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: P322396

Luminaire Tested: **GLEON-SA2B-830-U-T3-HSS**

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:	P322396
	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:	GLEON-SA2B-830-U-T3-HSS
Description:	GALLEON AREA AND ROADWAY 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:	6772 lumens
Efficiency:	N/A
Efficacy:	79.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

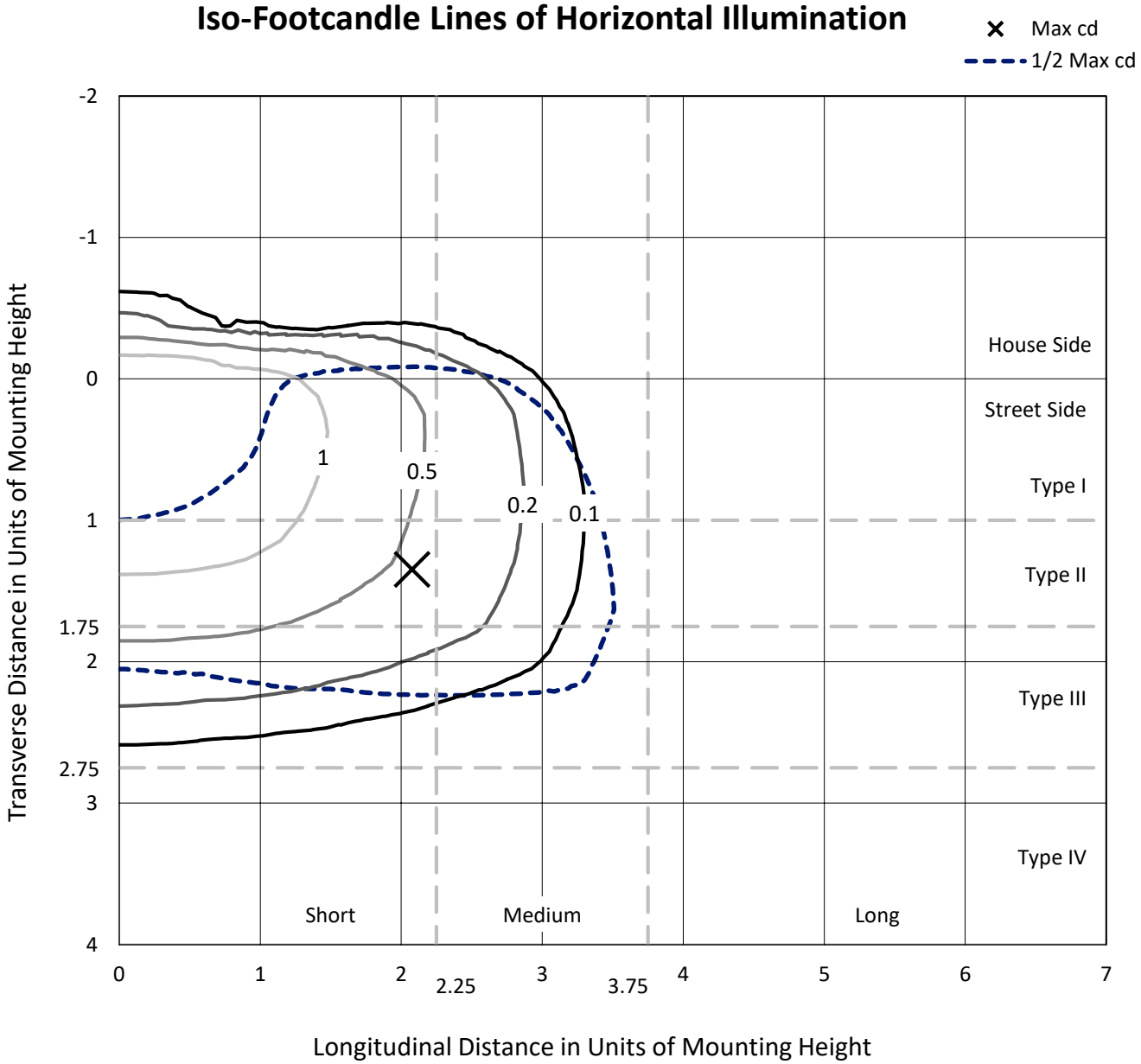
Input Watts (W):	85
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P322396
CATALOG NUMBER: GLEON-SA2B-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



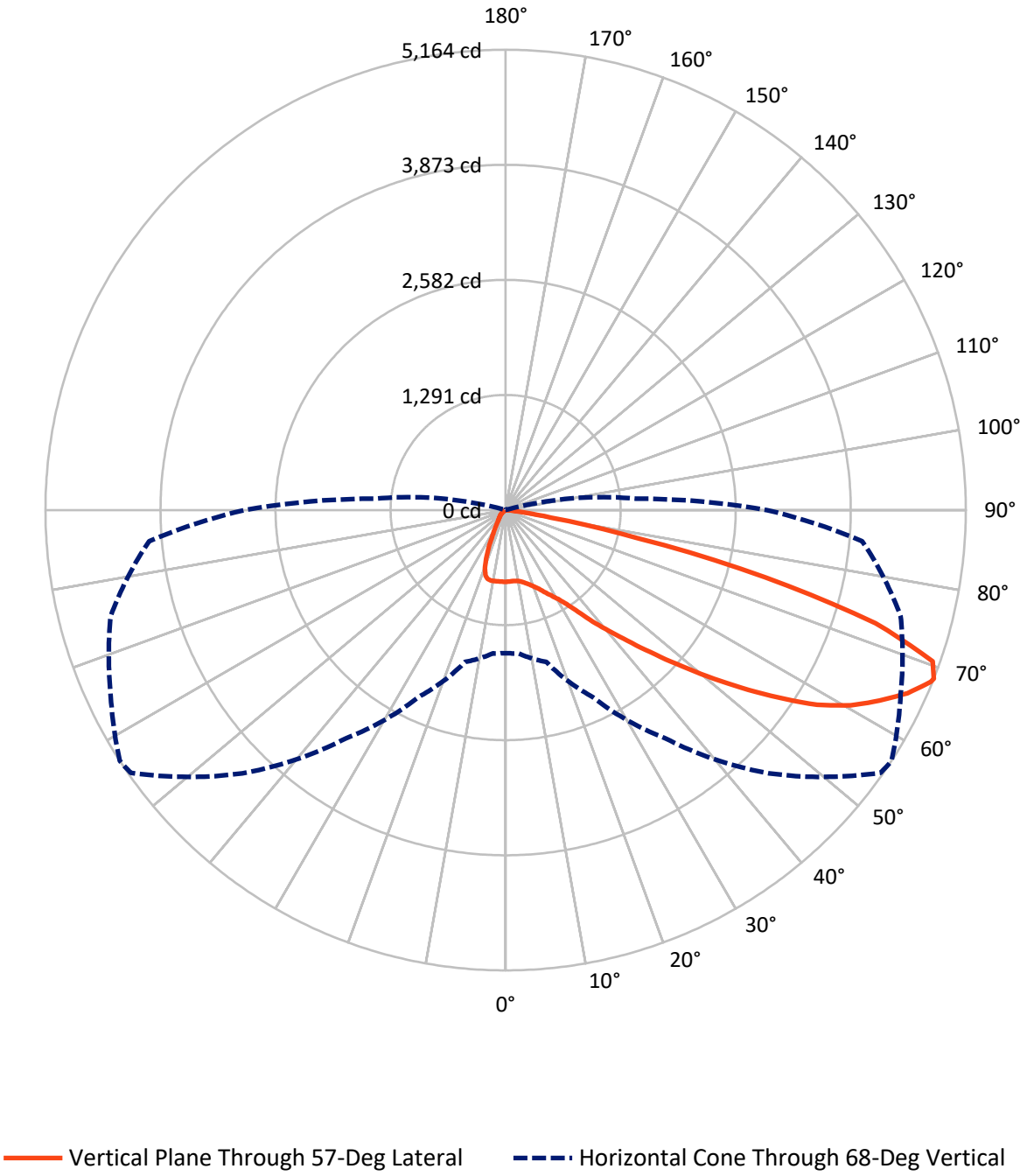
Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P322396
CATALOG NUMBER: GLEON-SA2B-830-U-T3-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

