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: P322716

Luminaire Tested: **GLEON-SA2B-830-U-T4FT-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:	P322716
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
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-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6598 lumens
Efficiency:	N/A
Efficacy:	77.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

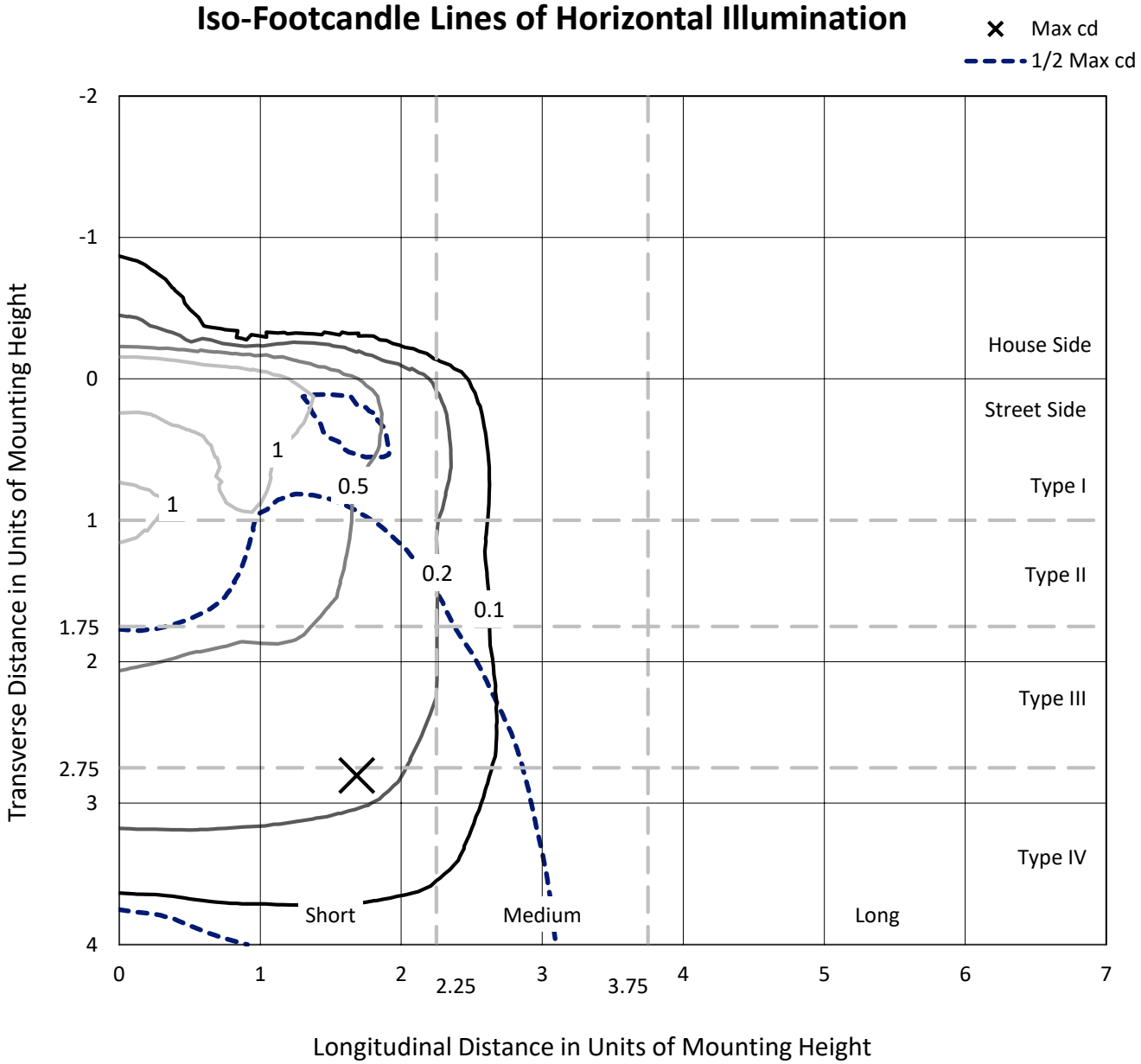
Input Watts (W):	85
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P322716
CATALOG NUMBER: GLEON-SA2B-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



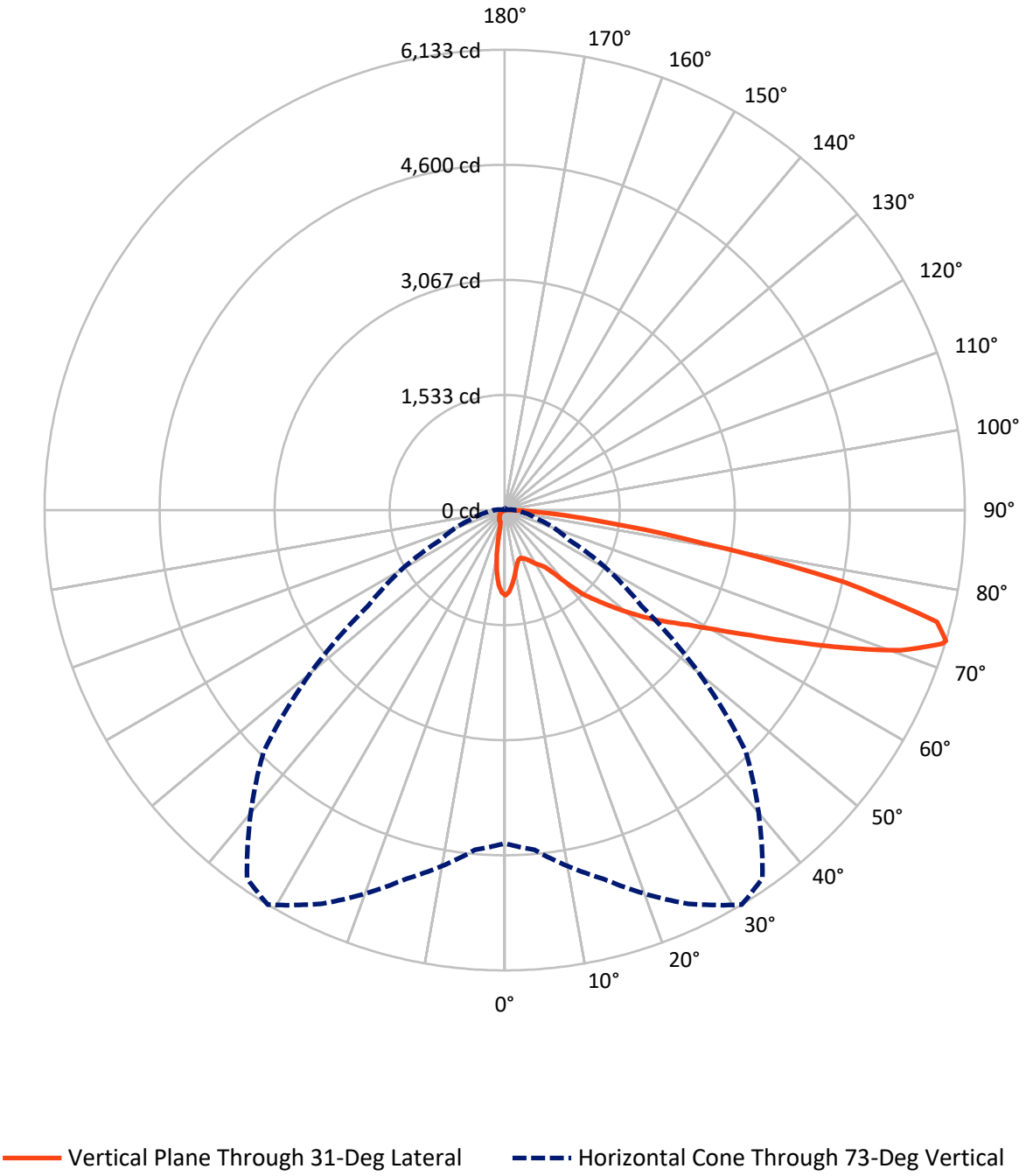
Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P322716
CATALOG NUMBER: GLEON-SA2B-830-U-T4FT-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

