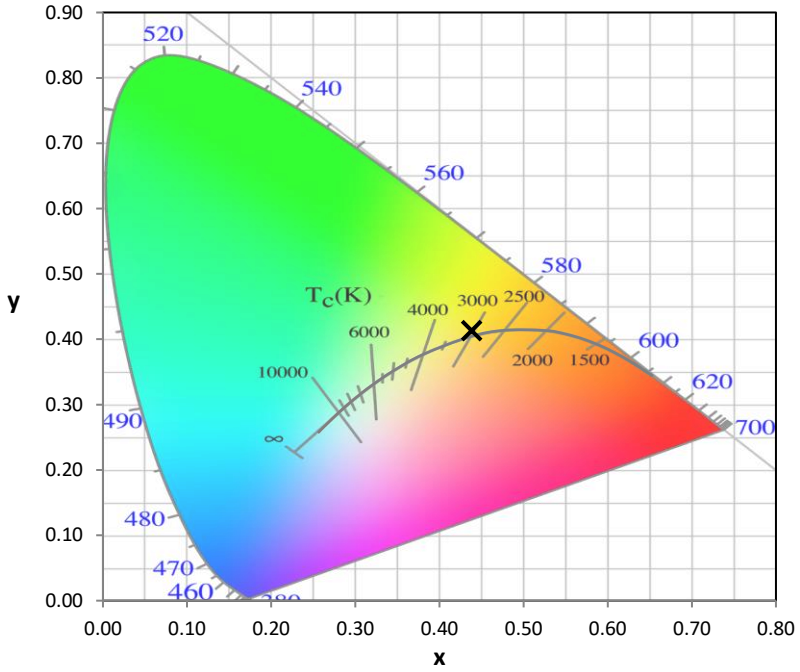
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

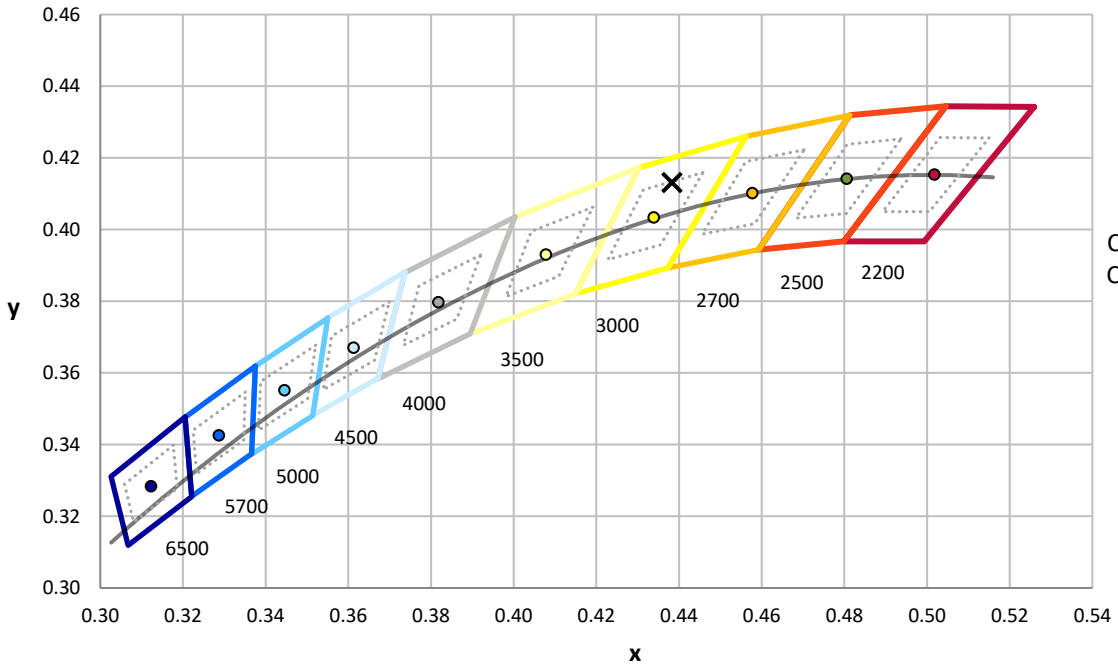
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