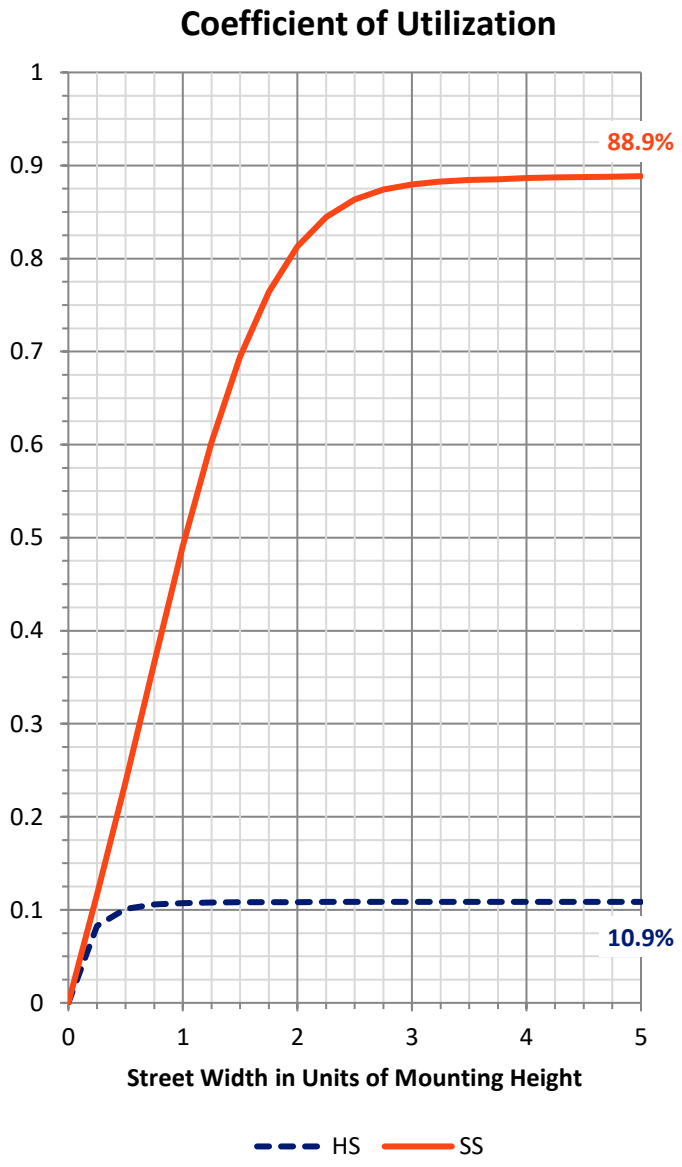
REPORT NUMBER: P322396
CATALOG NUMBER: GLEON-SA2B-830-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	742.6	0.0	742.6
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	6029.4	0.0	6029.4
	% Fixture	89.0	0.0	89.0
Total	Lumens	6772.0	0.0	6772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	1.1
10°-20°	208.7	3.1
20°-30°	360.0	5.3
30°-40°	621.3	9.2
40°-50°	1062.8	15.7
50°-60°	1700.4	25.1
60°-70°	1964.6	29.0
70°-80°	750.7	11.1
80°-90°	28.1	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°	6772.0	100.0
0°-180°	6772.0	100.0