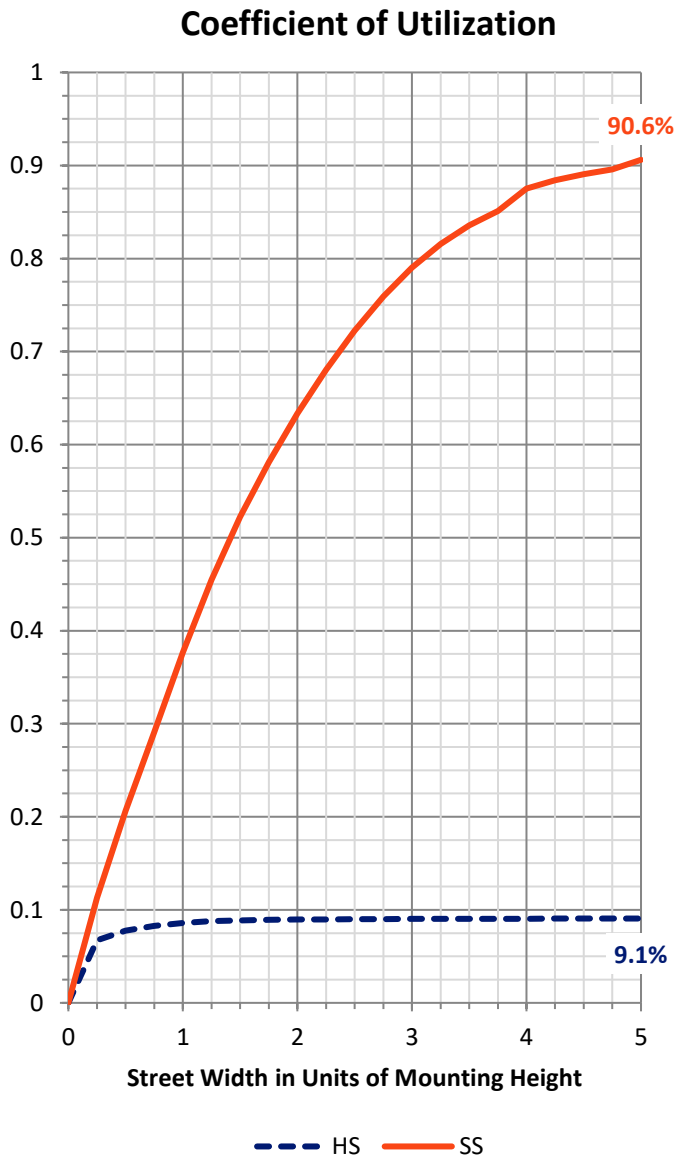
REPORT NUMBER: P322716
CATALOG NUMBER: GLEON-SA2B-830-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	601.4	0.0	601.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5996.6	0.0	5996.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	6598.0	0.0	6598.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	1.4
10°-20°	204.4	3.1
20°-30°	306.2	4.6
30°-40°	487.2	7.4
40°-50°	870.0	13.2
50°-60°	1349.9	20.5
60°-70°	1794.5	27.2
70°-80°	1349.9	20.5
80°-90°	141.8	2.1
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°	6598.0	100.0
0°-180°	6598.0	100.0



