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: P323365

Luminaire Tested: **GLEON-SA1C-830-U-SL2-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:	P323365
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
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-SL2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4874 lumens
Efficiency:	N/A
Efficacy:	82.6 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):	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

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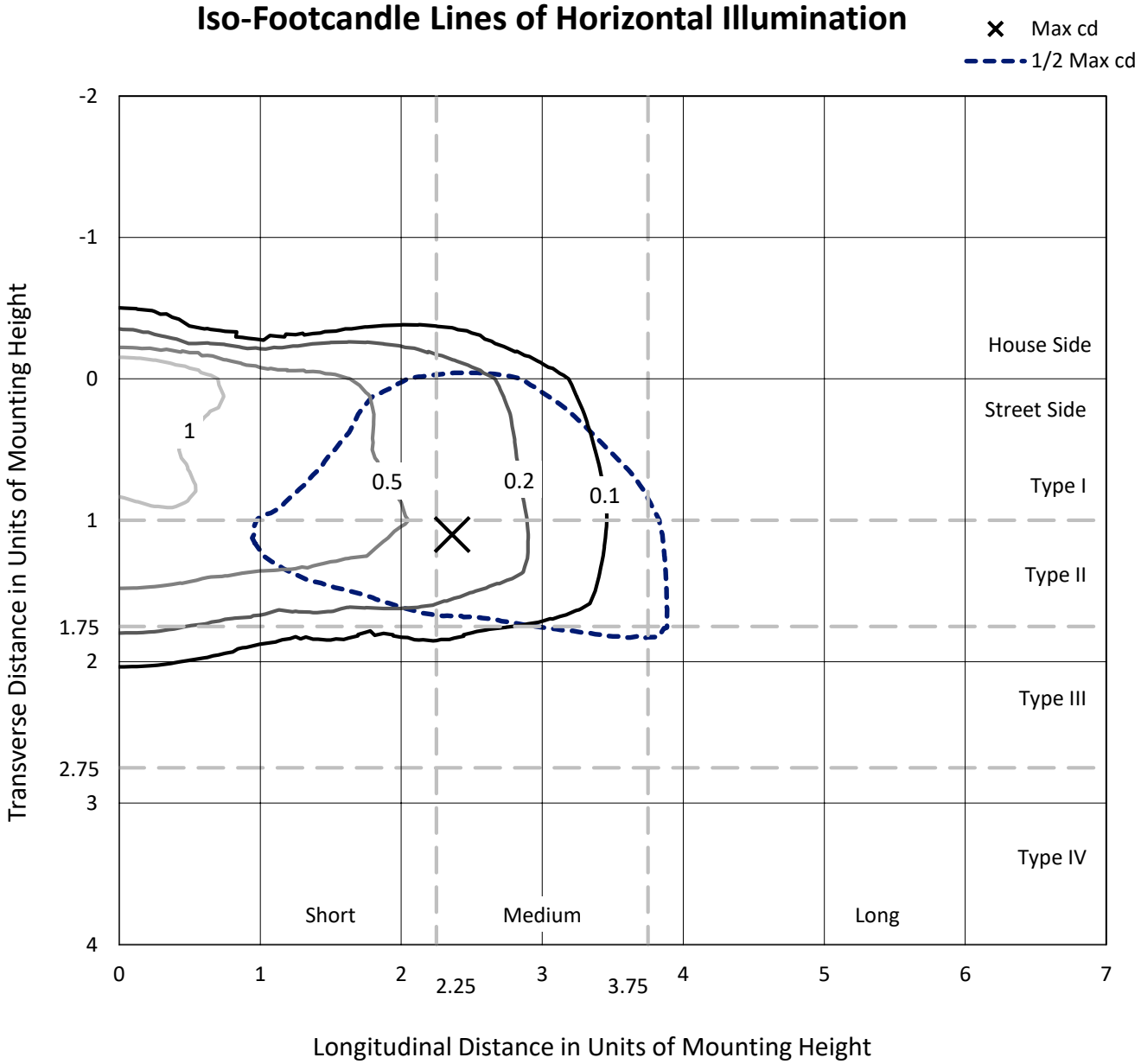
Scaled Data Report

REPORT NUMBER: P323365
CATALOG NUMBER: GLEON-SA1C-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type III - Medium - N/A

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REPORT NUMBER: P323365
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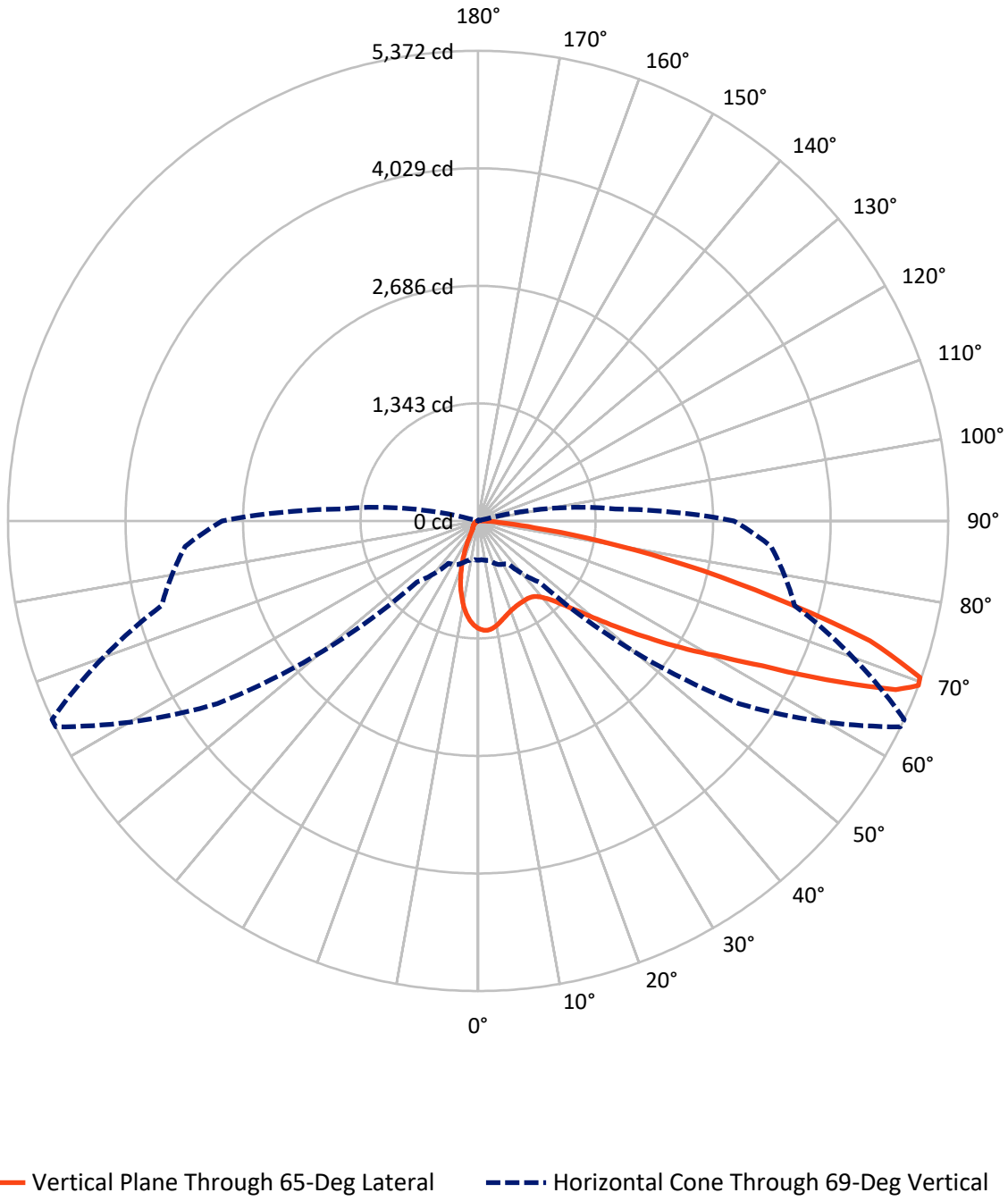
Luminous Intensity Polar Plot