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

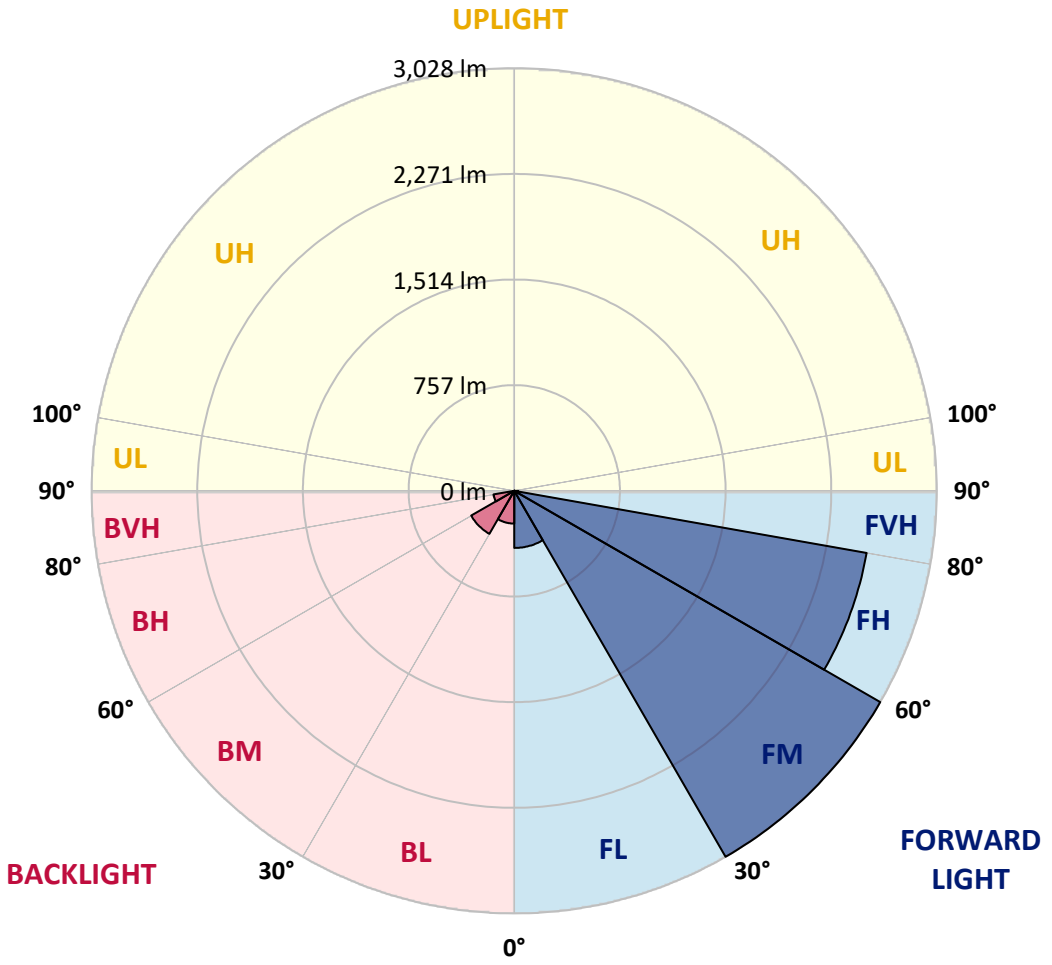
Scaled Data Report

REPORT NUMBER: P322396
CATALOG NUMBER: GLEON-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°)	409.3	6.0			
FM	(30°-60°)	3028.4	44.7			
FH	(60°-80°)	2564.1	37.9			G2/5000
FVH	(80°-90°)	27.6	0.4			G1/100
BL	(0°-30°)	234.7	3.5	B1/500		
BM	(30°-60°)	356.2	5.3	B1/1000		
BH	(60°-80°)	151.2	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



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

Scaled Data Report

REPORT NUMBER: P322396
CATALOG NUMBER: GLEON-SA2B-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	804.7	804.7	804.7	804.7	804.7	804.7	804.7	*804.7*	804.7	804.7	804.7
2.5°	785.8	789.3	791.9	793.5	795.4	799.6	800.8	*802.8*	803.7	803.7	806.0
5°	754.7	758.6	764.0	768.5	777.5	789.0	797.3	*800.5*	806.3	811.4	814.3
7.5°	725.9	730.4	736.8	747.4	762.7	781.3	798.6	*803.1*	814.3	825.2	830.6
10°	707.3	710.9	719.2	734.2	754.4	780.4	804.7	*810.1*	829.3	847.6	857.8
12.5°	700.9	704.1	712.8	729.8	754.7	785.2	818.8	*826.8*	855.0	881.5	896.0
15°	710.2	710.9	720.2	736.2	760.8	797.0	842.2	*851.8*	887.3	921.9	939.8
17.5°	746.1	743.2	748.0	755.1	774.6	812.7	866.8	*881.2*	928.6	969.3	986.3
20°	835.8	835.8	824.9	805.7	806.0	837.0	900.1	*916.4*	974.4	1021.5	1036.8
22.5°	989.1	986.3	964.5	917.4	874.2	879.0	940.8	*961.9*	1029.5	1079.8	1084.9
25°	1173.6	1170.1	1136.4	1070.1	995.2	946.9	995.9	*1020.2*	1095.1	1139.6	1129.1
27.5°	1368.9	1366.0	1332.7	1250.4	1143.8	1055.1	1061.5	*1084.6*	1162.0	1205.9	1172.3
30°	1558.2	1559.1	1526.1	1441.6	1320.9	1193.1	1144.8	*1158.2*	1227.1	1271.6	1223.5
32.5°	1738.1	1739.4	1710.9	1616.4	1503.7	1353.5	1260.0	*1256.5*	1302.6	1346.5	1291.4
35°	1898.5	1901.7	1882.2	1808.9	1689.4	1532.2	1409.6	*1401.2*	1409.9	1459.5	1395.5
37.5°	2053.2	2055.1	2040.4	1978.6	1878.7	1728.5	1598.5	*1586.6*	1568.1	1606.2	1532.9
40°	2222.6	2217.8	2200.8	2144.8	2059.0	1945.3	1801.5	*1781.0*	1748.7	1782.6	1713.5
42.5°	2380.1	2374.7	2377.6	2314.2	2241.8	2168.2	2038.1	*2002.9*	1984.0	2023.1	1935.0
45°	2577.1	2574.2	2583.8	2528.7	2470.1	2416.6	2309.4	*2270.9*	2262.6	2308.4	2203.1
47.5°	2771.4	2778.5	2808.3	2784.9	2761.2	2714.1	2596.6	*2579.3*	2584.4	2639.8	2485.8
50°	2933.5	2941.8	3023.4	3050.3	3084.6	3057.1	2939.2	*2928.7*	2948.8	2998.8	2790.0
52.5°	3050.7	3067.6	3169.1	3293.1	3417.9	3436.5	3319.0	*3309.4*	3336.6	3344.3	3025.0
55°	3132.0	3147.0	3262.0	3488.7	3743.0	3823.0	3750.0	*3712.9*	3707.7	3631.8	3272.2
57.5°	3146.4	3144.8	3310.0	3615.2	3997.8	4204.4	4158.3	*4121.8*	4016.7	3897.6	3555.6
60°	3065.1	3074.4	3266.2	3659.1	4157.9	4492.9	4496.4	*4449.0*	4285.4	4156.0	3830.4
62.5°	2814.7	2852.4	3046.2	3544.1	4156.0	4609.1	4744.3	*4708.1*	4512.4	4367.7	4109.0
65°	2408.6	2422.1	2606.8	3150.2	3875.2	4560.5	4967.4	*4954.0*	4717.0	4573.3	4252.1
67.5°	1758.9	1729.8	1923.8	2480.7	3280.9	4276.7	5127.6	*5144.5*	4874.9	4615.5	4099.7
68°	*1605.2*	*1613.9*	*1765.0*	*2315.1*	*3125.3*	*4176.5*	*5138.1*	*5164.1*	*4890.6*	*4588.0*	*4016.4*
70°	956.8	973.4	1108.3	1594.0	2377.6	3609.4	5024.1	*5083.4*	4797.1	4304.0	3474.0
72.5°	244.3	264.2	391.6	713.4	1358.0	2543.1	4241.2	*4341.4*	4165.0	3491.6	2345.2
75°	100.5	105.7	139.9	235.0	505.9	1145.7	2795.4	*3010.0*	2887.3	2090.3	1059.9
77.5°	69.5	73.0	90.0	130.3	219.0	388.4	1370.5	*1525.5*	1374.3	713.4	231.2
80°	50.0	52.8	64.4	86.8	125.8	138.7	446.7	*516.5*	410.2	156.6	57.3
82.5°	29.8	32.0	48.0	61.8	76.5	66.3	111.1	*126.2*	118.8	77.8	25.6
85°	14.7	17.3	32.3	44.2	41.3	27.9	33.9	*37.8*	46.8	47.4	13.8
87.5°	1.0	1.9	18.9	26.6	11.5	6.4	9.9	*12.2*	16.7	23.4	5.8
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

