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: P385827

Luminaire Tested: **GPC-SA1B-830-U-SL3**

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:	P385827
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1B-830-U-SL3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4851 lumens
Efficiency:	N/A
Efficacy:	110.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

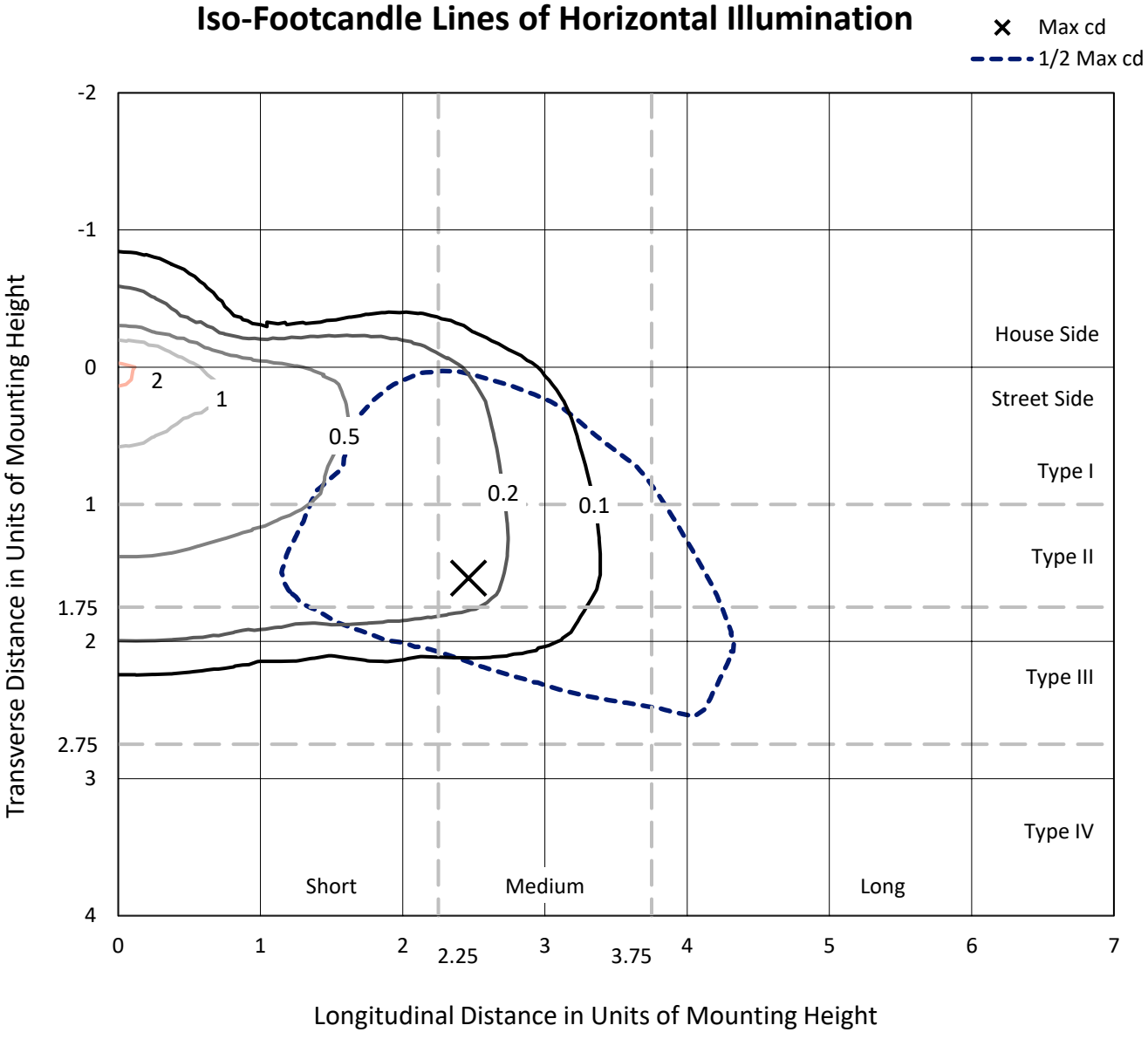
Input Watts (W):	44
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P385827
CATALOG NUMBER: GPC-SA1B-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



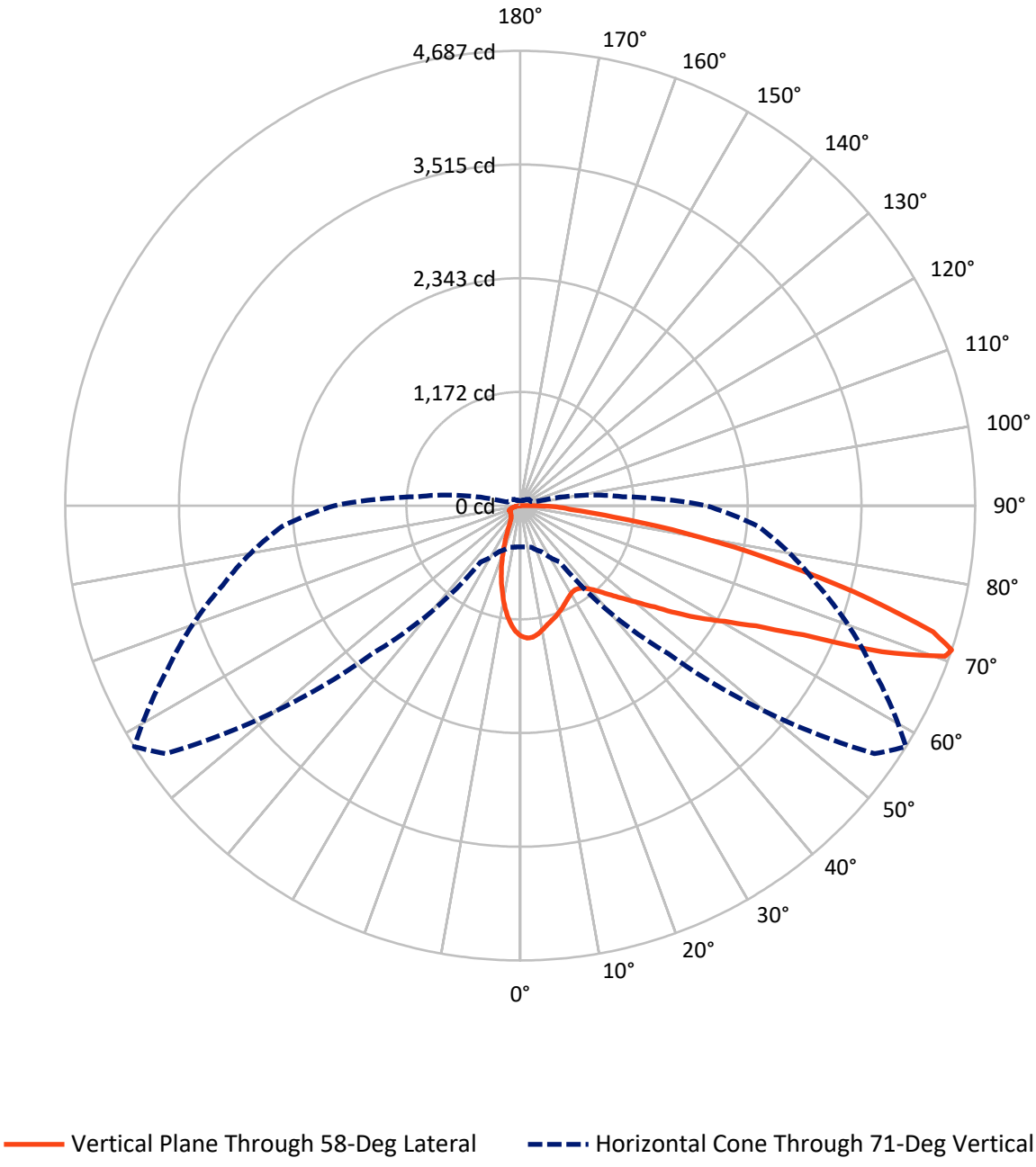
Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P385827
CATALOG NUMBER: GPC-SA1B-830-U-SL3