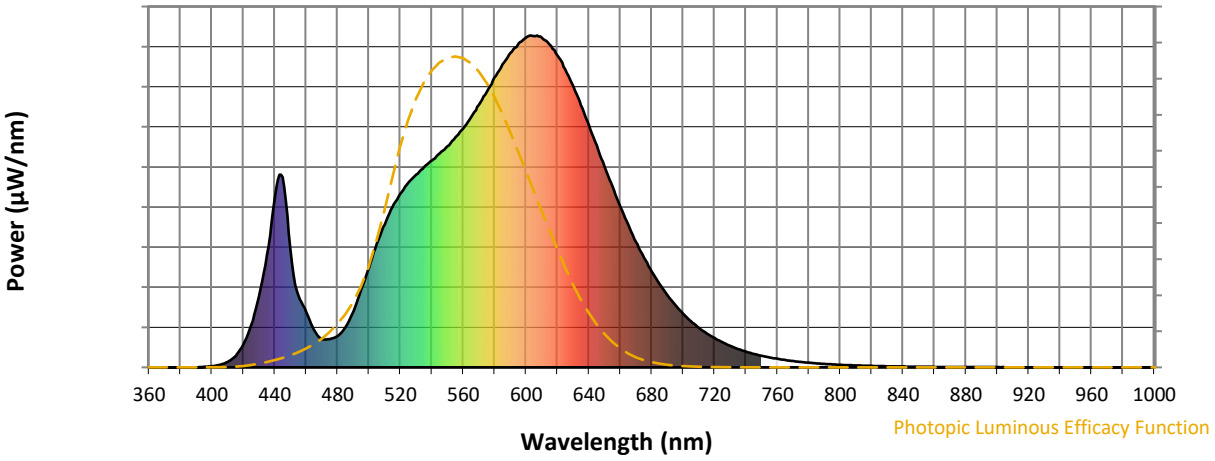


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

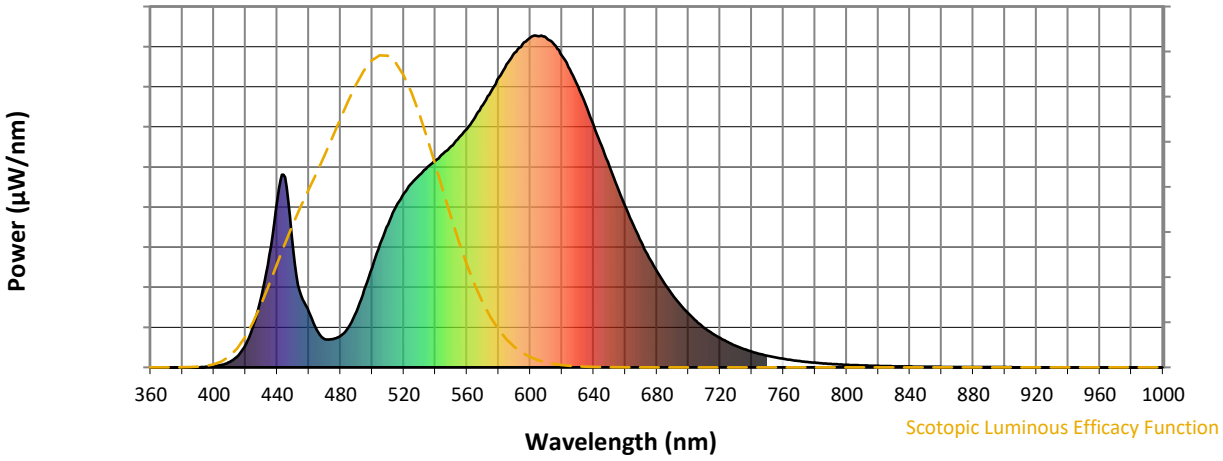


Photopic Lumens: NR

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

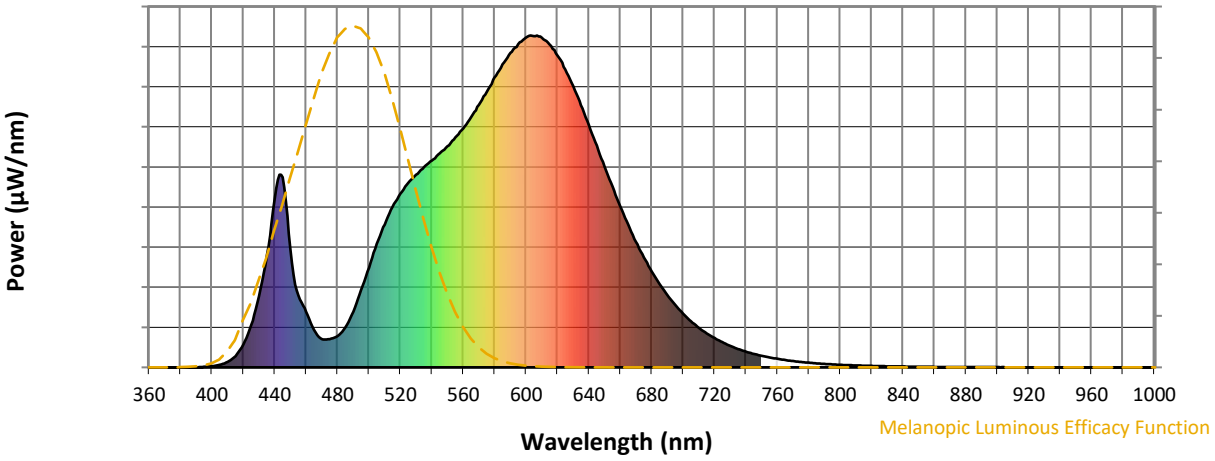


Scotopic Lumens: NR **S/P: 1.27**