Scaled Data Report

REPORT NUMBER: P322396
CATALOG NUMBER: GLEON-SA2B-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	804.7	804.7	804.7	804.7	804.7	804.7	804.7	804.7	804.7	804.7	804.7
2.5°	806.9	807.3	805.0	804.1	804.7	800.8	799.2	799.9	799.9	800.8	799.2
5°	814.9	814.9	811.1	806.0	803.1	795.7	790.9	789.6	788.7	788.0	786.8
7.5°	832.2	830.3	823.6	812.4	802.8	786.8	774.6	768.2	765.0	763.7	762.7
10°	860.1	856.6	845.4	824.5	802.5	774.0	747.4	728.5	712.8	706.4	702.5
12.5°	897.6	892.4	873.5	839.0	800.2	747.7	690.1	634.7	583.1	562.0	551.4
15°	940.8	933.4	903.6	851.1	787.1	688.5	563.3	466.2	394.8	367.9	356.4
17.5°	984.7	975.0	929.9	858.8	747.7	565.8	395.1	298.4	250.7	237.9	233.4
20°	1028.8	1014.8	952.6	853.0	658.7	407.9	260.7	218.1	204.3	200.5	199.2
22.5°	1070.8	1049.0	973.1	830.6	521.6	273.8	206.2	192.8	188.3	186.0	185.4
25°	1107.3	1076.9	991.1	761.5	369.2	206.9	185.7	181.2	175.5	171.3	171.6
27.5°	1141.6	1104.7	1001.9	647.5	246.2	176.8	172.0	165.9	155.3	149.2	149.2
30°	1182.9	1141.9	1009.9	498.2	181.2	156.3	152.4	143.1	128.7	120.7	120.7
32.5°	1245.0	1198.2	1004.8	349.7	150.2	137.4	128.4	115.6	99.9	92.2	91.9
35°	1340.1	1285.3	968.3	229.3	132.6	119.4	105.0	89.3	75.6	69.2	68.8
37.5°	1468.2	1401.9	886.3	163.9	118.8	102.8	85.5	68.2	58.0	53.8	53.5
40°	1634.4	1537.3	769.1	132.9	106.0	86.8	66.0	52.8	45.8	42.6	42.9
42.5°	1833.9	1682.4	628.6	114.6	93.5	71.4	51.6	41.6	37.1	34.9	34.3
45°	2055.4	1825.5	481.3	102.1	81.0	57.6	40.3	33.0	29.5	28.2	28.2
47.5°	2299.1	1964.8	352.2	91.3	67.6	44.5	32.3	26.9	24.0	23.1	22.7
50°	2520.4	2061.5	253.9	79.7	55.4	35.2	26.3	22.4	20.5	19.2	19.2
52.5°	2704.8	2091.9	187.0	67.2	44.8	28.2	21.8	19.2	17.3	16.3	16.3
55°	2867.2	2079.5	139.0	55.4	36.2	23.1	18.6	16.3	14.7	13.8	13.8
57.5°	3022.8	2039.1	103.7	45.1	29.1	18.6	15.7	13.8	12.2	11.5	11.5
60°	3149.9	1971.9	77.2	36.5	23.4	15.0	13.1	11.2	9.9	9.0	9.0
62.5°	3253.0	1897.6	56.7	30.1	18.6	11.8	10.2	9.3	7.4	6.4	6.4
65°	3253.7	1774.3	42.6	25.0	14.4	9.3	7.7	7.4	4.8	3.8	3.5
67.5°	3018.3	1529.7	32.7	21.5	11.2	7.0	5.8	6.1	2.6	1.6	1.3
68°	*2932.8*	*1467.5*	*30.7*	*21.1*	*10.6*	*6.7*	*5.4*	*6.1*	*2.2*	*1.3*	*1.0*
70°	2472.7	1167.5	24.7	20.5	9.3	5.1	4.5	6.1	1.9	1.0	0.6
72.5°	1581.5	677.6	18.3	16.3	7.0	3.8	2.9	5.4	1.9	0.6	0.3
75°	673.1	210.1	12.5	11.5	4.2	2.9	1.9	3.5	1.3	0.3	0.0
77.5°	141.9	47.4	7.4	7.0	2.9	1.9	1.3	1.0	0.3	0.0	0.0
80°	36.5	13.8	3.8	3.5	1.6	1.0	0.6	0.0	0.0	0.0	0.0
82.5°	11.5	5.4	2.2	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.8	3.2	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	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