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

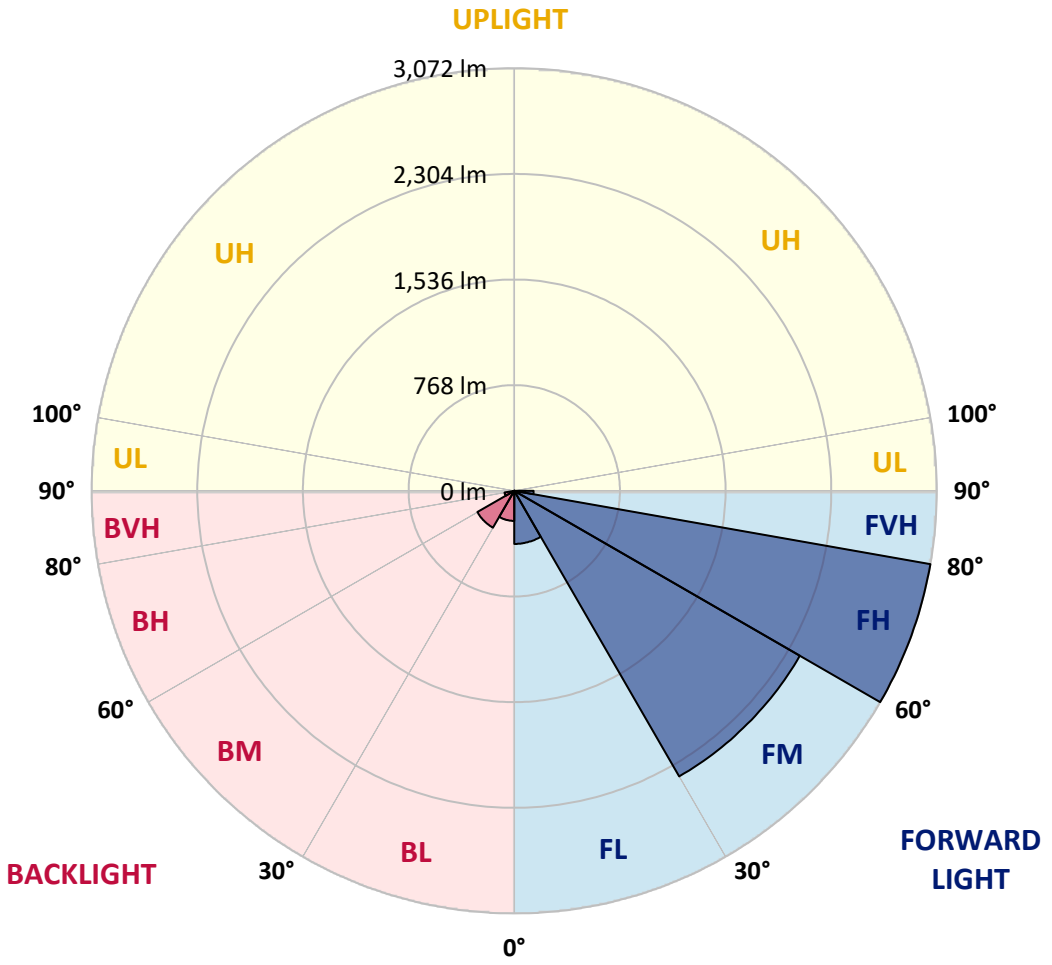
Scaled Data Report

REPORT NUMBER: P322716
CATALOG NUMBER: GLEON-SA2B-830-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	386.0	5.9			
FM	(30°-60°)	2397.5	36.3			
FH	(60°-80°)	3072.5	46.6			G2/5000
FVH	(80°-90°)	140.6	2.1			G2/225
BL	(0°-30°)	218.7	3.3	B1/500		
BM	(30°-60°)	309.6	4.7	B1/1000		
BH	(60°-80°)	71.9	1.1	B0/110		G0/110
BVH	(80°-90°)	1.2	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 IV Short



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

Scaled Data Report

REPORT NUMBER: P322716
CATALOG NUMBER: GLEON-SA2B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2
2.5°	1075.8	1080.3	1085.2	1086.1	1094.2	1094.5	1106.1	1114.9	1123.6	1132.0	1134.9
5°	965.4	972.8	981.5	990.2	1007.3	1014.1	1042.5	1071.6	1099.4	1125.8	1138.8
7.5°	847.5	855.9	868.2	889.8	908.9	922.1	967.0	1018.6	1070.3	1119.1	1147.1
10°	740.0	747.8	760.7	783.6	813.0	831.1	891.4	963.1	1039.0	1112.9	1159.7
12.5°	671.6	675.8	682.9	707.4	733.9	754.2	825.2	914.0	1013.2	1112.6	1180.1
15°	659.0	660.3	654.5	665.4	686.1	705.8	777.8	874.3	993.5	1117.8	1206.6
17.5°	679.0	678.3	659.0	657.7	674.1	690.3	754.5	846.9	979.6	1129.7	1240.8
20°	709.3	707.1	673.5	667.4	684.8	700.0	752.9	836.5	974.4	1149.7	1282.4
22.5°	749.7	745.8	693.2	686.7	705.5	721.3	772.9	846.6	978.9	1176.5	1330.9
25°	799.7	793.9	727.1	720.0	739.0	754.9	808.8	875.3	992.5	1209.1	1392.2
27.5°	856.2	847.8	781.3	762.9	784.6	801.0	856.6	919.2	1013.8	1243.7	1467.4
30°	909.5	898.5	838.5	808.1	834.6	853.0	908.2	971.5	1048.0	1297.0	1570.4
32.5°	963.1	950.8	889.5	853.3	877.2	897.2	961.5	1043.5	1112.3	1378.3	1707.3
35°	1086.4	1073.5	998.3	938.6	938.3	949.6	1036.1	1142.0	1197.2	1491.6	1870.7
37.5°	1294.0	1286.6	1214.9	1101.6	1071.3	1058.7	1137.8	1259.5	1319.2	1647.6	2055.0
40°	1521.3	1514.9	1434.5	1331.8	1285.7	1254.7	1283.7	1423.2	1491.6	1838.1	2243.3
42.5°	1778.0	1747.4	1604.0	1573.3	1532.0	1508.4	1482.3	1625.0	1703.4	2045.4	2429.9
45°	2011.1	1959.5	1773.5	1727.0	1717.7	1723.5	1738.0	1896.2	1941.7	2291.7	2615.9
47.5°	2150.0	2109.3	1966.6	1922.0	1919.4	1957.9	2067.6	2202.6	2179.0	2506.4	2779.6
50°	2282.0	2245.2	2126.7	2137.7	2149.6	2202.0	2441.8	2517.7	2395.7	2701.1	2929.7
52.5°	2388.9	2332.7	2270.7	2332.4	2391.2	2475.4	2828.0	2800.5	2549.4	2856.1	3058.2
55°	2450.6	2425.1	2455.1	2517.1	2627.5	2764.4	3192.5	3035.9	2661.7	2997.5	3143.8
57.5°	2676.6	2626.5	2686.3	2739.8	2883.8	3075.3	3504.7	3211.2	2742.8	3085.0	3163.4
60°	2950.0	2909.7	2944.9	3034.0	3228.3	3453.4	3796.6	3354.3	2785.0	3141.2	3112.4
62.5°	3385.3	3332.0	3310.0	3409.8	3667.4	3913.1	4018.1	3453.4	2775.7	3116.3	2937.4
65°	3968.4	3913.1	3815.0	3905.4	4233.1	4406.5	4265.7	3474.4	2711.1	2915.2	2495.1
67.5°	4565.7	4525.6	4441.7	4594.1	4889.8	4945.7	4527.6	3423.4	2503.2	2363.7	1762.9
70°	4960.2	4943.1	4997.7	5334.7	5598.5	5582.4	4767.8	3149.2	1951.1	1453.5	872.1
72.5°	4675.8	4757.8	5160.7	5771.9	6094.1	5962.4	4644.4	2418.3	1115.2	559.2	252.2
73°	4440.1	4545.0	5087.4	5788.4	6133.2	5988.9	4540.8	2219.7	950.5	441.4	191.1
75°	3088.9	3217.7	4211.8	5390.9	5950.4	5706.0	3785.0	1358.6	440.4	195.7	77.2
77.5°	1499.7	1595.0	2319.2	3895.1	4627.6	4458.1	2356.3	506.3	198.9	122.4	35.5
80°	559.9	622.5	1006.7	1982.4	2674.3	2744.4	1036.4	191.5	132.4	98.5	18.1
82.5°	146.6	163.4	371.3	884.0	1370.6	1434.5	326.7	96.5	96.9	81.0	11.0
85°	46.8	53.6	115.9	396.8	645.7	567.0	85.2	46.8	70.4	60.4	6.1
87.5°	5.8	7.4	36.8	93.3	142.4	79.1	13.2	13.9	30.0	33.6	3.6
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