Luminous Intensity Polar Plot



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

Scaled Data Report

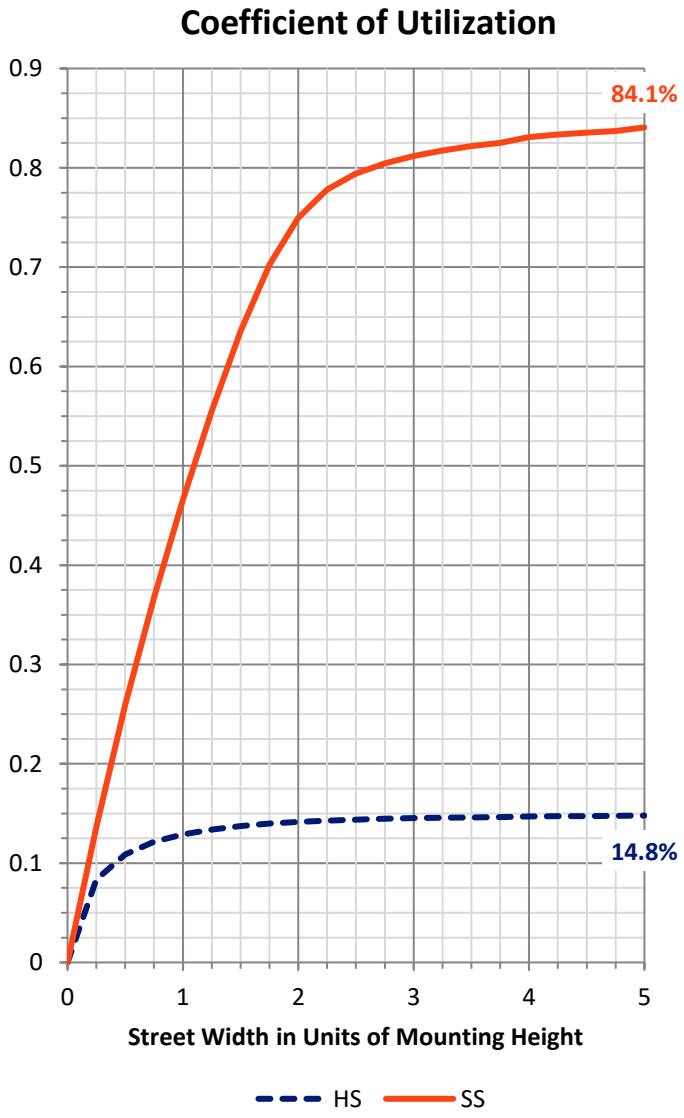
REPORT NUMBER: P385827
CATALOG NUMBER: GPC-SA1B-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	725.3	0.0	725.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	4125.7	0.0	4125.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	4851.0	0.0	4851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	2.4
10°-20°	257.8	5.3
20°-30°	327.7	6.8
30°-40°	417.4	8.6
40°-50°	591.9	12.2
50°-60°	916.0	18.9
60°-70°	1247.0	25.7
70°-80°	831.9	17.1
80°-90°	145.4	3.0
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°	4851.0	100.0
0°-180°	4851.0	100.0