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			

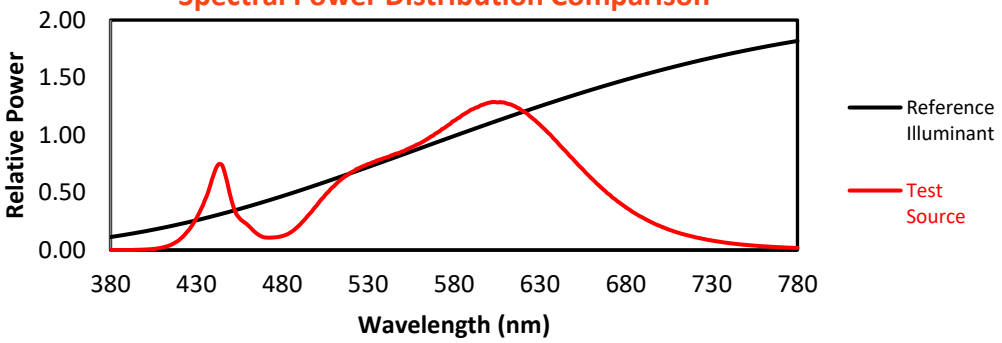
REPORT NUMBER: SP1-2408-195-9

TM-30-18

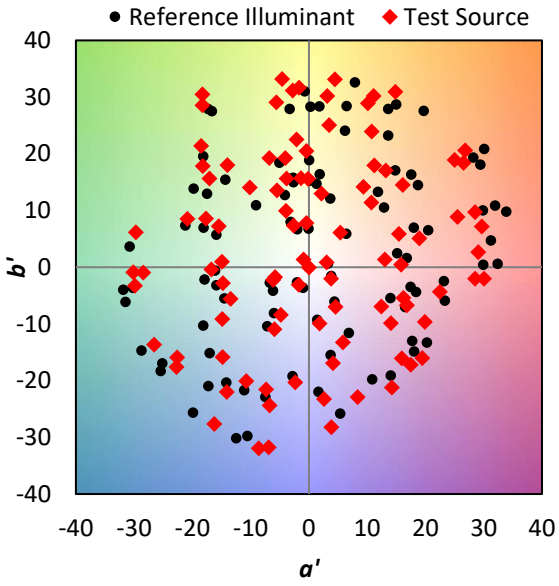
Summary

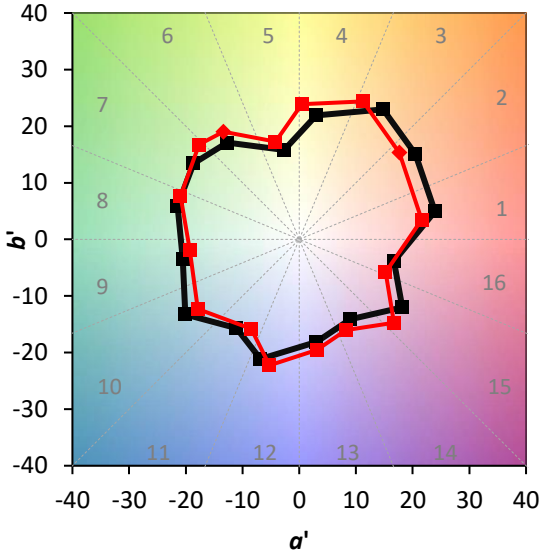
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