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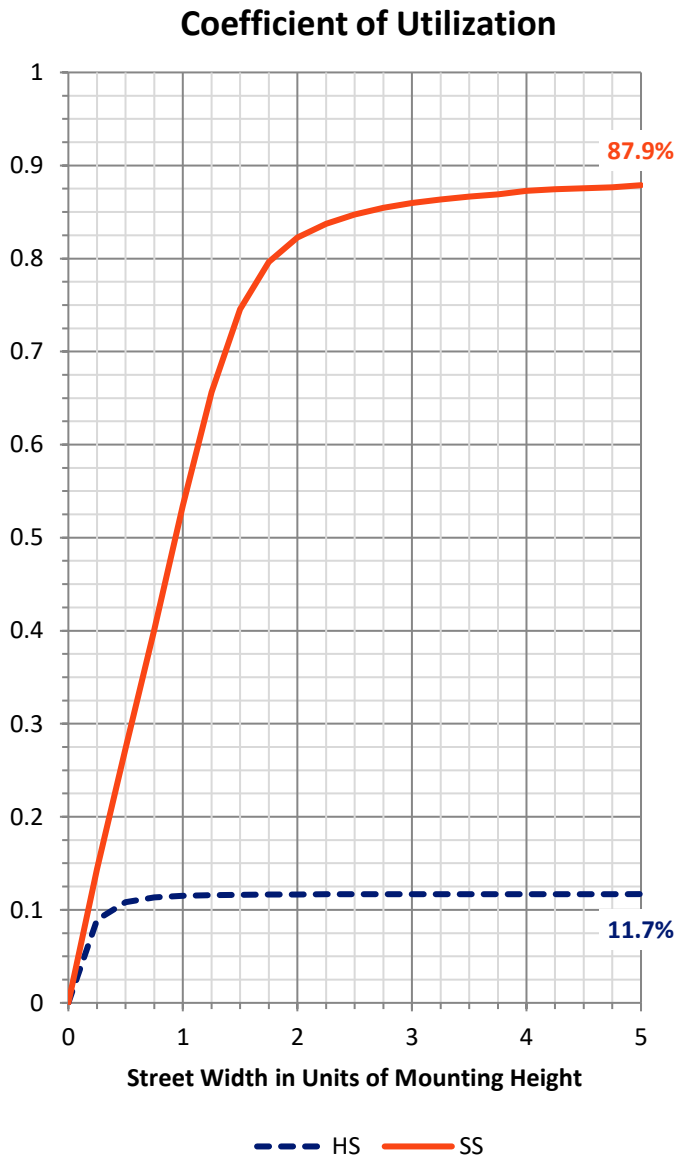
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.5	0.0	574.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4299.5	0.0	4299.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	4874.0	0.0	4874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	2.1
10°-20°	225.5	4.6
20°-30°	312.3	6.4
30°-40°	435.4	8.9
40°-50°	676.7	13.9
50°-60°	1086.4	22.3
60°-70°	1229.0	25.2
70°-80°	721.8	14.8
80°-90°	84.0	1.7
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°	4874.0	100.0
0°-180°	4874.0	100.0