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

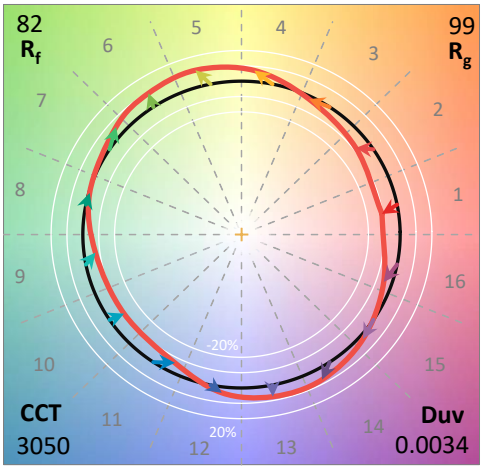
Test Information

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

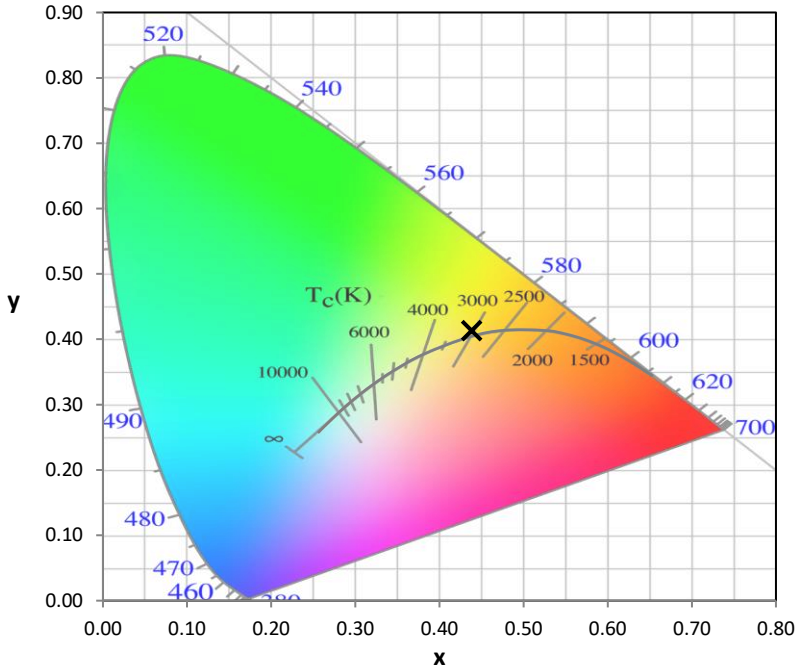
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

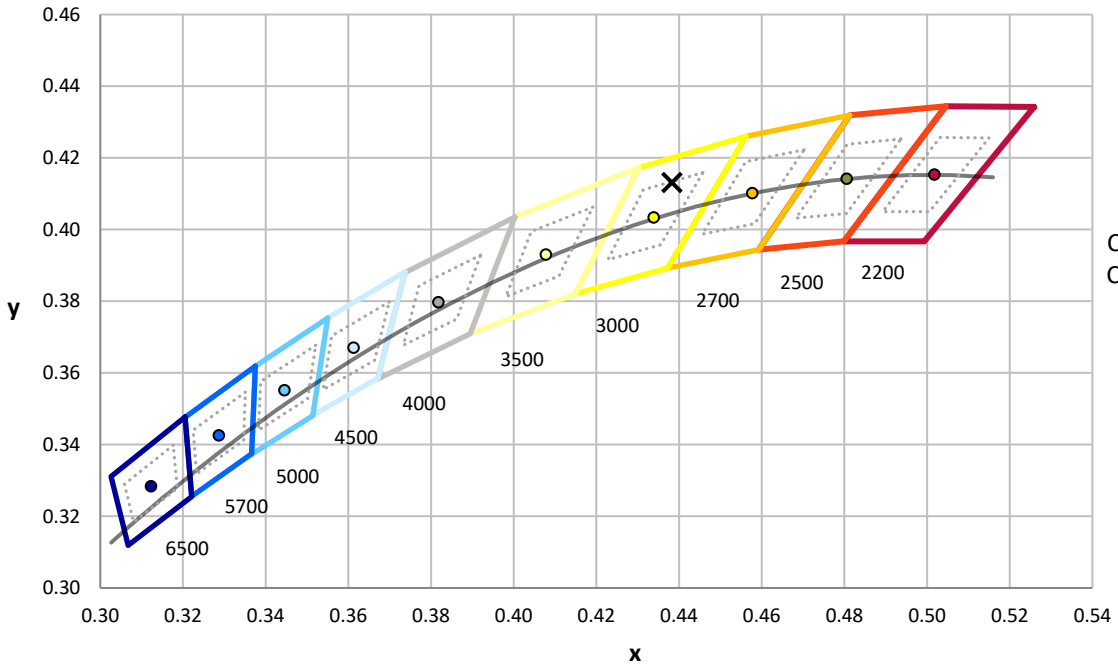
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