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

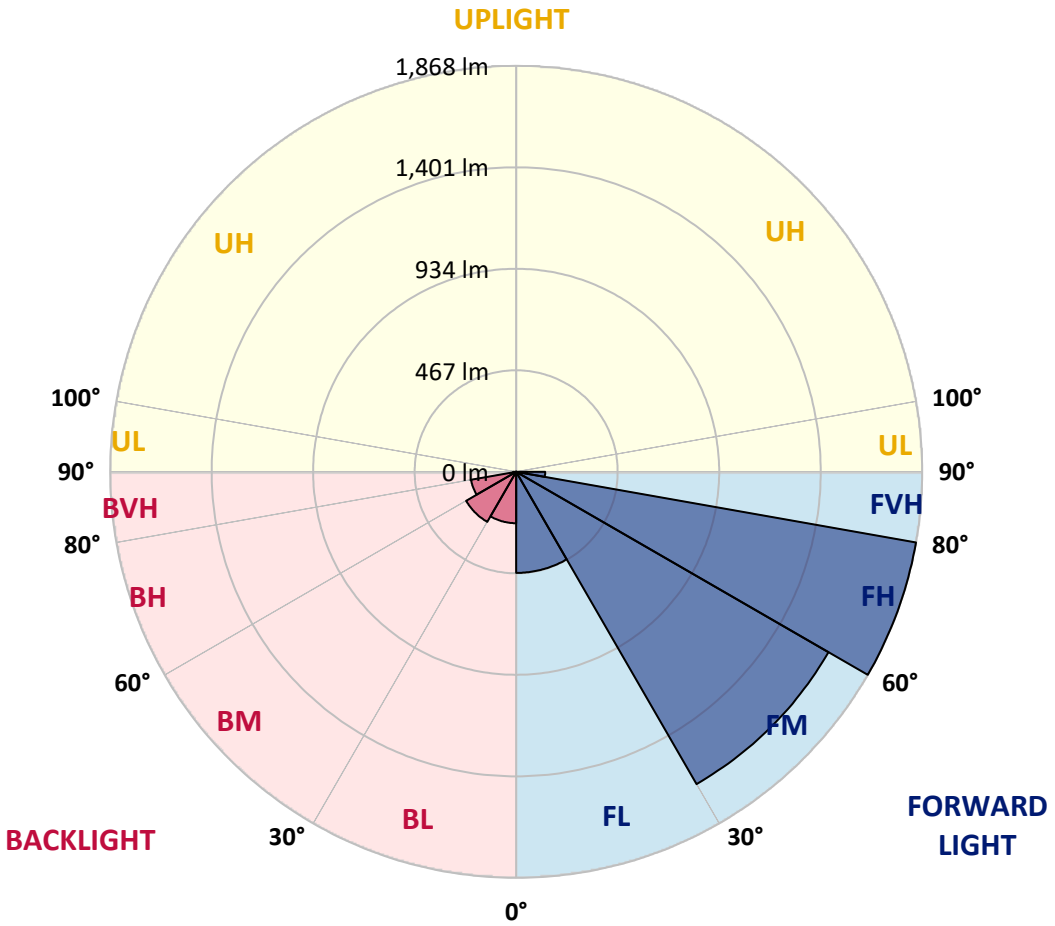
Scaled Data Report

REPORT NUMBER: P385827
CATALOG NUMBER: GPC-SA1B-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	465.0	9.6			
FM	(30°-60°)	1659.3	34.2			
FH	(60°-80°)	1868.1	38.5			G2/5000
FVH	(80°-90°)	133.4	2.7			G2/225
BL	(0°-30°)	236.4	4.9	B1/500		
BM	(30°-60°)	266.0	5.5	B1/1000		
BH	(60°-80°)	210.8	4.3	B1/500		G1/500
BVH	(80°-90°)	12.1	0.2			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 III Medium