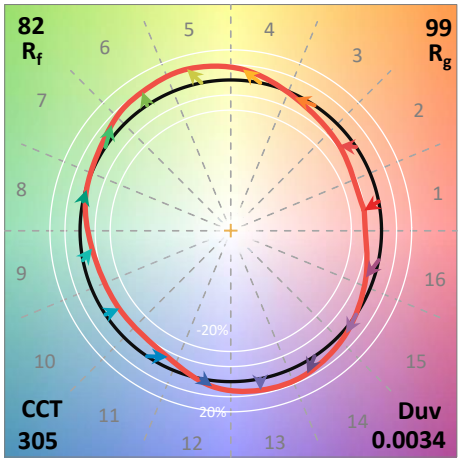
Spectral Power Distribution Comparison

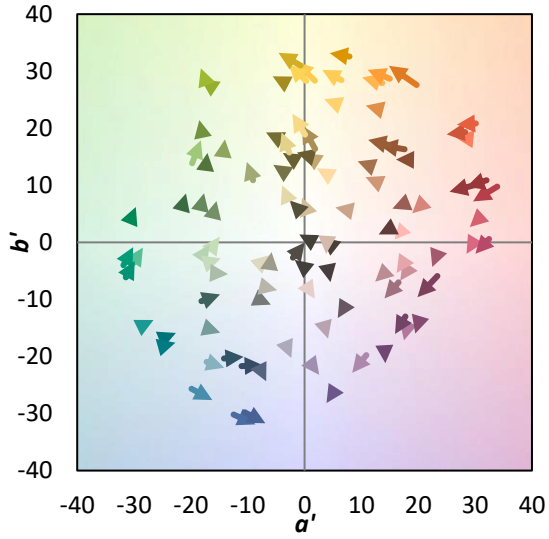


Color Vector Graphics







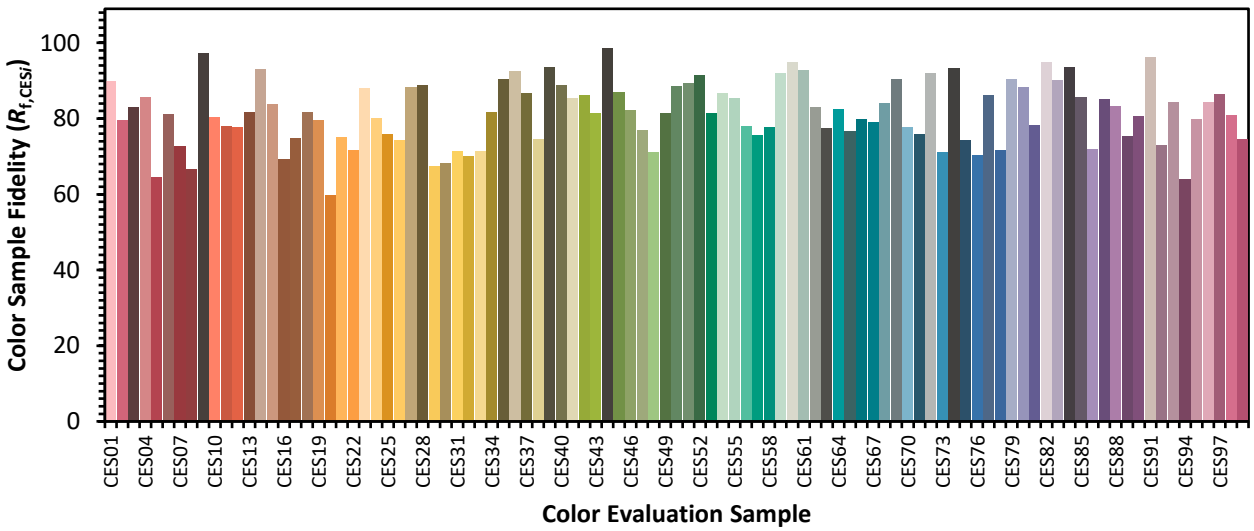


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

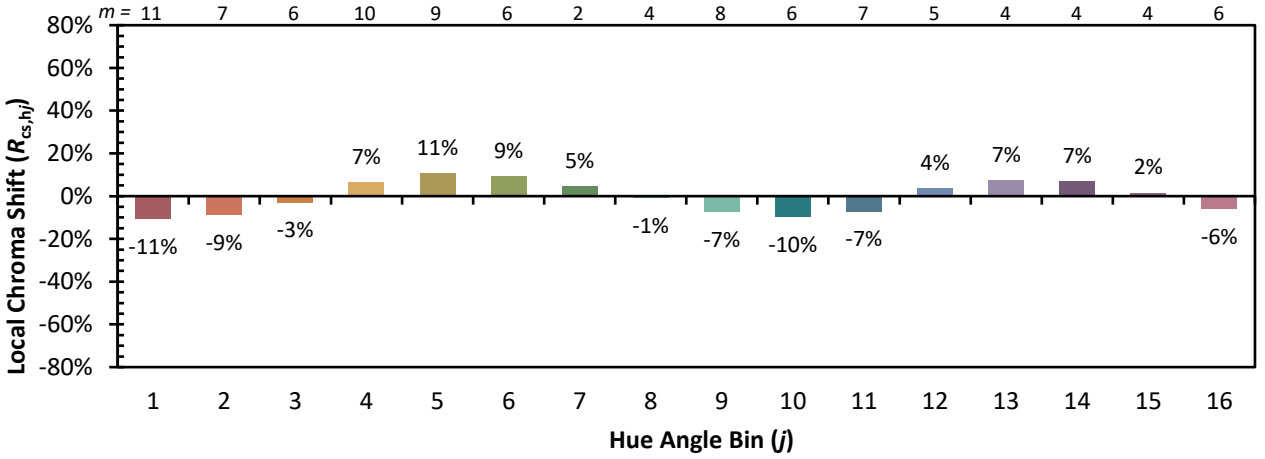
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