Scaled Data Report

REPORT NUMBER: P322716
CATALOG NUMBER: GLEON-SA2B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2	1135.2
2.5°	1137.8	1136.2	1136.5	1128.1	1122.6	1111.6	1100.3	1095.2	1089.7	1087.4	1089.7
5°	1143.6	1140.7	1132.3	1106.5	1079.0	1043.5	1010.2	985.1	953.4	944.7	953.7
7.5°	1152.6	1146.8	1122.3	1069.7	1008.6	940.8	864.6	809.1	763.6	734.2	744.9
10°	1165.9	1154.9	1105.5	1016.1	906.9	786.8	678.7	594.4	534.7	510.1	509.2
12.5°	1188.1	1167.5	1084.8	946.3	782.6	622.5	480.7	389.4	340.9	309.6	309.0
15°	1212.7	1182.3	1058.7	862.7	638.0	445.9	309.6	240.2	208.9	198.9	197.6
17.5°	1242.7	1199.4	1024.8	759.7	486.6	295.4	202.1	182.1	180.8	179.8	179.8
20°	1280.5	1219.8	981.2	641.9	345.1	197.3	171.8	173.1	173.7	172.4	172.7
22.5°	1324.4	1240.5	929.2	515.3	233.4	165.0	164.3	166.0	166.6	166.0	166.3
25°	1375.4	1264.3	865.9	382.6	168.5	156.6	158.2	160.5	162.1	162.1	162.1
27.5°	1438.7	1293.4	789.7	267.0	145.6	147.9	152.4	156.6	158.9	159.5	159.5
30°	1521.0	1329.6	698.4	183.1	132.4	136.2	144.6	152.7	156.9	157.6	157.9
32.5°	1625.0	1370.2	592.5	135.3	121.1	124.0	133.0	146.6	154.7	155.9	155.9
35°	1744.1	1417.4	478.5	117.8	113.0	114.0	121.1	136.6	150.8	154.3	154.7
37.5°	1874.6	1463.9	363.9	110.1	106.2	106.2	111.4	124.6	141.4	152.4	153.7
40°	1996.3	1492.0	255.1	104.0	100.1	100.1	104.6	114.3	130.1	146.6	150.1
42.5°	2108.6	1501.7	177.6	98.2	94.3	95.2	99.1	106.9	118.8	135.3	138.5
45°	2224.2	1500.0	129.5	91.4	88.5	91.4	94.3	100.1	108.8	118.2	118.8
47.5°	2311.4	1486.5	102.7	84.9	83.0	86.9	89.4	93.3	98.2	97.5	97.5
50°	2393.1	1453.5	82.7	76.2	77.5	82.0	83.3	84.6	84.9	78.8	78.1
52.5°	2455.1	1402.2	66.2	66.8	72.0	76.5	75.2	73.3	70.1	62.6	61.3
55°	2475.7	1303.4	52.0	55.2	63.9	69.7	64.9	60.7	54.6	48.4	47.1
57.5°	2438.3	1175.9	42.3	42.9	53.9	58.8	53.3	48.4	41.6	36.5	35.5
60°	2358.9	1034.1	34.9	32.3	41.6	45.8	42.3	37.5	31.3	27.4	27.1
62.5°	2201.3	883.0	28.7	25.2	31.6	35.2	32.9	29.4	24.2	21.6	21.3
65°	1870.0	706.4	23.2	20.3	24.5	27.4	25.5	22.9	19.0	17.1	16.8
67.5°	1305.4	477.5	19.0	16.8	19.4	21.6	20.0	18.7	15.2	14.9	15.2
70°	629.6	230.2	15.8	13.6	15.2	16.8	16.1	15.2	14.5	16.8	19.4
72.5°	180.5	77.2	12.6	11.3	12.3	13.2	13.9	13.6	15.8	20.3	23.6
73°	*138.8*	*62.3*	*11.9*	*10.7*	*11.6*	*12.9*	*13.6*	*13.2*	*16.1*	*20.7*	*23.6*
75°	59.4	30.0	9.0	8.7	9.7	11.3	11.9	11.9	16.1	21.0	22.6
77.5°	26.8	16.1	5.8	6.8	8.4	9.0	10.0	10.0	12.9	16.1	16.1
80°	15.2	8.7	4.5	5.2	6.1	6.1	6.1	5.5	5.8	6.5	7.1
82.5°	9.7	5.8	3.6	4.2	3.9	3.2	2.6	2.6	2.3	2.6	3.2
85°	5.5	3.2	3.2	2.6	1.6	1.3	1.6	1.3	0.3	0.0	0.3
87.5°	3.2	1.9	1.0	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