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

Scaled Data Report

REPORT NUMBER: P385827
CATALOG NUMBER: GPC-SA1B-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	*1344.1*	1344.1	1344.1	1344.1
2.5°	1379.7	1377.8	1378.5	1377.2	1374.0	1370.7	1366.0	*1366.9*	1360.3	1350.5	1338.3
5°	1353.7	1353.0	1358.1	1360.9	1363.3	1361.5	1360.1	*1361.8*	1352.2	1338.6	1317.5
7.5°	1299.1	1291.7	1298.1	1307.7	1316.8	1323.8	1332.9	*1334.1*	1328.0	1313.8	1286.1
10°	1221.5	1214.4	1223.9	1238.9	1257.2	1273.8	1292.2	*1295.6*	1296.7	1283.9	1250.3
12.5°	1141.1	1135.7	1145.2	1166.3	1196.5	1222.0	1251.5	*1256.5*	1267.0	1258.4	1217.1
15°	1069.1	1067.1	1078.6	1099.4	1134.2	1173.2	1215.6	*1224.9*	1242.7	1239.8	1191.3
17.5°	1006.9	1006.4	1015.2	1037.0	1075.5	1124.9	1180.0	*1195.7*	1222.0	1225.4	1170.0
20°	960.6	959.6	965.7	981.8	1021.5	1077.4	1141.4	*1163.1*	1201.1	1212.9	1148.0
22.5°	935.8	935.6	935.8	943.4	975.8	1027.9	1103.9	*1130.3*	1180.6	1203.0	1123.7
25°	931.6	931.1	927.4	926.5	944.9	986.5	1066.8	*1095.8*	1161.2	1196.0	1100.6
27.5°	942.6	943.2	938.3	930.4	934.1	959.3	1034.5	*1065.6*	1145.7	1194.7	1084.5
30°	965.4	965.0	960.8	952.5	945.3	949.1	1011.5	*1042.6*	1135.2	1200.6	1073.5
32.5°	990.5	992.4	991.6	987.0	976.2	960.6	1004.6	*1035.0*	1132.2	1214.8	1068.8
35°	1020.8	1022.8	1028.9	1032.5	1019.8	994.8	1019.4	*1045.8*	1140.9	1241.5	1076.4
37.5°	1049.5	1054.8	1071.8	1086.9	1076.1	1048.2	1059.0	*1077.7*	1168.1	1283.6	1096.8
40°	1082.6	1087.2	1115.1	1147.0	1145.3	1116.4	1122.7	*1135.2*	1216.1	1343.9	1133.8
42.5°	1115.3	1124.4	1164.8	1210.1	1223.1	1197.5	1207.5	*1214.1*	1283.7	1423.8	1198.4
45°	1158.7	1168.5	1224.6	1279.2	1309.6	1295.2	1311.1	*1313.6*	1368.7	1532.6	1292.2
47.5°	1224.4	1235.6	1301.0	1358.2	1404.7	1406.2	1432.4	*1431.4*	1474.8	1657.2	1410.3
50°	1326.8	1342.9	1396.4	1450.0	1506.4	1537.9	1572.8	*1567.9*	1602.1	1789.8	1546.3
52.5°	1461.0	1468.4	1508.1	1547.7	1617.8	1688.3	1738.4	*1734.1*	1746.4	1926.2	1700.8
55°	1600.1	1605.6	1622.0	1643.6	1737.9	1852.8	1959.0	*1952.0*	1920.8	2067.8	1853.4
57.5°	1725.1	1736.4	1747.7	1756.7	1858.9	2024.9	2184.5	*2185.1*	2110.0	2220.5	2011.0
60°	1744.5	1754.5	1829.4	1900.0	2065.9	2254.3	2426.0	*2420.9*	2305.9	2386.3	2186.7
62.5°	1542.1	1564.6	1689.6	1877.5	2265.3	2674.1	2734.1	*2727.8*	2540.1	2590.6	2391.4
65°	1105.1	1130.6	1281.5	1563.9	2168.7	3136.6	3290.0	*3205.9*	2859.4	2841.9	2631.0
67.5°	637.6	643.6	709.0	935.8	1651.3	3160.7	4138.1	*4020.3*	3355.4	3126.9	2748.3
70°	471.4	471.3	486.8	575.9	893.6	2579.6	4541.5	*4647.1*	3877.5	3220.7	2582.5
71°	*426.3*	*426.8*	*444.2*	*524.2*	*707.7*	*2159.2*	*4455.8*	*4686.9*	*4015.1*	*3174.4*	*2462.5*
72.5°	364.7	366.3	390.5	470.1	595.3	1489.0	4086.7	*4447.7*	4080.3	3060.2	2274.8
75°	276.6	280.5	314.0	396.3	544.1	755.2	2999.4	*3551.6*	3624.7	2700.3	1690.3
77.5°	197.4	201.8	239.6	333.2	517.2	569.1	2008.6	*2590.6*	2667.5	1730.5	762.4
80°	124.7	129.9	158.5	265.1	486.0	540.4	1262.3	*1741.3*	1454.6	553.7	194.0
82.5°	73.2	77.2	98.3	173.2	396.9	520.5	742.7	*965.2*	566.1	167.3	88.2
85°	42.4	44.3	61.3	110.3	288.3	491.2	545.6	*539.5*	245.7	81.8	41.7
87.5°	19.8	22.0	36.3	57.6	160.0	356.0	431.2	*372.6*	152.8	38.4	19.6
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: P385827
CATALOG NUMBER: GPC-SA1B-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1
2.5°	1332.4	1329.5	1317.5	1306.9	1295.7	1281.2	1265.1	1263.1	1253.3	1255.2	1251.8
5°	1306.0	1298.8	1269.9	1243.7	1212.8	1185.0	1155.0	1141.1	1121.2	1119.8	1114.7
7.5°	1268.3	1254.8	1210.1	1160.4	1110.7	1063.4	1016.6	985.8	954.4	941.0	939.9
10°	1225.9	1203.0	1137.1	1063.5	991.9	922.8	855.9	806.4	761.8	740.6	739.8
12.5°	1185.7	1151.8	1061.4	961.3	863.3	773.8	682.0	616.9	561.0	542.3	534.3
15°	1151.6	1103.8	987.7	859.8	740.8	616.4	512.0	443.6	391.9	373.9	370.6
17.5°	1118.5	1057.0	912.1	757.2	613.4	476.7	372.1	321.2	293.7	286.4	286.2
20°	1085.5	1008.8	833.2	652.3	490.2	356.5	286.1	263.3	254.0	253.1	251.8
22.5°	1048.2	957.8	750.3	547.0	382.6	280.3	243.2	234.0	232.9	235.9	235.9
25°	1013.2	907.1	666.1	443.9	297.6	233.9	217.1	215.3	218.5	223.9	224.4
27.5°	980.6	858.2	584.0	352.3	238.4	206.0	199.1	201.3	207.0	213.3	213.4
30°	953.7	812.1	504.2	277.6	201.4	185.2	184.0	188.4	194.7	199.6	200.7
32.5°	932.9	772.7	427.2	223.2	177.3	169.7	170.7	174.4	178.3	181.0	182.8
35°	923.3	738.9	356.0	188.2	161.9	157.7	159.0	161.0	162.7	164.8	166.3
37.5°	925.0	712.7	292.5	166.4	151.6	149.4	149.4	149.4	149.4	150.4	150.6
40°	940.7	697.7	240.8	152.6	144.6	142.3	140.4	138.7	137.4	138.1	137.7
42.5°	980.9	696.4	202.9	143.8	139.1	135.2	131.5	129.1	127.4	128.1	128.4
45°	1049.2	713.3	177.4	137.5	133.8	127.9	123.2	120.7	119.5	121.7	122.0
47.5°	1137.6	750.1	161.9	133.0	128.9	121.2	116.1	113.7	114.1	117.3	118.1
50°	1251.5	809.9	154.4	130.1	125.6	115.4	110.2	108.1	109.2	113.7	114.7
52.5°	1376.5	896.1	155.3	129.3	123.4	111.2	105.6	103.2	104.9	109.2	110.0
55°	1520.8	999.7	169.3	130.5	120.1	108.5	101.9	97.8	99.2	103.1	103.8
57.5°	1681.2	1118.3	197.5	130.1	116.1	105.9	98.0	91.9	92.9	95.3	96.0
60°	1848.1	1261.6	241.3	131.1	114.2	102.9	92.8	85.2	84.8	86.9	87.2
62.5°	2048.5	1427.4	291.3	131.8	115.4	99.0	85.8	78.4	77.4	77.9	78.2
65°	2255.0	1547.3	272.6	129.1	119.1	95.8	79.8	71.8	70.0	69.6	69.8
67.5°	2261.4	1418.7	191.1	123.7	120.7	94.1	75.2	66.2	63.2	62.0	61.8
70°	2028.1	1152.6	148.9	117.9	114.6	91.4	71.0	61.7	57.1	55.3	55.1
71°	*1914.2*	*1061.0*	*141.1*	*115.1*	*110.0*	*88.7*	*69.1*	*59.6*	*54.9*	*52.9*	*52.6*
72.5°	1735.6	951.2	131.6	110.5	101.2	81.8	65.6	56.8	51.9	49.5	49.0
75°	1245.5	622.0	113.0	98.5	83.8	65.2	57.5	51.0	46.8	43.9	43.6
77.5°	479.9	247.6	85.5	82.0	64.2	51.0	47.3	44.1	41.1	38.2	38.0
80°	148.4	110.7	62.4	61.7	46.5	38.0	36.8	36.0	34.8	31.8	31.1
82.5°	79.3	63.5	42.9	39.9	30.4	25.3	26.7	27.0	27.2	24.0	23.7
85°	37.9	33.6	24.2	22.6	17.7	14.2	16.4	17.7	17.9	14.7	13.7
87.5°	18.1	17.6	11.3	8.6	6.6	4.7	5.7	7.1	7.8	5.6	4.9
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