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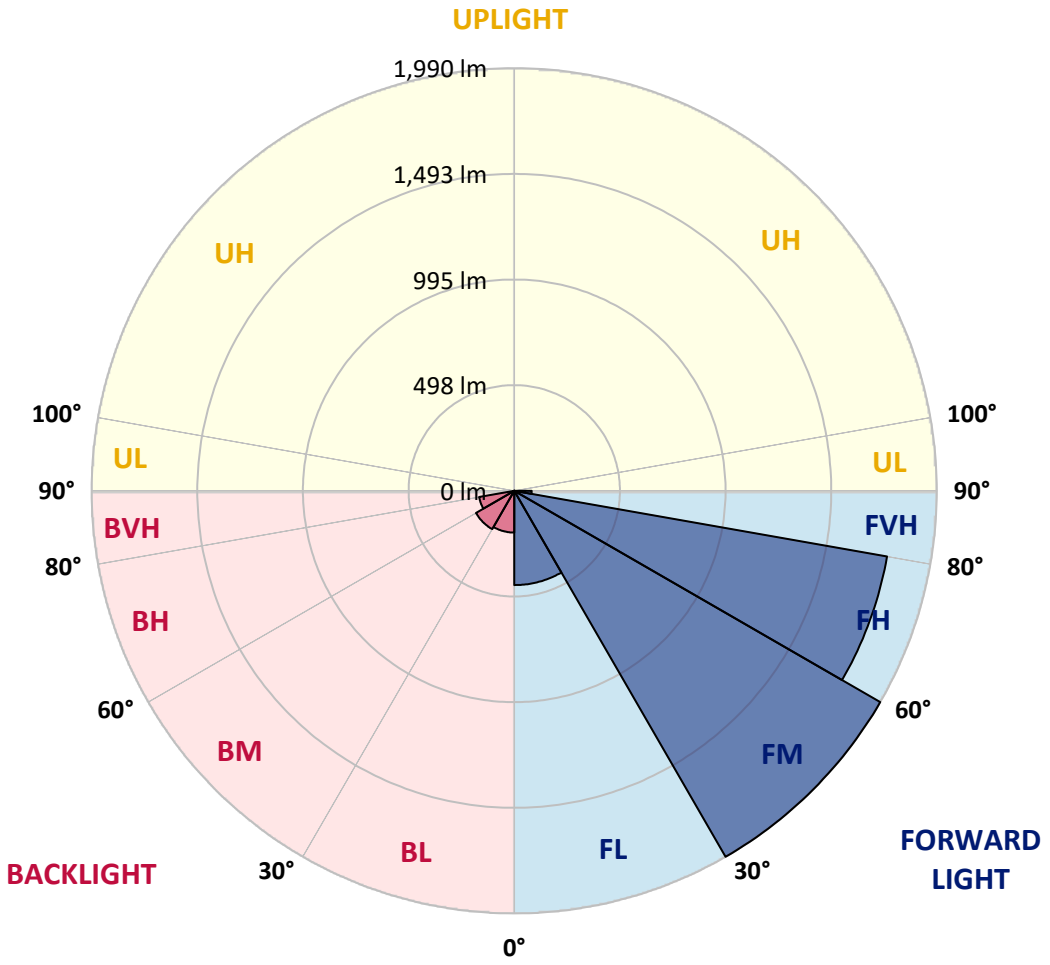
REPORT NUMBER: P323365
CATALOG NUMBER: GLEON-SA1C-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	444.1	9.1			
FM	(30°-60°)	1990.4	40.8			
FH	(60°-80°)	1782.9	36.6			G1/1800
FVH	(80°-90°)	82.1	1.7			G1/100
BL	(0°-30°)	196.6	4.0	B1/500		
BM	(30°-60°)	208.2	4.3	B0/220		
BH	(60°-80°)	167.9	3.4	B1/500		G1/500
BVH	(80°-90°)	1.9	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-G1
Type III Medium