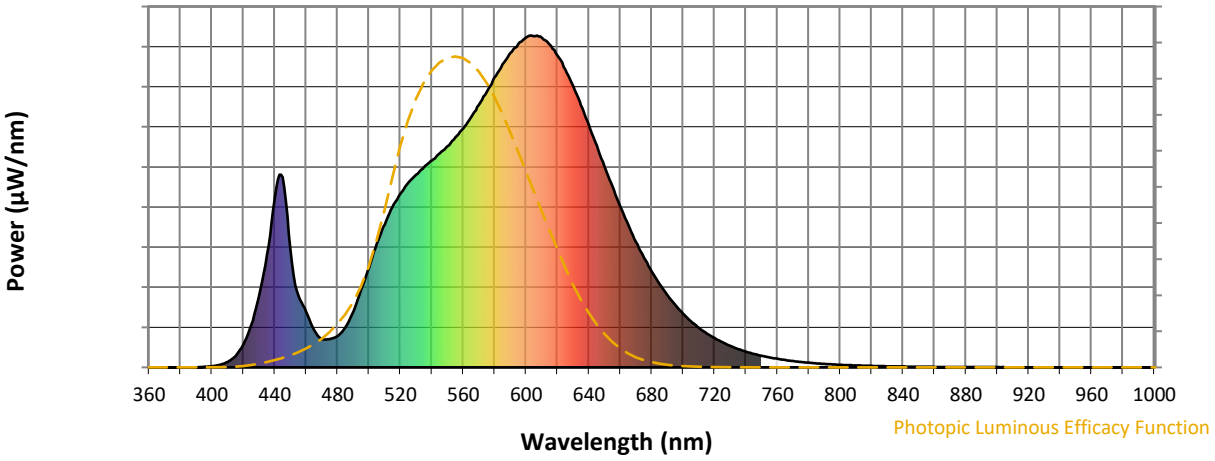


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

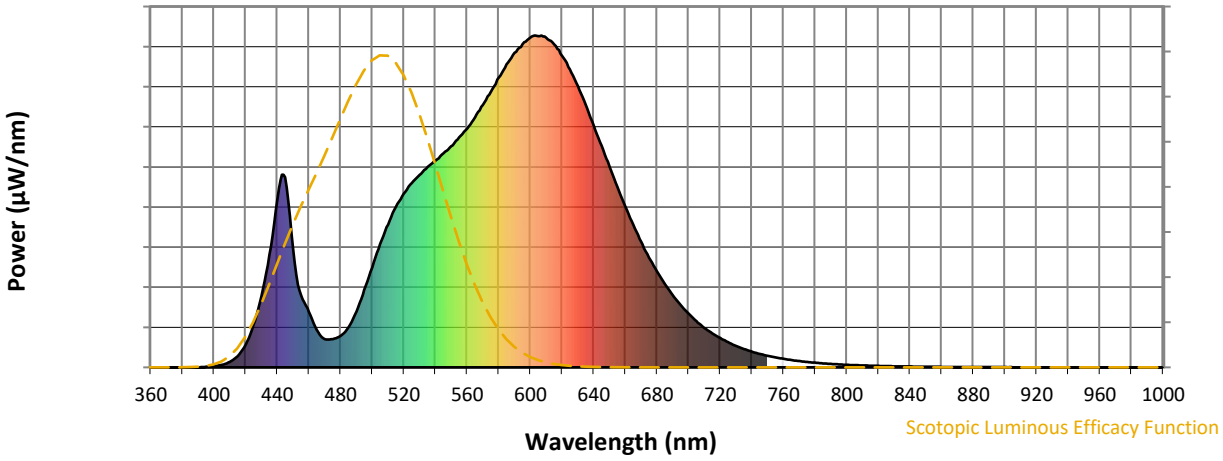


Photopic Lumens: NR

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

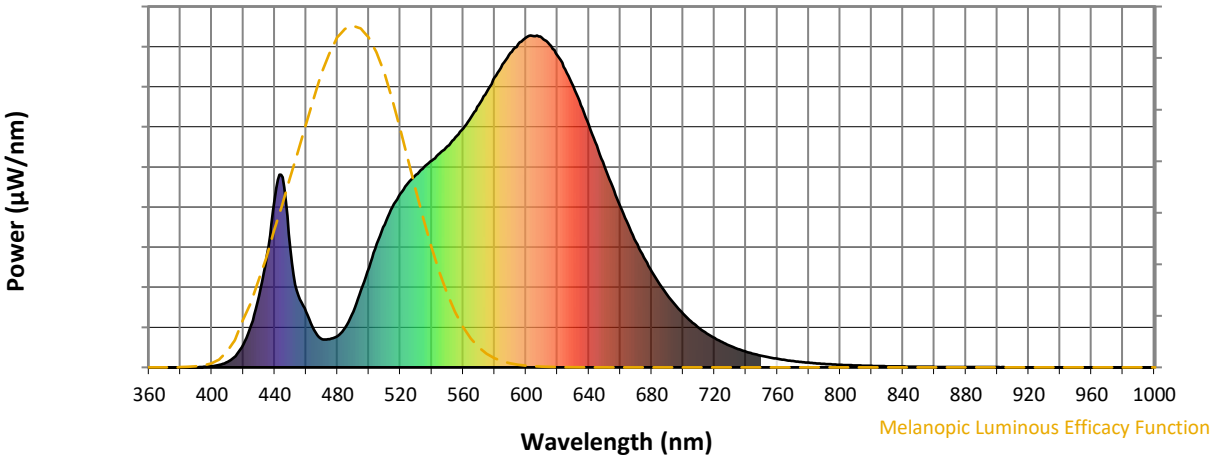


Scotopic Lumens: NR **S/P: 1.27**

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			

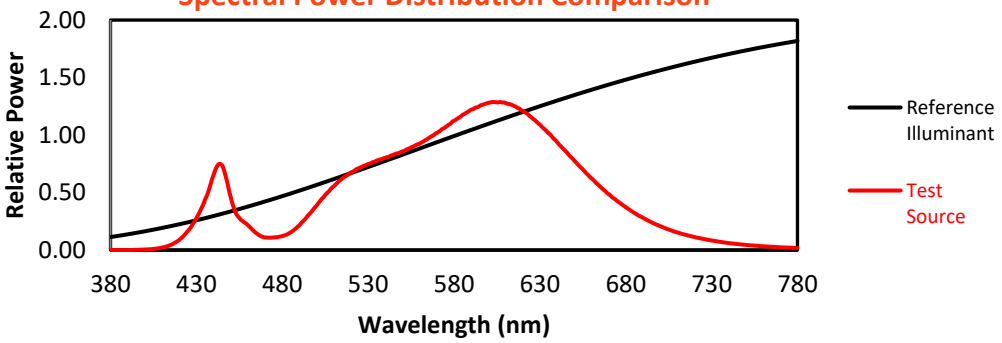
REPORT NUMBER: SP1-2408-195-9

TM-30-18

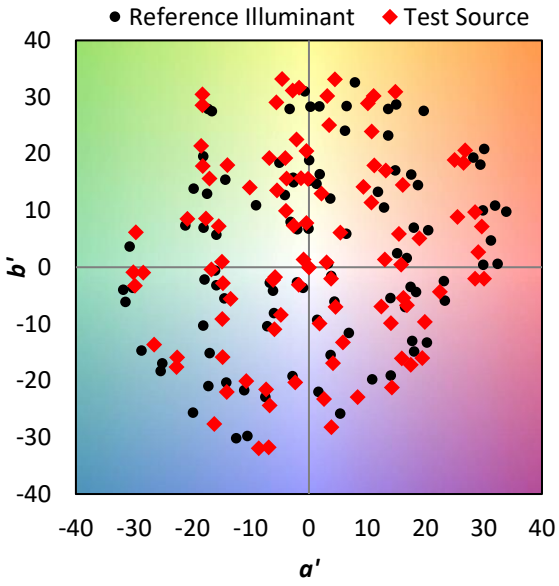
Summary

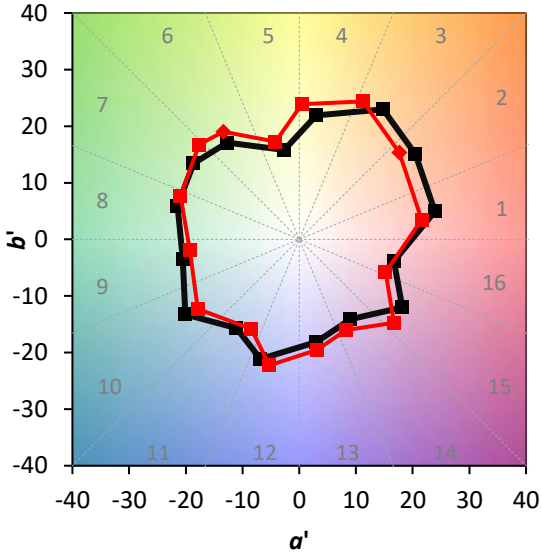
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