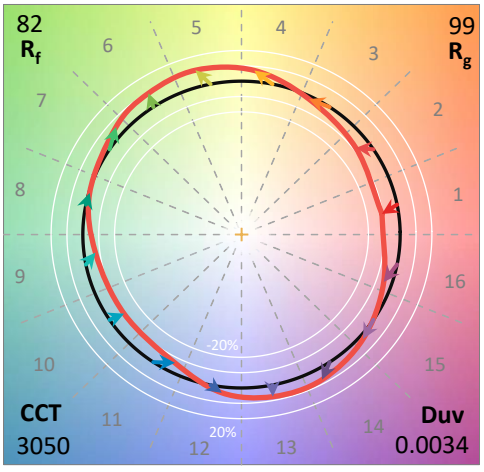
Test Information

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

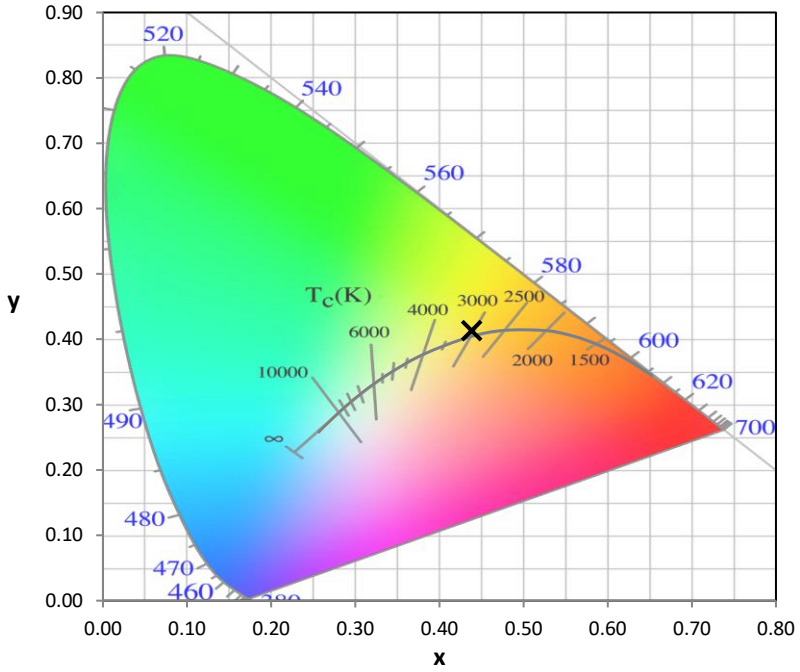
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

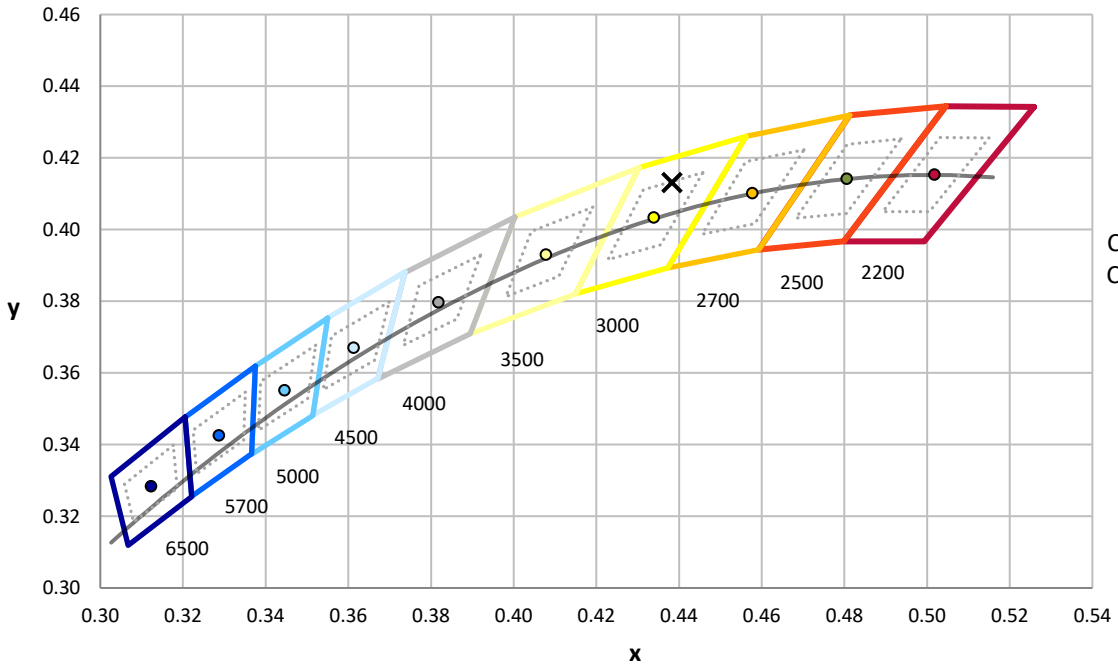
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