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Scaled Data Report

REPORT NUMBER: P323365
CATALOG NUMBER: GLEON-SA1C-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7	*1231.7*	1231.7	1231.7
2.5°	1242.6	1239.5	1242.0	1247.3	1250.0	1250.0	1252.1	1249.6	*1250.4*	1244.5	1235.8
5°	1164.8	1160.1	1166.9	1182.0	1200.5	1216.4	1239.9	1252.3	*1253.5*	1253.7	1243.6
7.5°	1081.1	1076.8	1086.9	1104.6	1128.5	1158.0	1199.1	1235.0	*1237.0*	1256.4	1249.0
10°	1013.1	1010.0	1021.7	1040.7	1068.7	1101.7	1152.1	1202.0	*1208.0*	1250.8	1248.2
12.5°	959.0	956.5	967.7	989.5	1018.2	1054.7	1107.3	1165.3	*1173.3*	1238.3	1244.0
15°	919.6	919.2	928.5	949.5	981.3	1015.3	1069.2	1131.2	*1140.5*	1224.7	1243.4
17.5°	899.0	899.6	906.4	924.4	951.6	985.4	1037.0	1102.6	*1112.7*	1212.5	1246.5
20°	896.9	897.6	901.3	911.4	933.4	963.3	1010.8	1078.4	*1088.9*	1203.4	1251.5
22.5°	915.1	914.7	915.7	914.7	927.1	949.7	993.5	1059.9	*1072.0*	1197.4	1255.4
25°	949.9	949.3	948.9	941.3	933.0	945.2	986.2	1049.4	*1060.9*	1193.1	1257.7
27.5°	998.4	998.0	997.4	984.8	960.0	952.4	987.1	1045.4	*1055.1*	1189.6	1257.2
30°	1062.1	1065.0	1064.2	1046.7	1008.1	974.5	995.7	1043.4	*1051.8*	1182.8	1252.9
32.5°	1137.0	1142.8	1147.3	1128.5	1080.3	1018.2	1015.7	1045.6	*1051.8*	1177.6	1245.1
35°	1214.8	1222.2	1238.9	1232.3	1168.8	1084.0	1050.2	1059.3	*1064.4*	1180.5	1241.4
37.5°	1291.3	1300.1	1336.4	1355.6	1284.7	1171.0	1103.8	1092.9	*1095.5*	1198.1	1245.5
40°	1380.2	1393.6	1448.6	1479.6	1423.1	1287.6	1184.0	1150.6	*1151.6*	1236.6	1264.7
42.5°	1496.9	1510.7	1570.3	1618.8	1579.0	1434.8	1292.9	1238.9	*1237.9*	1308.8	1309.8
45°	1639.2	1653.6	1715.3	1769.1	1751.2	1609.3	1432.3	1367.8	*1366.5*	1422.6	1395.4
47.5°	1800.5	1814.7	1869.8	1925.3	1944.6	1813.1	1609.9	1543.7	*1540.8*	1580.8	1527.6
50°	1938.9	1948.1	1998.9	2073.5	2161.0	2063.4	1830.8	1767.1	*1764.0*	1791.0	1721.7
52.5°	1989.2	1994.6	2046.1	2150.7	2368.9	2402.5	2121.0	2038.9	*2036.6*	2048.4	1980.1
55°	1887.3	1897.0	1960.3	2115.4	2481.5	2785.7	2487.3	2375.5	*2358.4*	2333.0	2250.3
57.5°	1609.7	1625.2	1693.2	1899.5	2428.9	3089.7	3025.5	2756.2	*2731.0*	2575.9	2469.9
60°	1206.1	1225.1	1281.6	1504.1	2148.2	3198.0	3613.7	3180.4	*3123.7*	2769.4	2671.8
62.5°	827.6	837.1	875.5	1020.5	1582.1	3020.6	4105.8	3748.6	*3645.1*	2979.8	2890.3
65°	632.1	635.4	651.1	701.0	942.1	2453.6	4301.6	4498.3	*4373.1*	3231.4	3116.9
67.5°	509.4	506.7	528.4	599.7	630.9	1496.9	4073.3	5207.6	*5149.0*	3567.8	3345.0
69°	*449.2*	*445.5*	*467.5*	*550.5*	*592.5*	*989.5*	*3641.4*	*5368.6*	*5372.4*	*3745.3*	*3360.7*
70°	404.2	406.7	428.6	521.2	579.5	776.7	3228.9	5327.6	*5356.9*	3811.7	3266.6
72.5°	270.0	276.6	320.5	432.7	557.3	587.8	1949.6	4571.7	*4684.3*	3662.2	2802.6
75°	152.2	157.2	209.3	326.3	525.1	559.7	1029.8	3368.1	*3477.0*	3062.5	2161.2
77.5°	74.7	77.3	118.4	210.6	439.1	533.3	584.1	2287.8	*2412.2*	1998.9	1222.4
80°	31.6	33.0	59.2	129.9	313.9	509.0	433.7	1408.0	*1423.5*	783.1	325.7
82.5°	12.2	12.6	25.0	81.1	199.4	396.8	362.8	667.6	*651.5*	147.5	74.2
85°	1.4	1.6	9.1	48.7	111.0	204.2	294.7	287.7	*266.3*	29.3	38.2
87.5°	0.0	0.0	0.6	14.8	33.0	95.7	153.2	119.4	*107.7*	9.5	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P323365
CATALOG NUMBER: GLEON-SA1C-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7	1231.7
2.5°	1228.6	1226.5	1215.4	1199.3	1184.0	1165.1	1146.9	1136.0	1127.3	1121.5	1128.3
5°	1231.9	1222.8	1189.0	1145.7	1103.2	1055.3	1010.8	973.0	958.2	941.7	949.1
7.5°	1230.8	1213.7	1152.9	1075.8	997.8	917.2	840.8	782.1	751.5	721.6	729.3
10°	1225.7	1196.8	1104.6	990.4	873.6	757.7	649.5	567.2	521.2	479.5	485.5
12.5°	1214.3	1174.1	1047.7	892.6	736.5	583.7	456.8	351.4	294.9	270.0	273.1
15°	1207.5	1152.1	987.5	793.6	590.1	406.5	279.2	207.7	181.9	173.7	174.7
17.5°	1204.2	1130.8	925.2	680.4	440.3	258.8	180.5	159.2	153.6	152.2	152.6
20°	1200.9	1109.4	861.1	568.4	303.4	174.1	148.3	142.1	140.0	138.2	138.6
22.5°	1195.4	1088.7	792.2	455.0	204.6	141.3	133.6	127.7	123.3	121.1	121.5
25°	1188.6	1067.1	721.8	338.9	149.3	126.0	118.8	110.3	105.2	101.1	101.3
27.5°	1177.6	1040.5	649.2	246.7	125.4	112.8	103.1	93.8	85.2	80.4	80.4
30°	1162.4	1010.4	568.6	176.5	112.4	99.8	88.1	76.5	67.2	62.9	62.5
32.5°	1145.5	979.0	487.1	133.9	102.1	87.7	74.2	62.1	53.8	50.3	50.1
35°	1131.0	945.2	405.9	112.2	91.8	75.9	61.3	50.9	44.3	41.5	41.2
37.5°	1121.7	911.4	326.7	100.2	82.5	65.0	51.4	42.1	37.3	35.1	34.9
40°	1120.3	886.2	254.3	91.2	73.8	55.3	42.9	35.7	31.3	28.9	28.7
42.5°	1139.1	871.8	195.1	83.5	65.0	46.8	36.5	30.5	26.0	23.5	23.3
45°	1188.4	876.3	150.1	76.7	56.1	39.6	30.9	25.4	21.2	19.4	19.0
47.5°	1278.3	907.7	119.4	69.9	47.6	33.6	26.4	21.0	17.5	15.7	15.5
50°	1438.3	981.3	99.8	62.5	39.8	28.7	21.9	17.1	14.2	12.6	12.4
52.5°	1650.7	1112.5	89.1	55.3	33.0	24.3	17.9	13.6	11.1	9.9	9.7
55°	1885.0	1271.3	82.1	47.4	27.0	20.2	14.2	10.7	8.7	7.6	7.2
57.5°	2113.8	1408.8	75.5	39.8	22.5	16.5	11.3	8.5	6.8	5.8	5.6
60°	2323.9	1535.3	67.9	32.0	18.4	13.0	8.9	6.6	5.4	4.3	4.3
62.5°	2548.9	1633.0	57.3	25.0	15.1	9.9	7.2	6.0	4.3	3.7	3.5
65°	2787.3	1705.6	45.0	19.4	11.8	7.4	6.0	6.2	3.5	2.7	2.5
67.5°	2963.5	1691.2	33.2	15.3	9.1	5.8	5.8	6.6	3.1	2.1	1.9
69°	*2924.7*	*1573.8*	*27.8*	*13.2*	*7.8*	*4.9*	*5.4*	*6.6*	*2.9*	*1.9*	*1.6*
70°	2812.3	1443.9	24.5	11.8	7.0	4.5	5.2	6.4	2.7	1.9	1.6
72.5°	2342.1	1087.5	19.2	8.9	5.6	3.7	4.3	5.6	2.7	1.9	1.4
75°	1761.7	696.1	14.6	6.4	4.1	2.9	3.3	4.1	2.7	1.6	1.4
77.5°	958.6	251.0	10.5	4.3	2.9	2.3	2.3	3.1	2.5	1.2	0.8
80°	246.5	63.1	6.6	2.9	2.3	1.6	1.4	2.1	1.4	0.2	0.0
82.5°	60.8	14.2	3.5	2.1	1.6	0.6	0.6	1.0	0.6	0.0	0.0
85°	33.4	7.0	2.3	1.4	0.8	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	17.1	2.1	0.6	0.4	0.2	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

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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