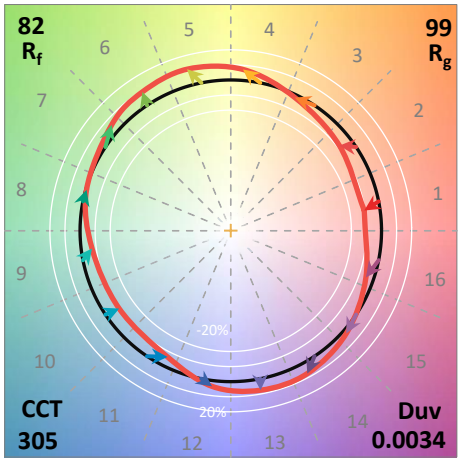
Spectral Power Distribution Comparison

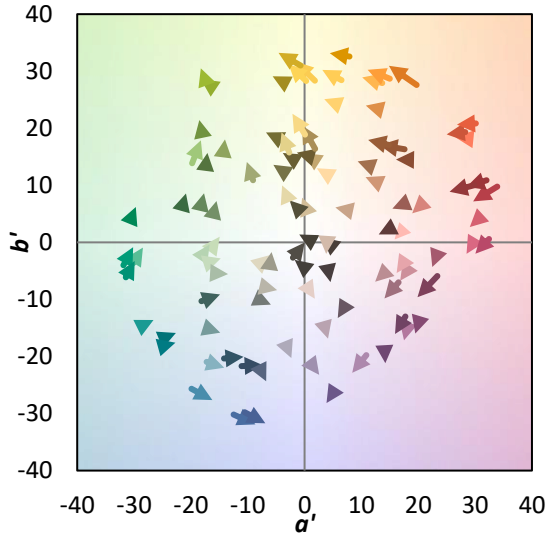


Color Vector Graphics







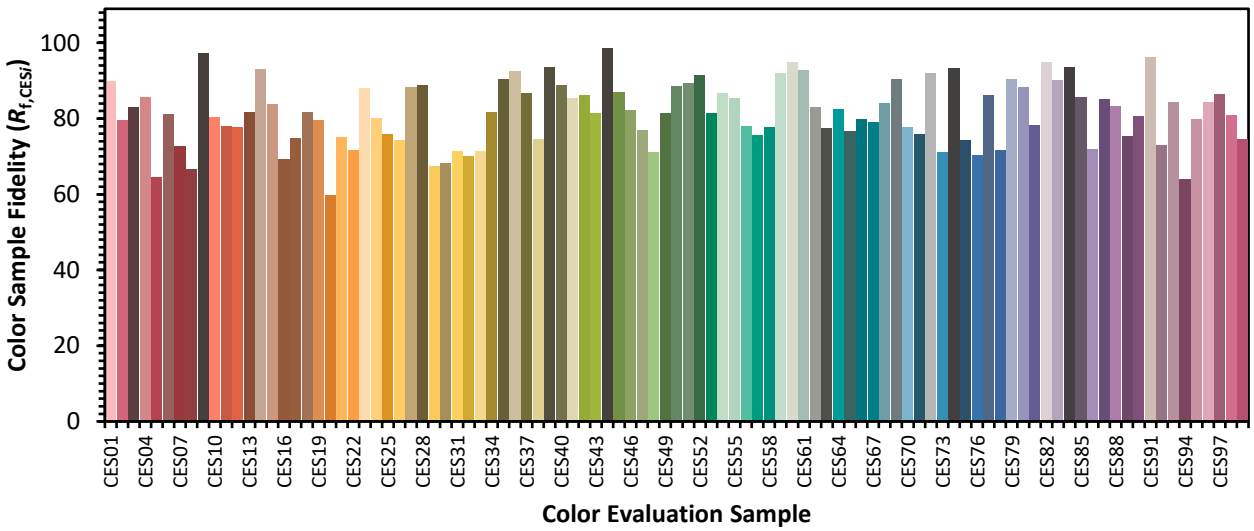


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

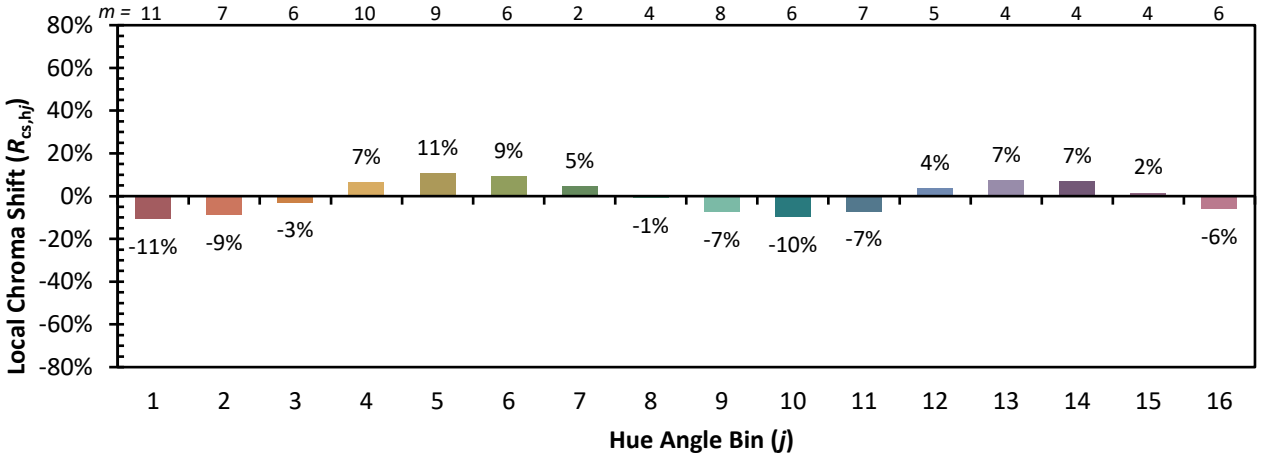
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