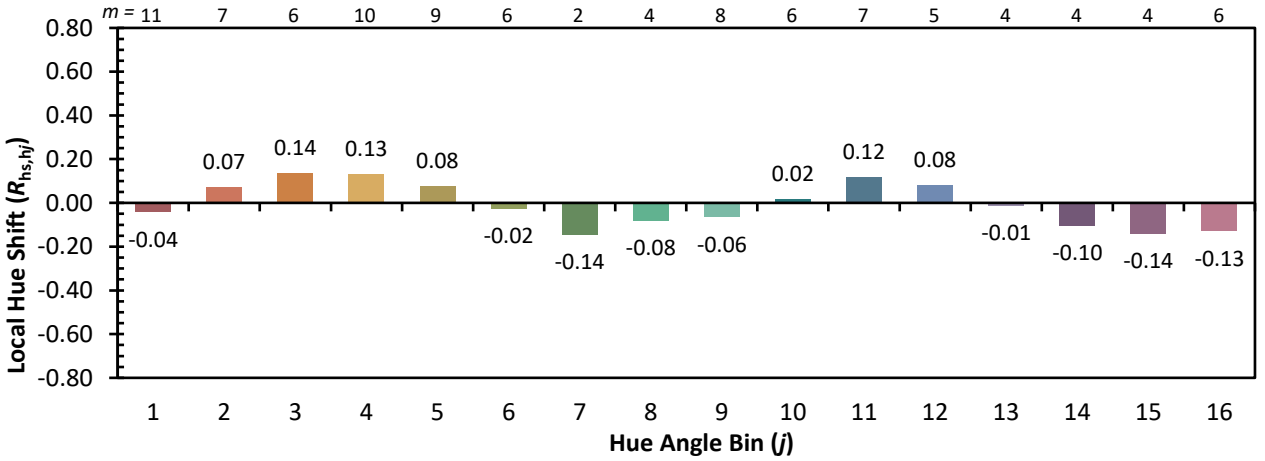


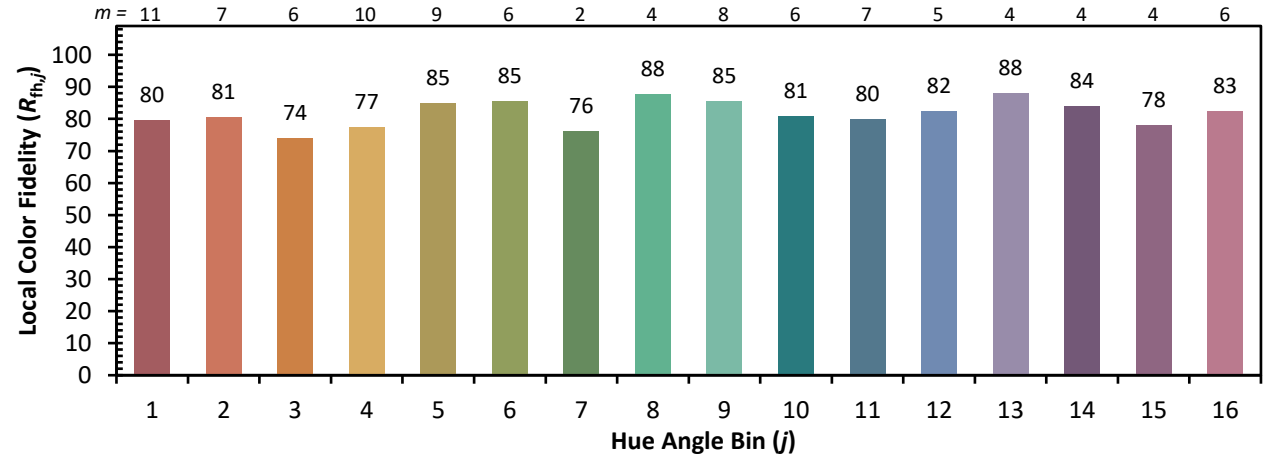
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