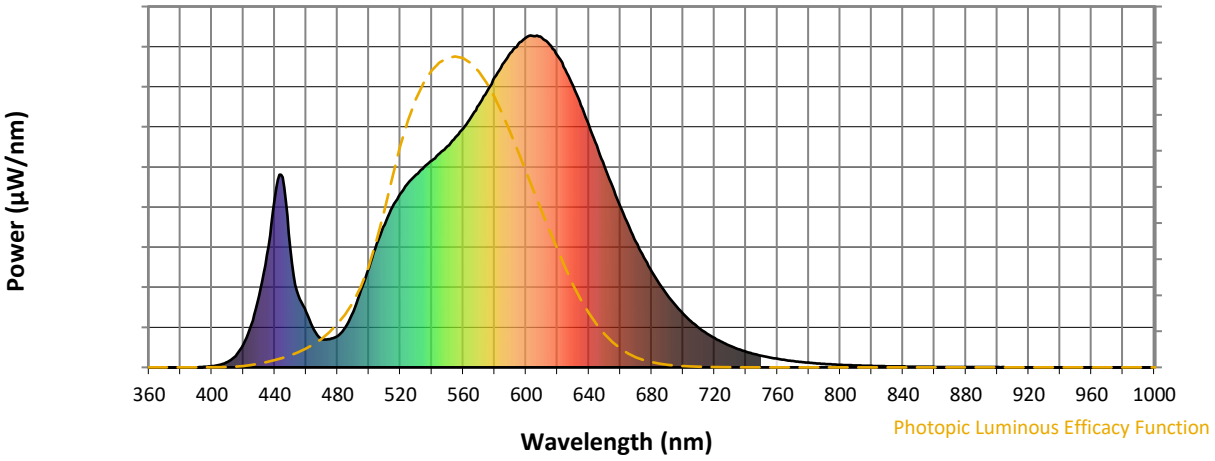


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

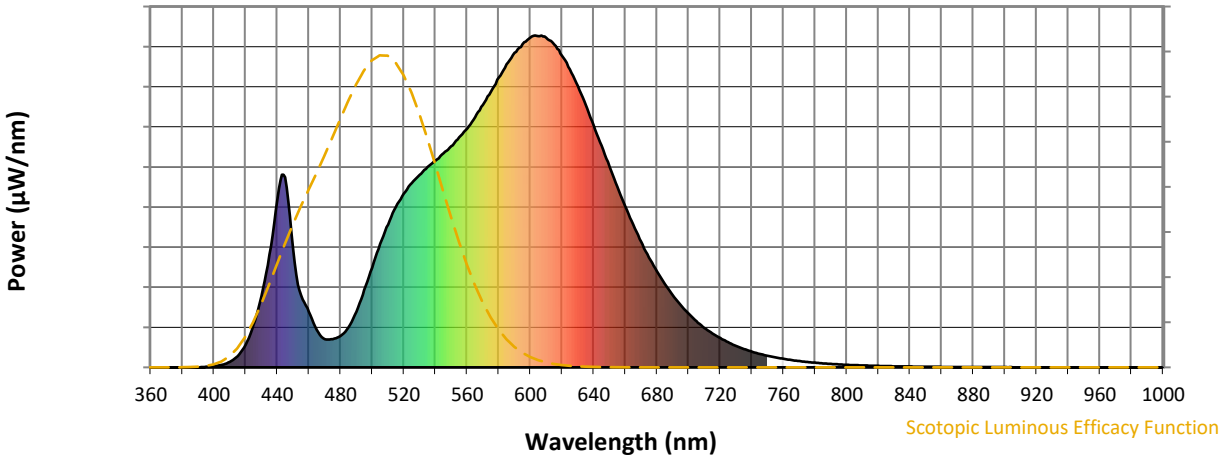


Photopic Lumens: NR

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

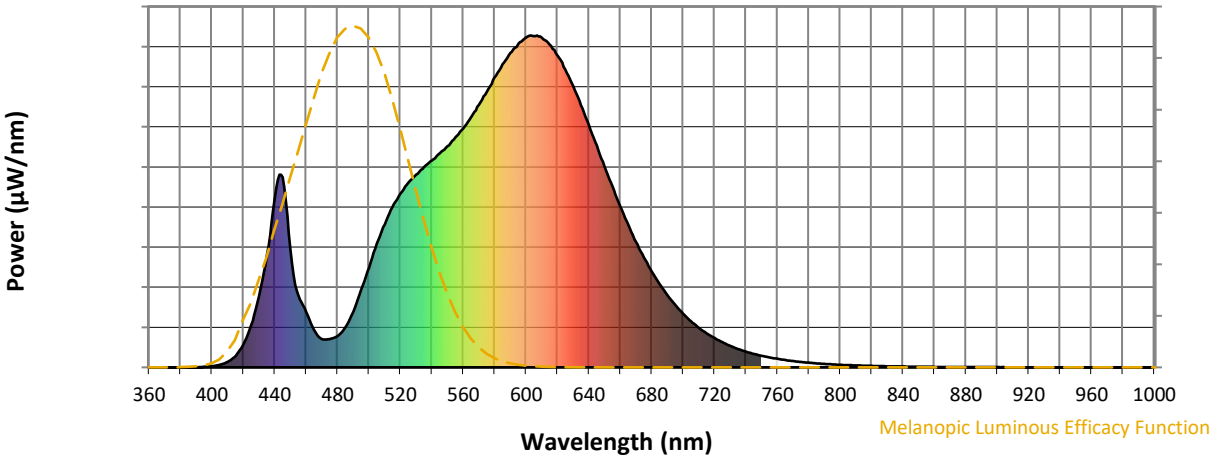


Scotopic Lumens: NR **S/P: 1.27**

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			

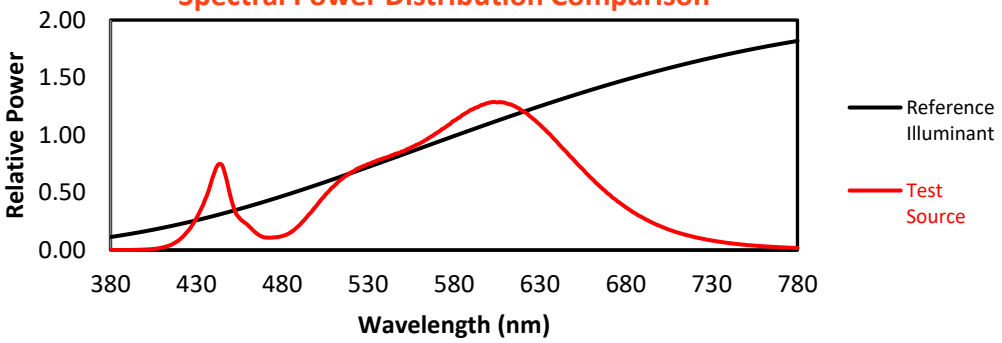
REPORT NUMBER: SP1-2408-195-9

TM-30-18

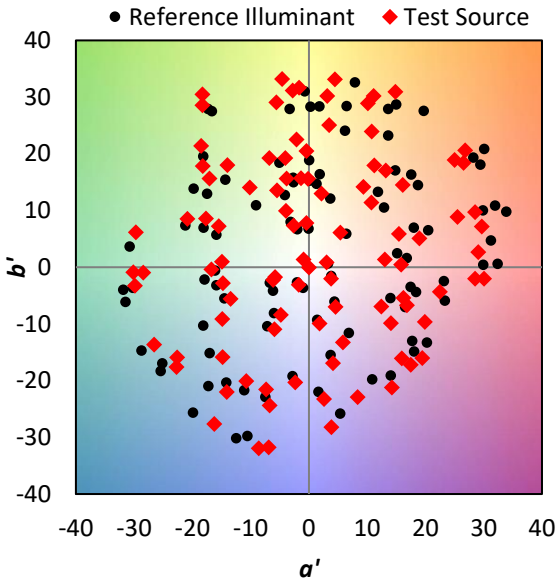
Summary

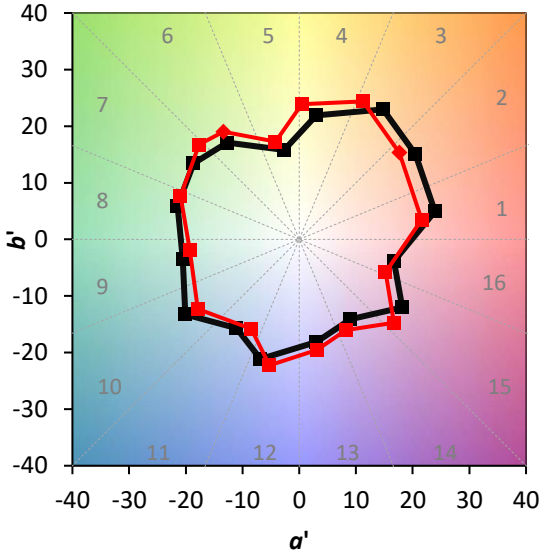
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