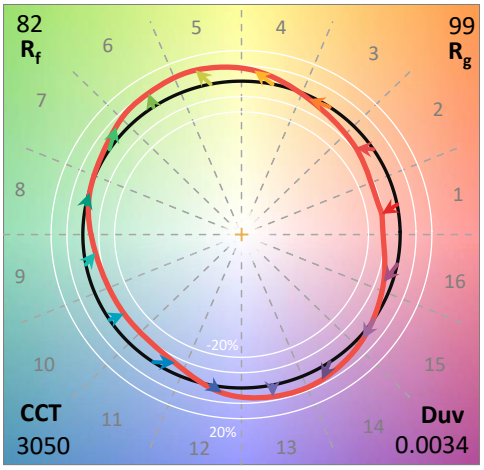
Test Information

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

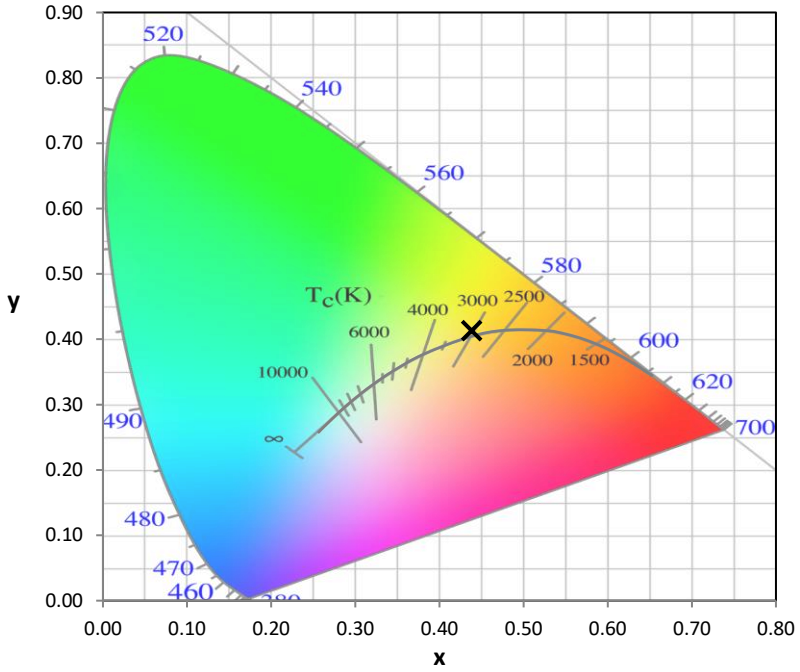
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

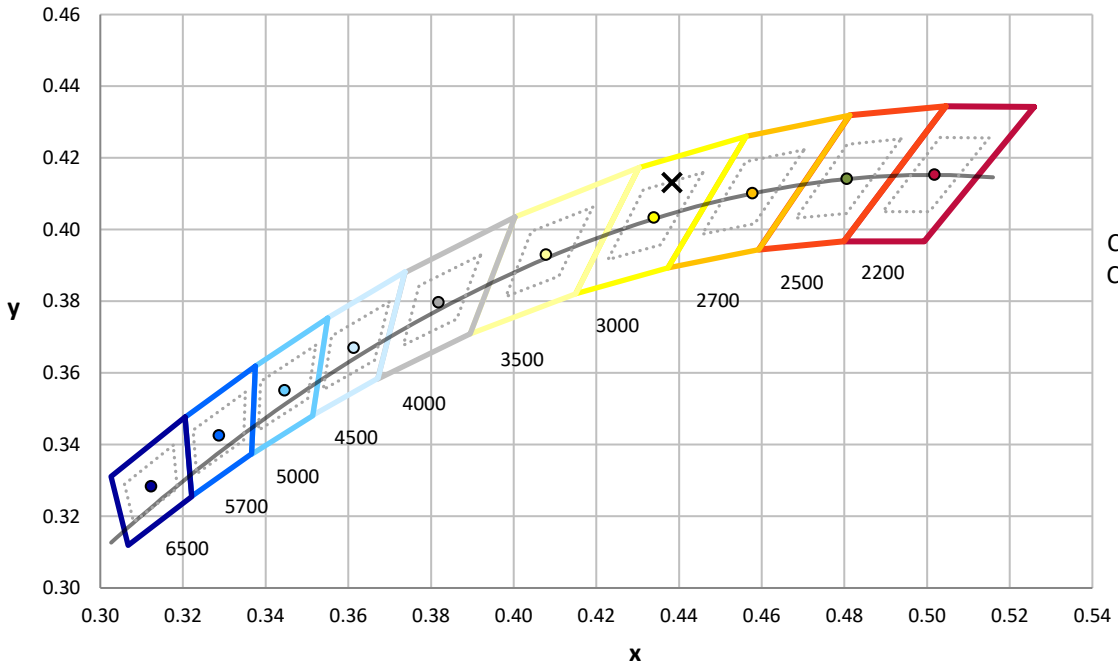
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