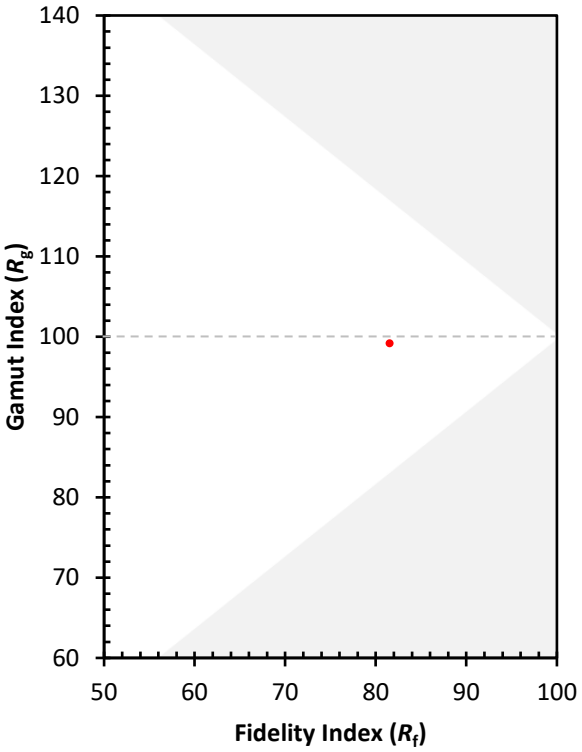


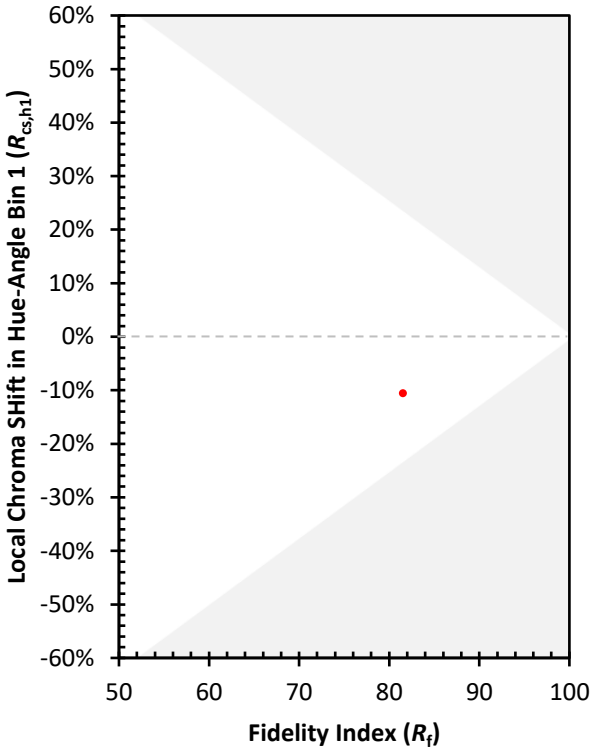


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)