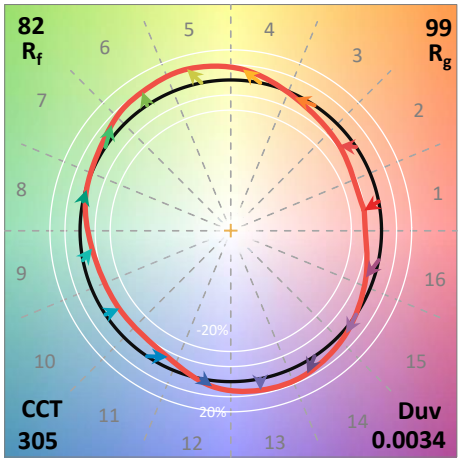
Spectral Power Distribution Comparison

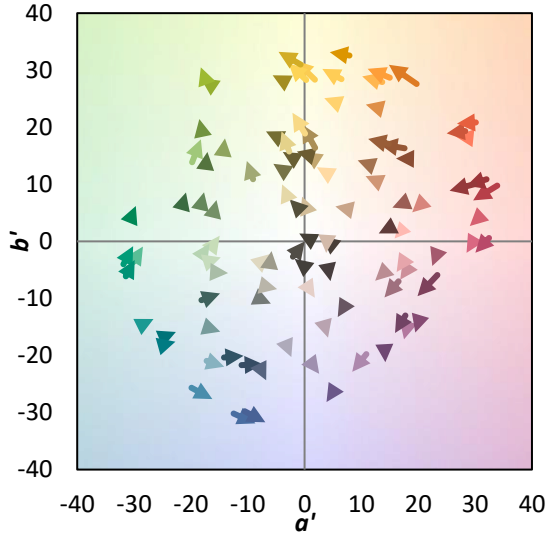


Color Vector Graphics







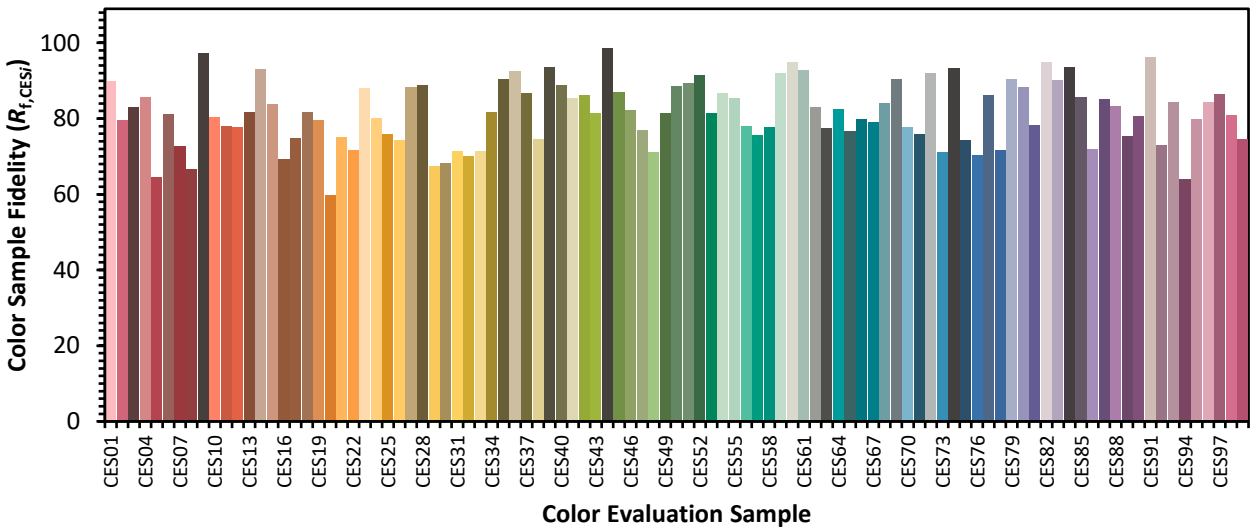


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

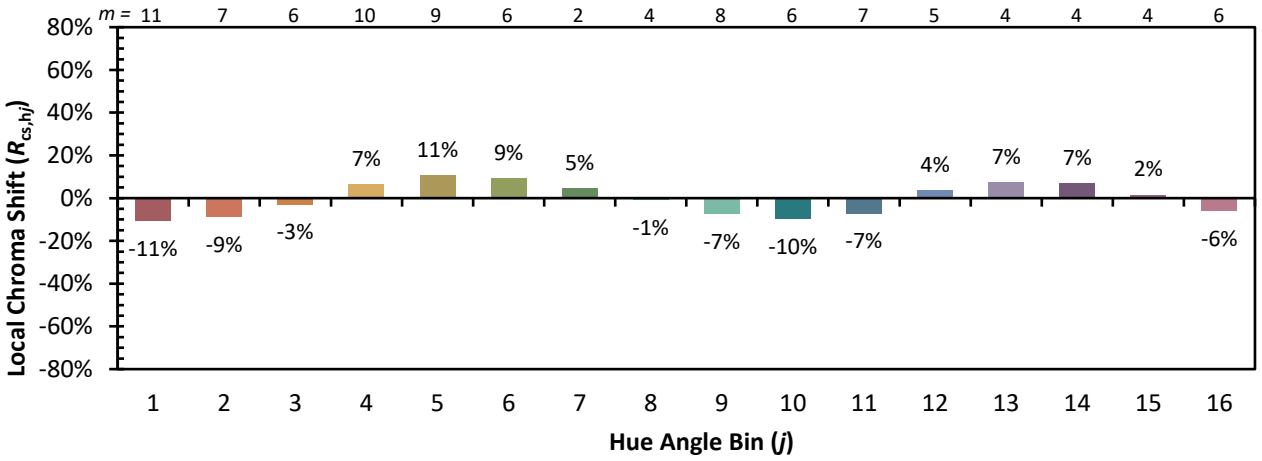
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