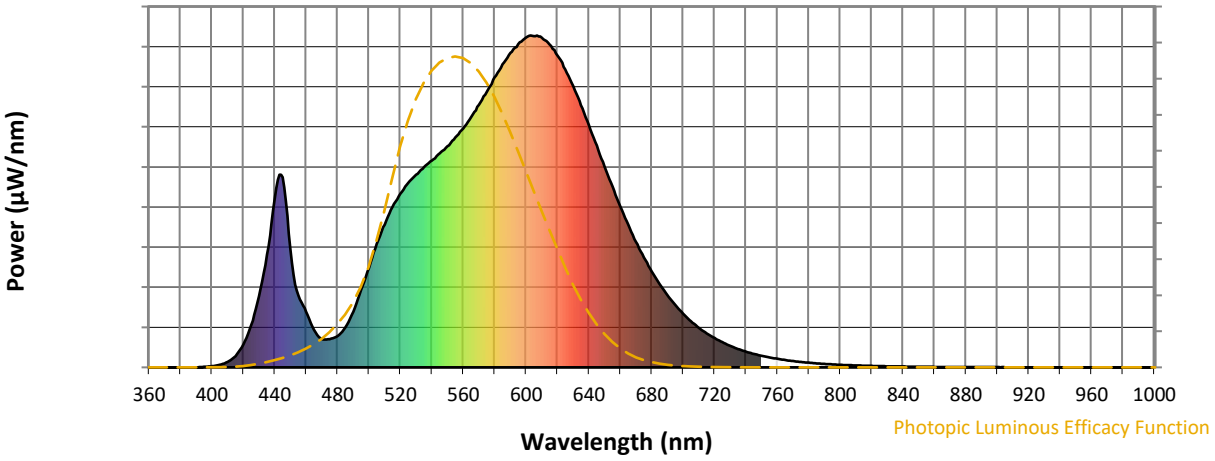


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

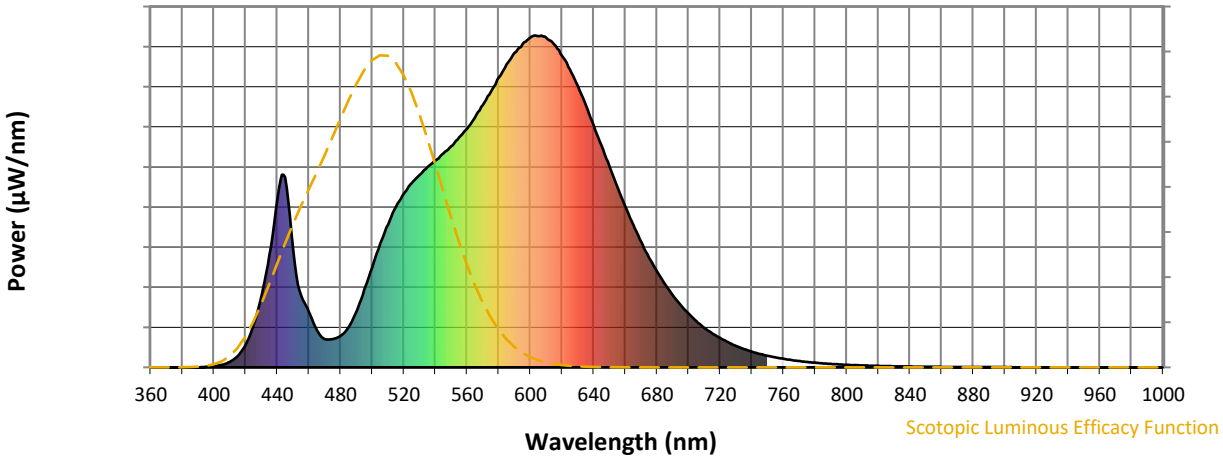


Photopic Lumens: NR

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

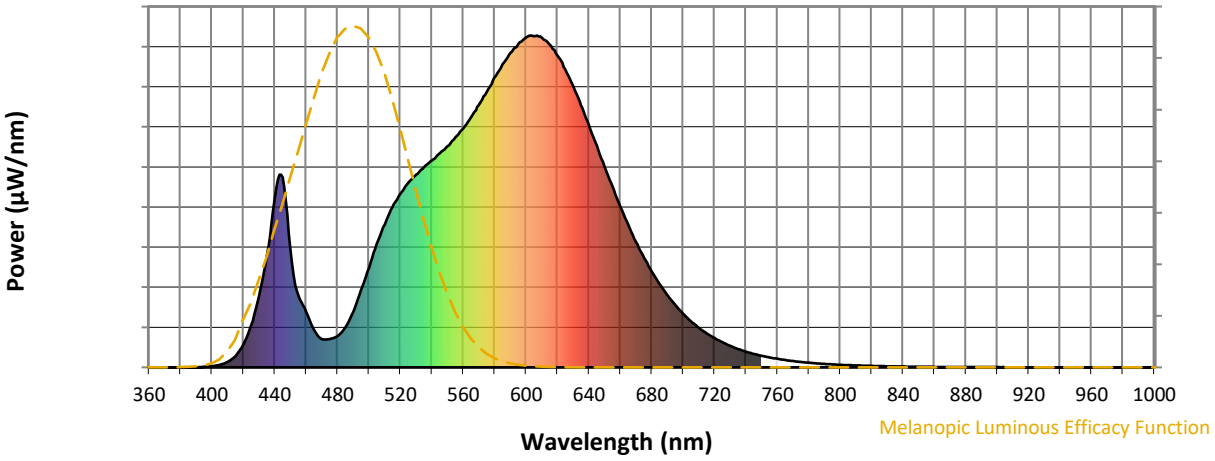


Scotopic Lumens: NR **S/P: 1.27**

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			

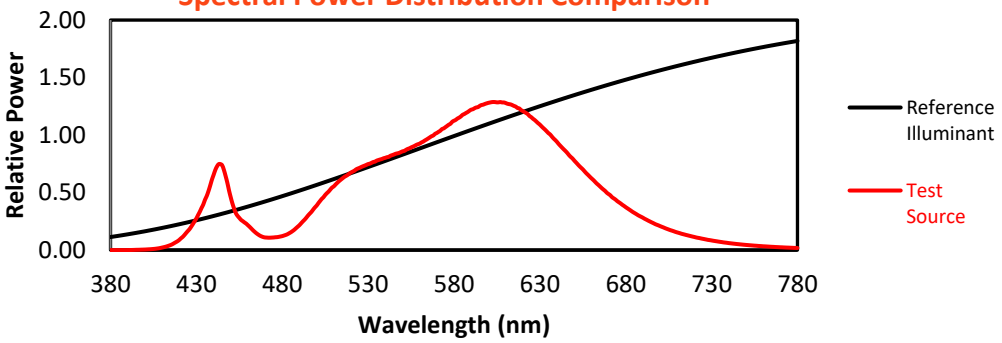
REPORT NUMBER: SP1-2408-195-9

TM-30-18

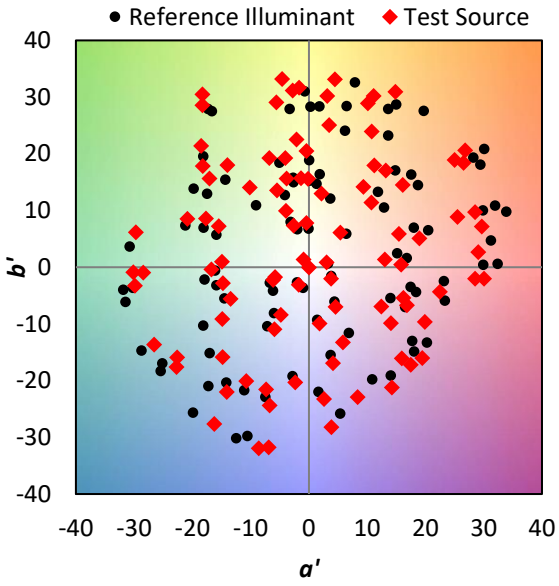
Summary

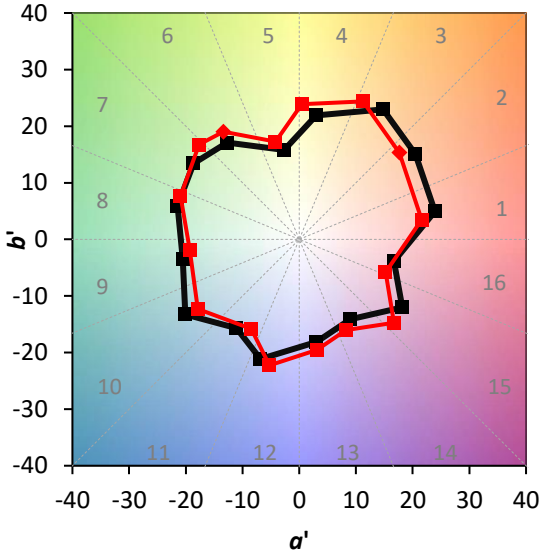
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