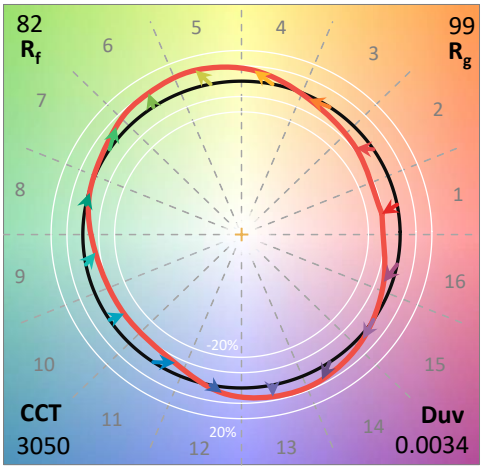
Test Information

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

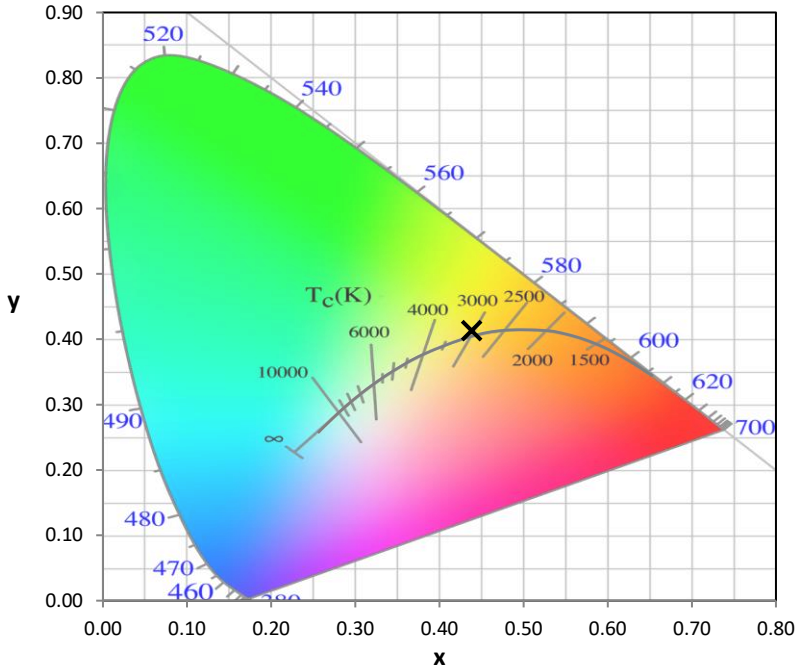
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

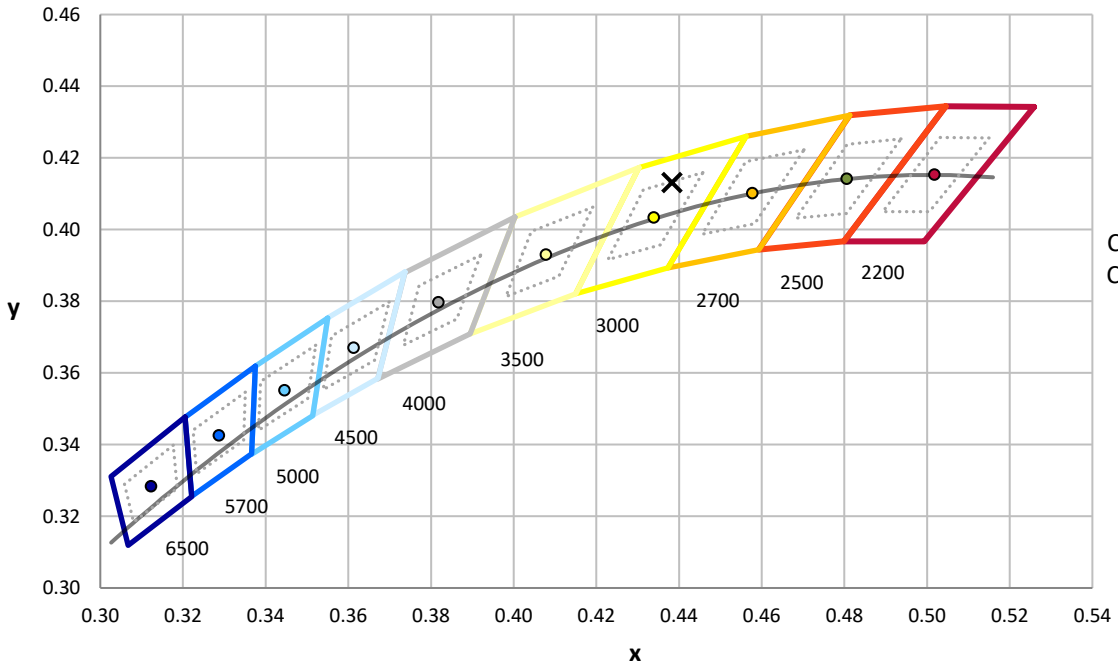
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