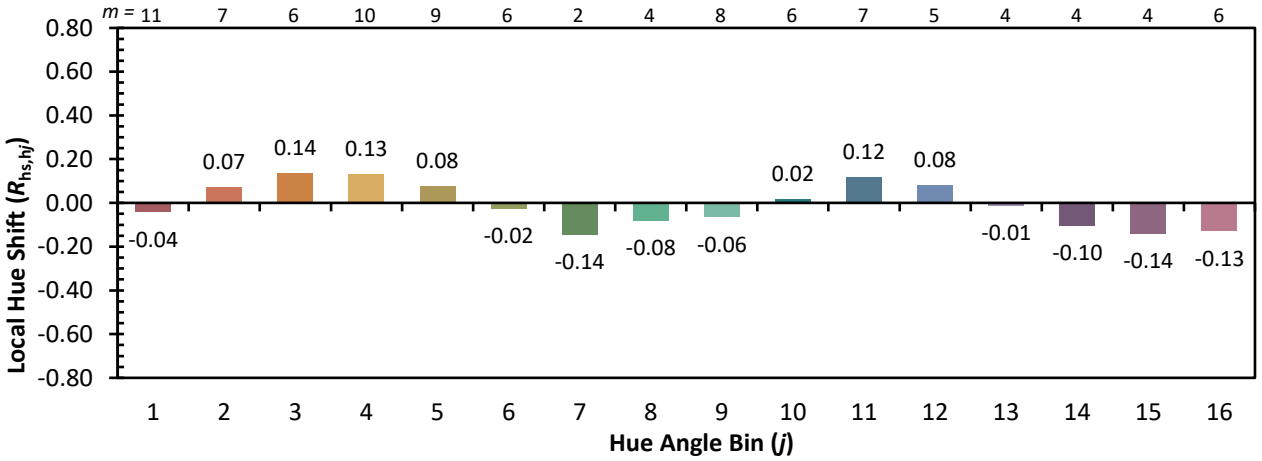


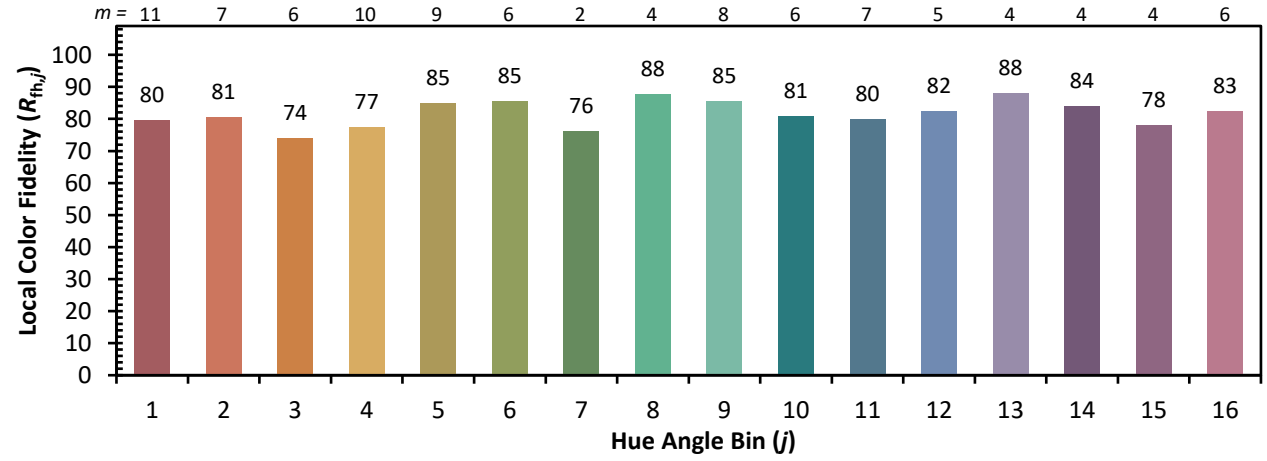
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



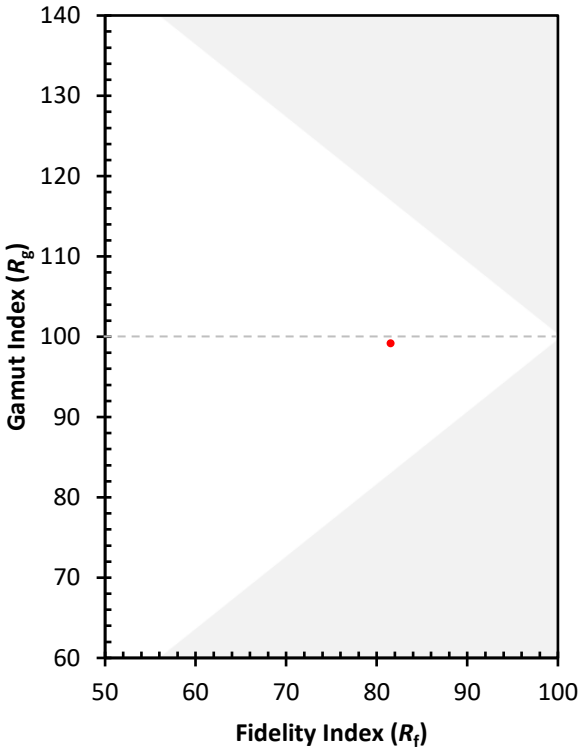


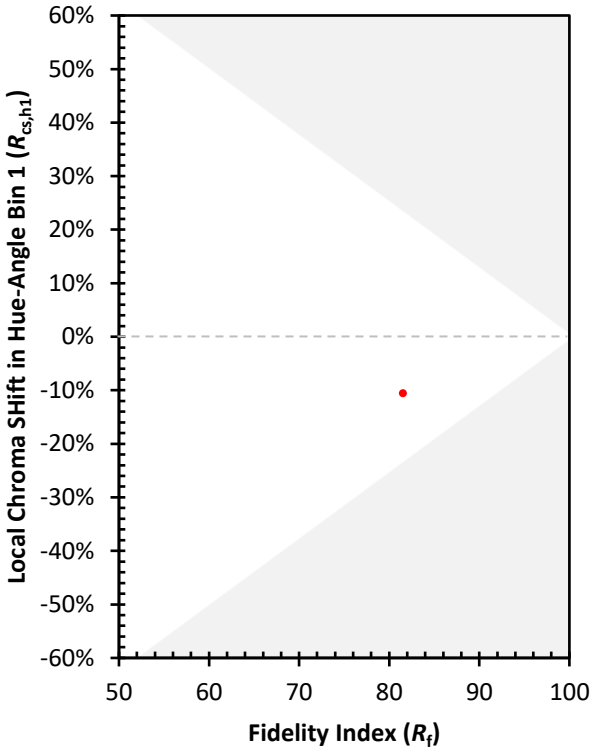


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)