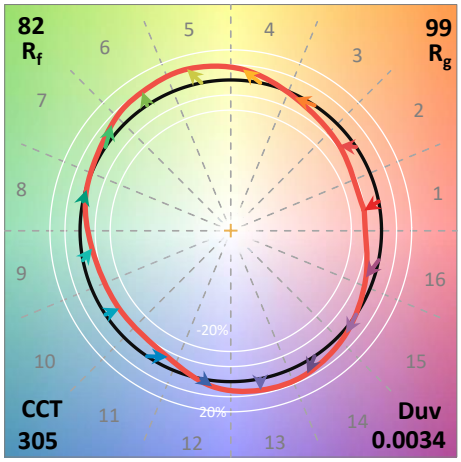
Spectral Power Distribution Comparison

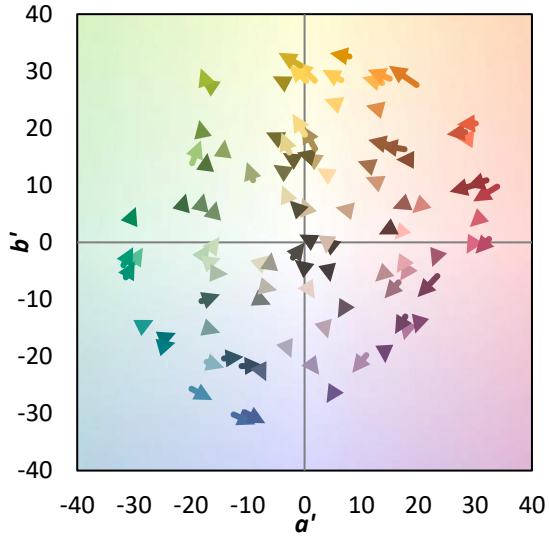


Color Vector Graphics







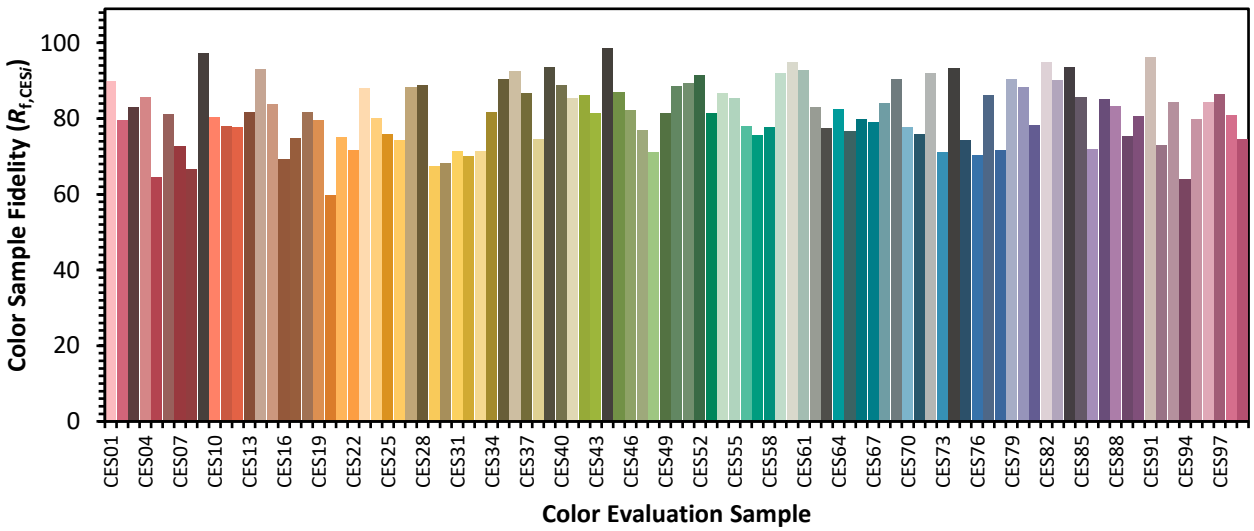


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

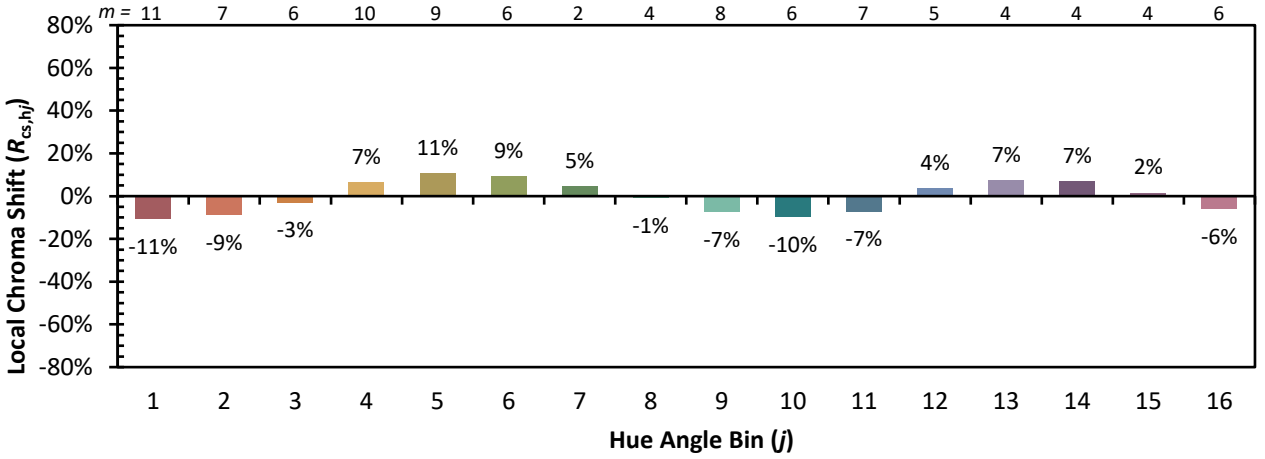
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