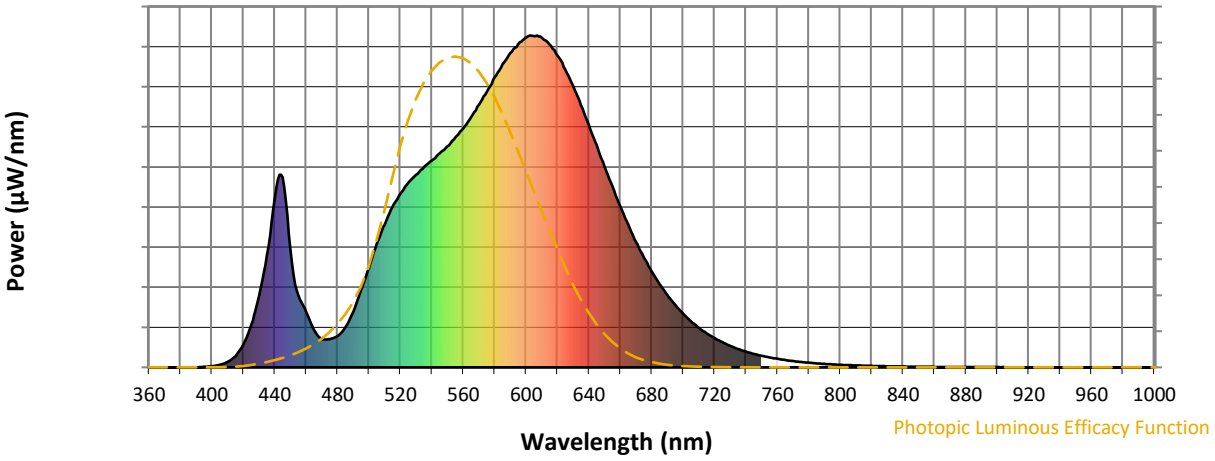


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

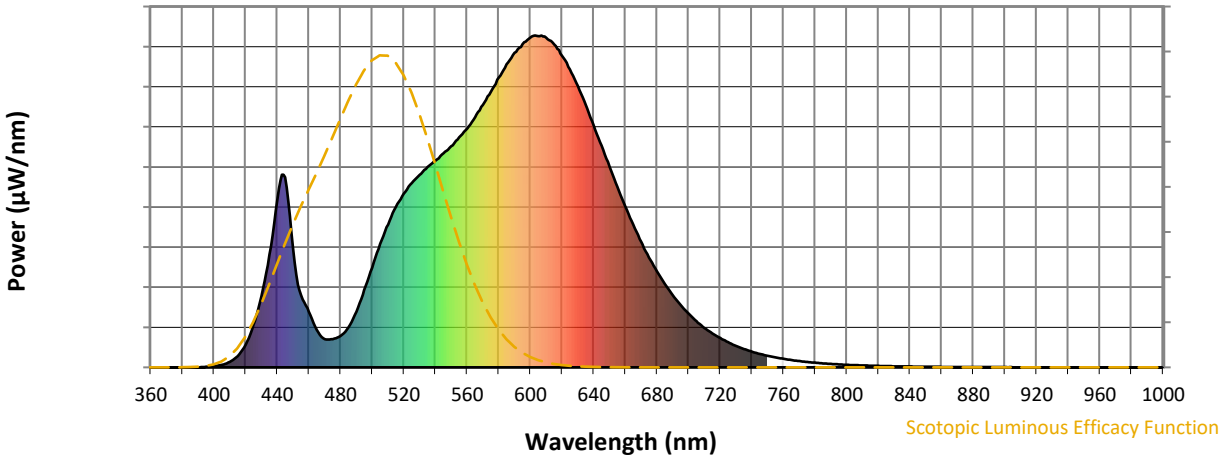


Photopic Lumens: NR

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

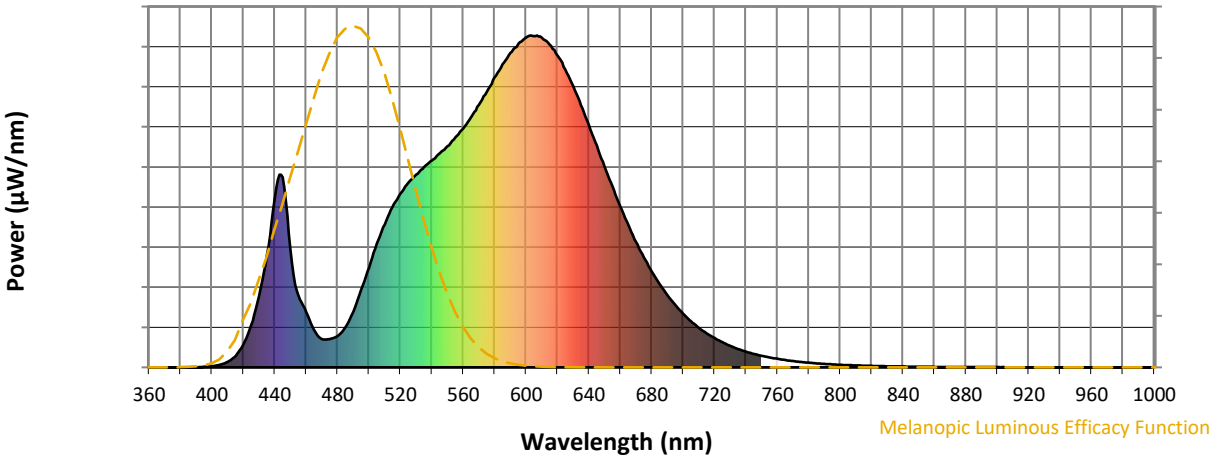


Scotopic Lumens: NR **S/P: 1.27**

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			

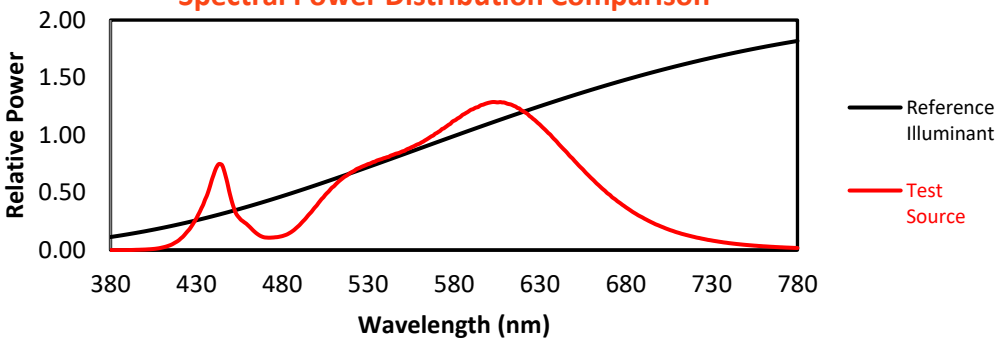
REPORT NUMBER: SP1-2408-195-9

TM-30-18

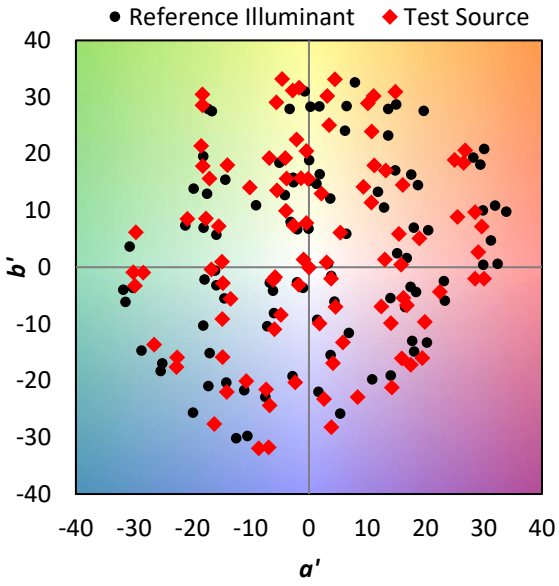
Summary

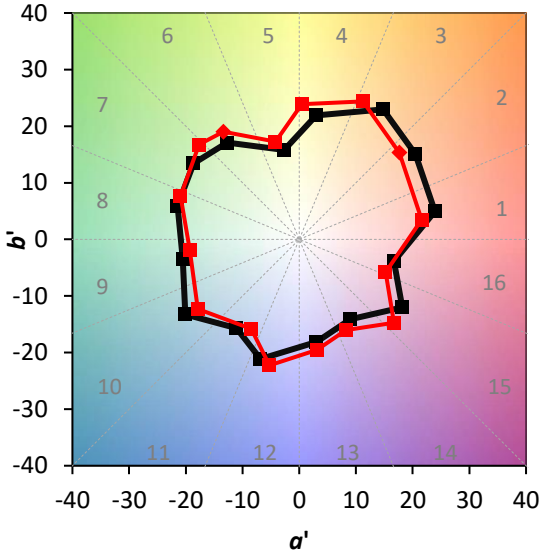
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