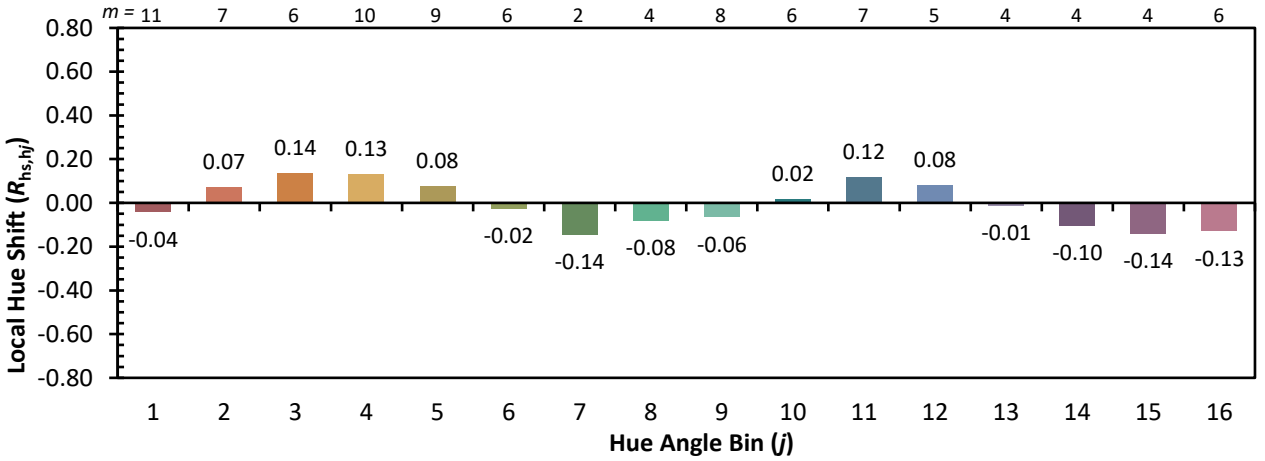


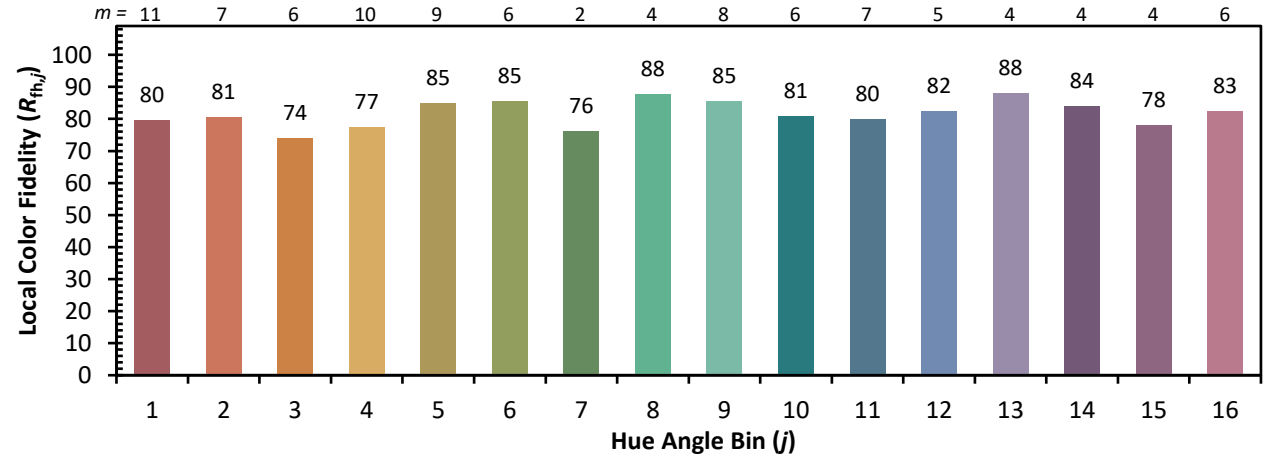
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



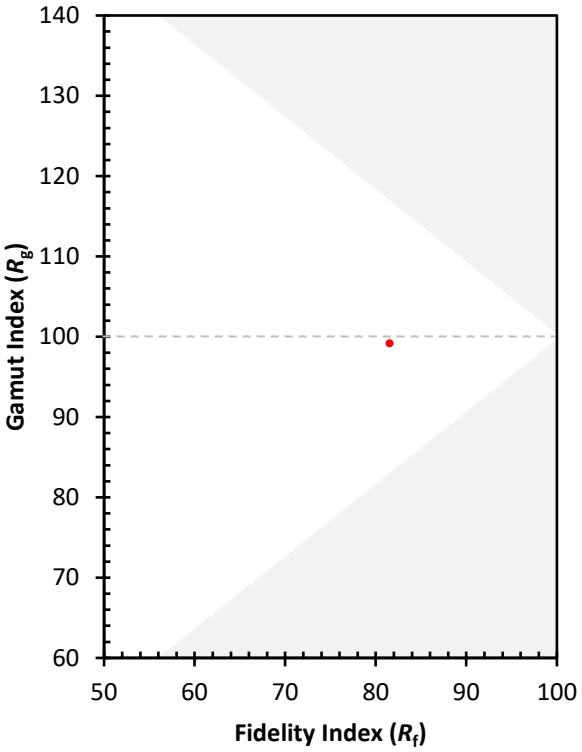


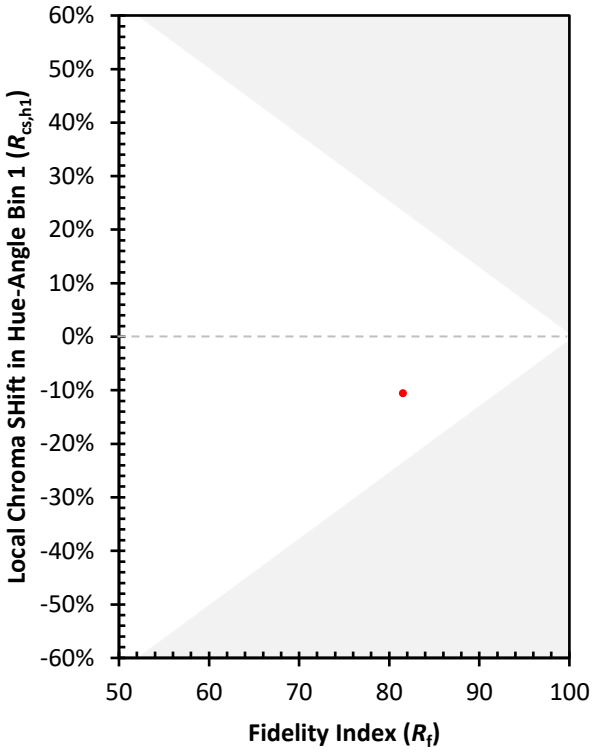


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)