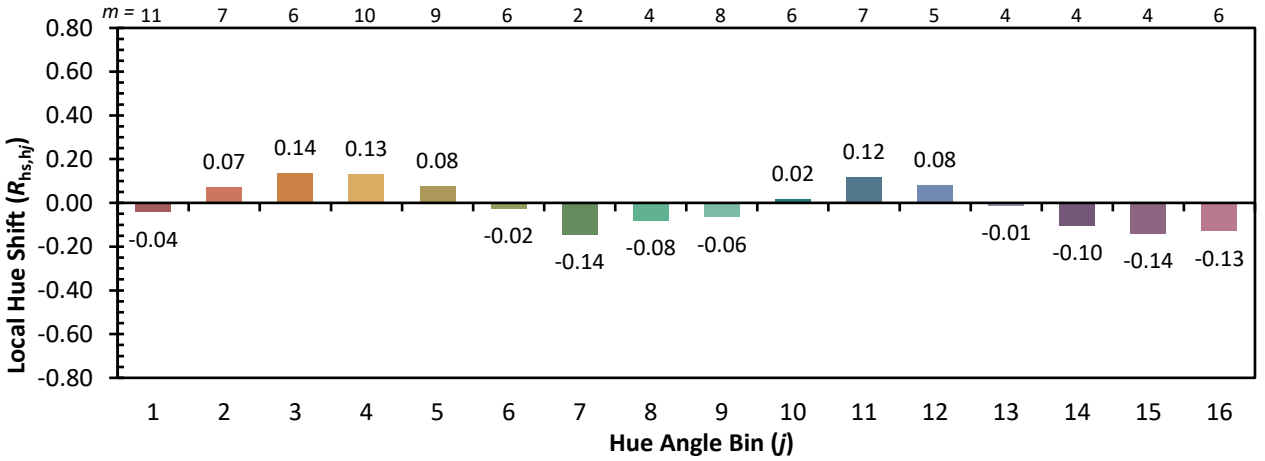


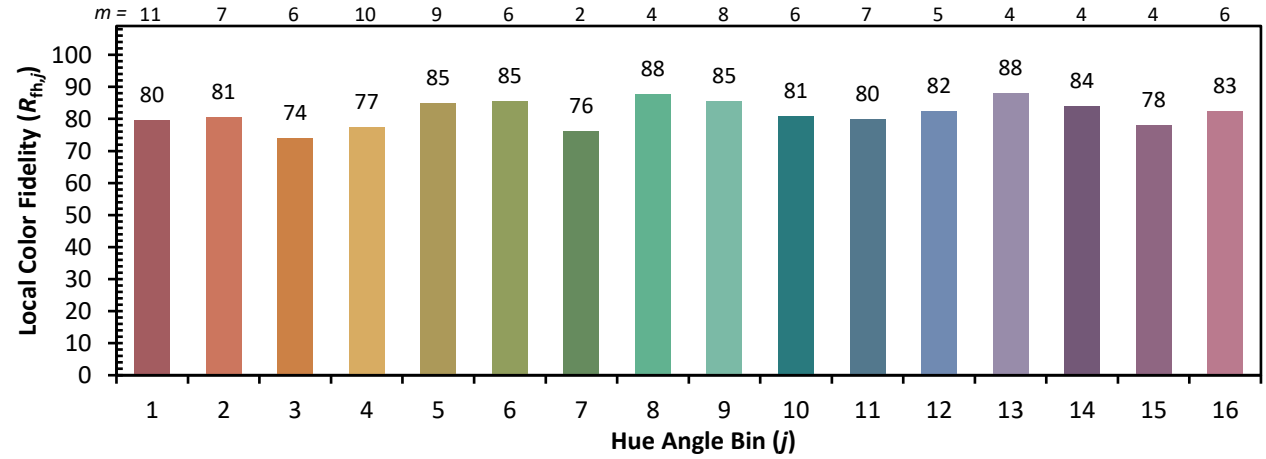
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



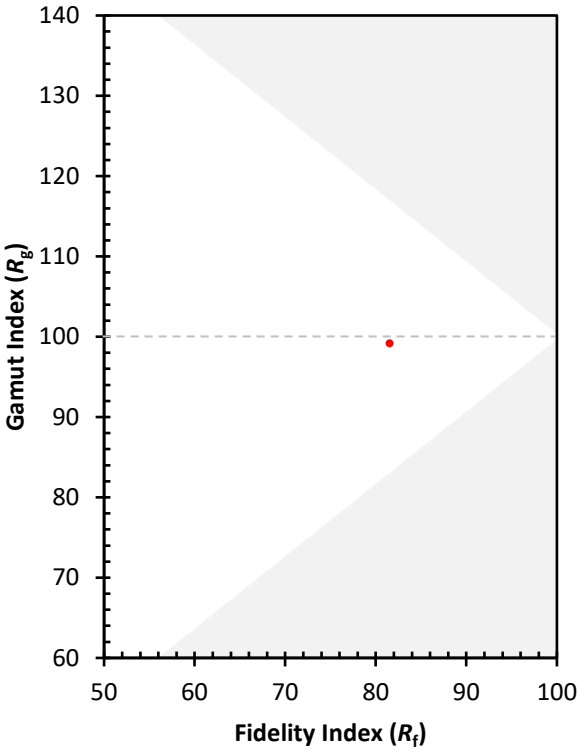


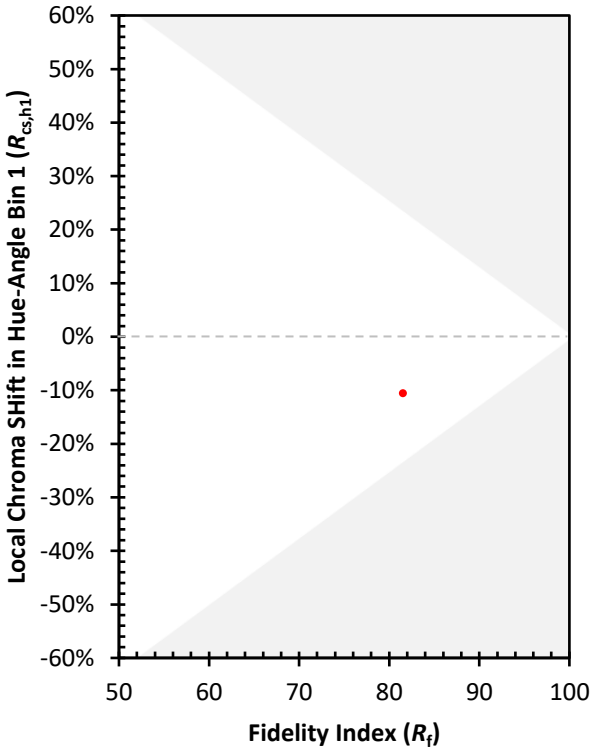


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)