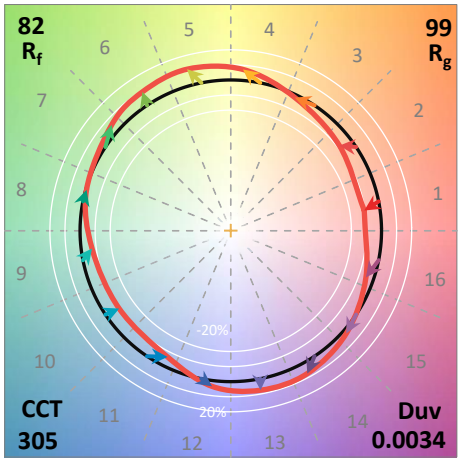
Spectral Power Distribution Comparison

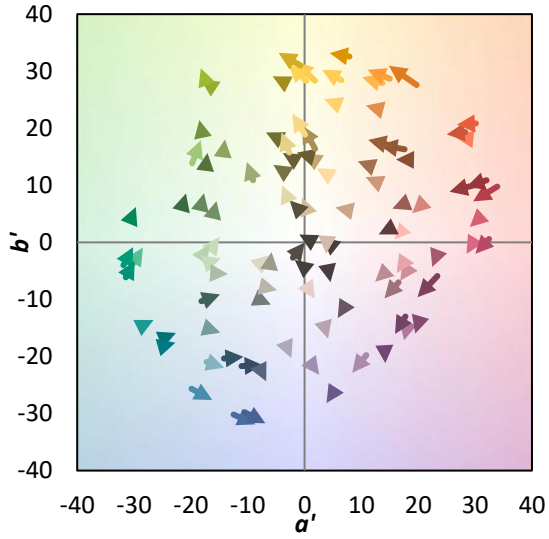


Color Vector Graphics







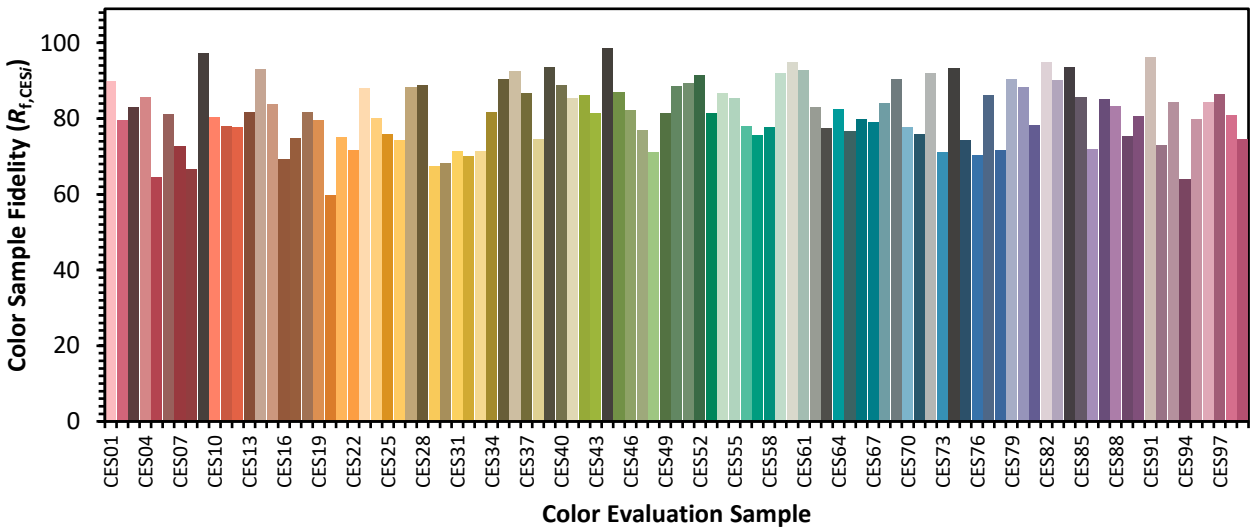


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

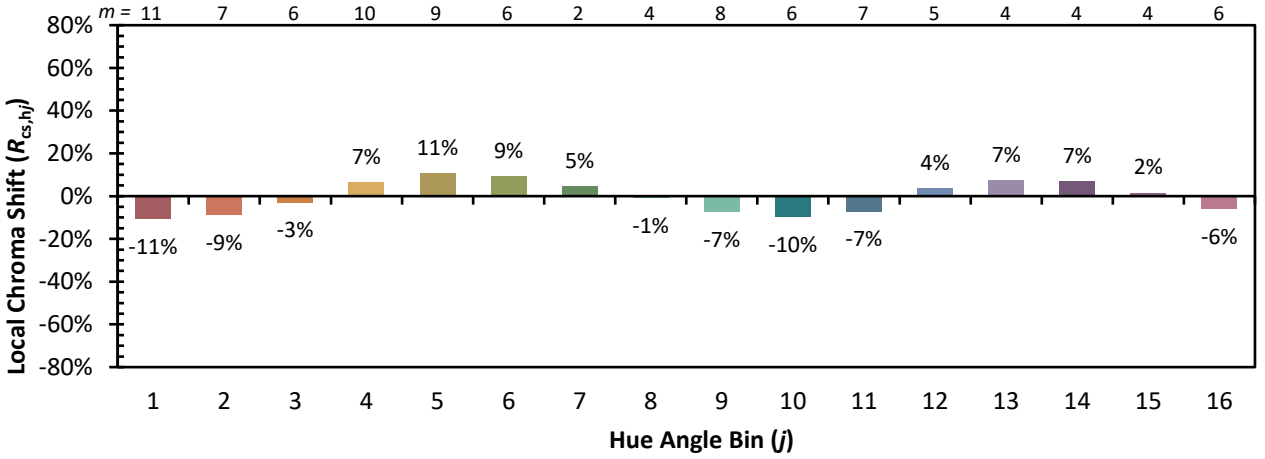
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

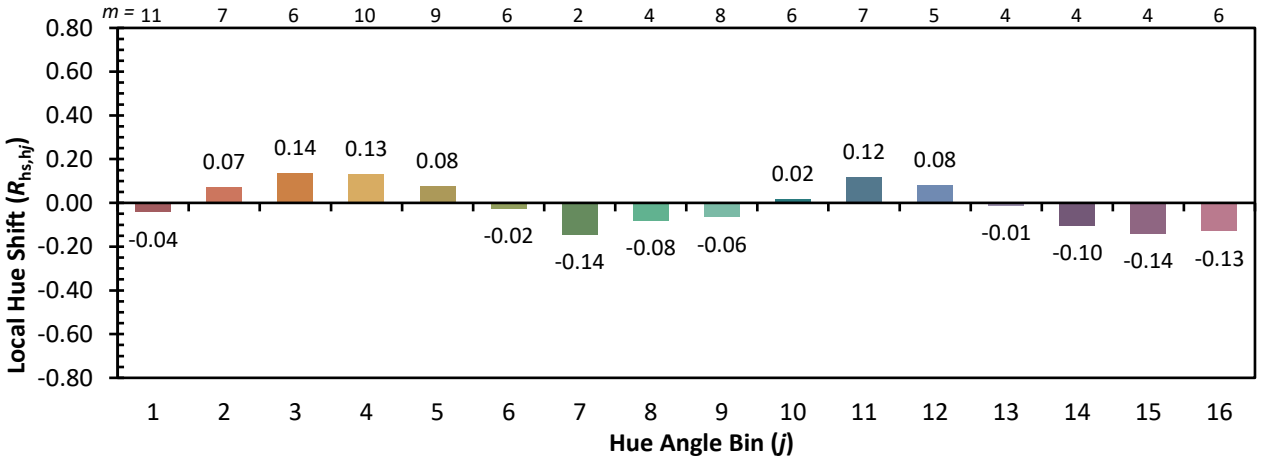


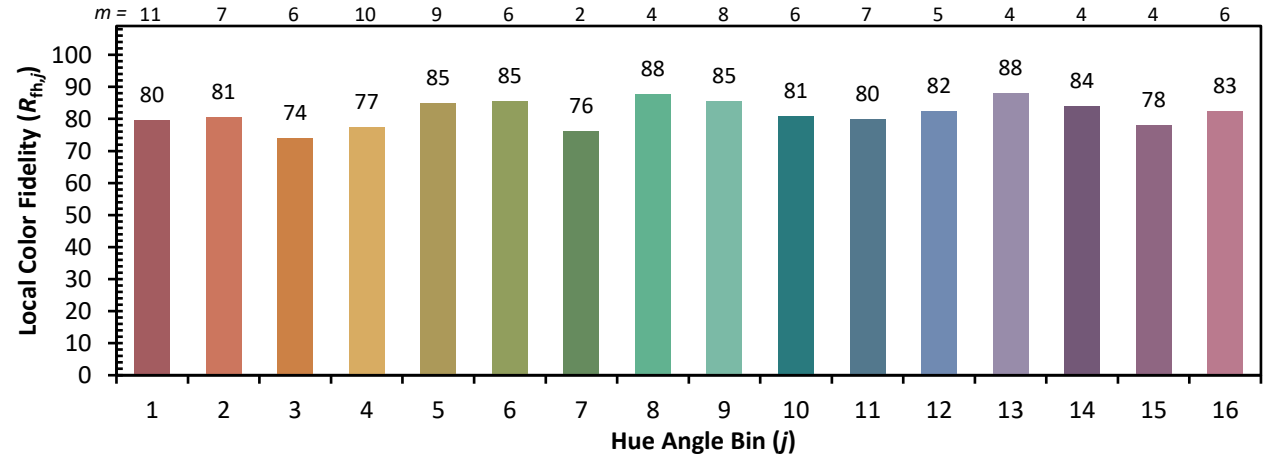
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



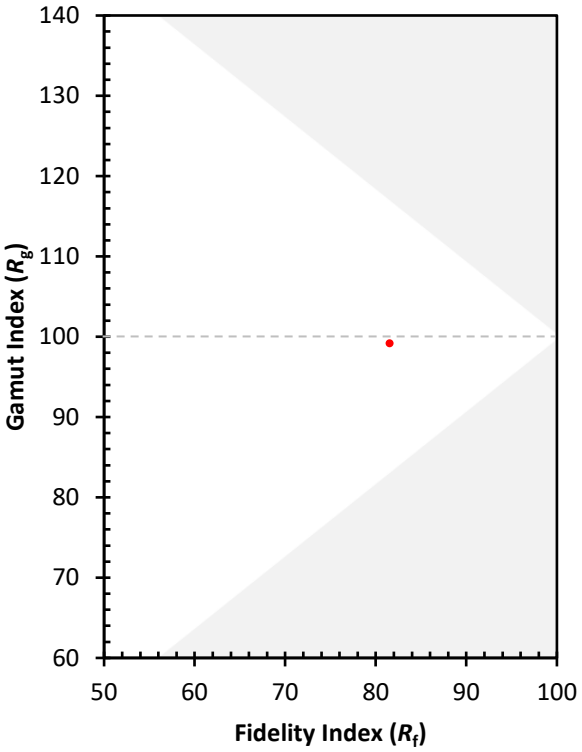


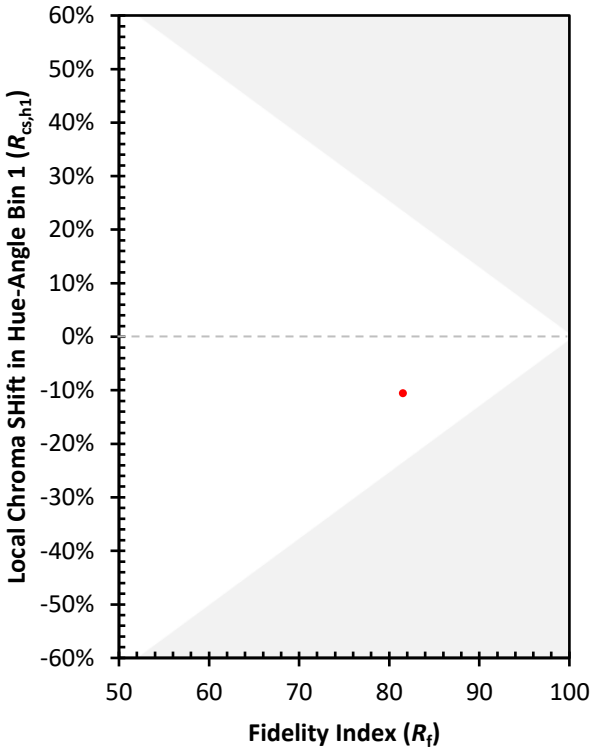


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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