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: P386048

Luminaire Tested: **GPC-SA1C-830-U-SL2-HSS**

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:	P386048
	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:	GPC-SA1C-830-U-SL2-HSS
Description:	GALLEON PEDESTRIAN 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:	4971 lumens
Efficiency:	N/A
Efficacy:	85.7 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

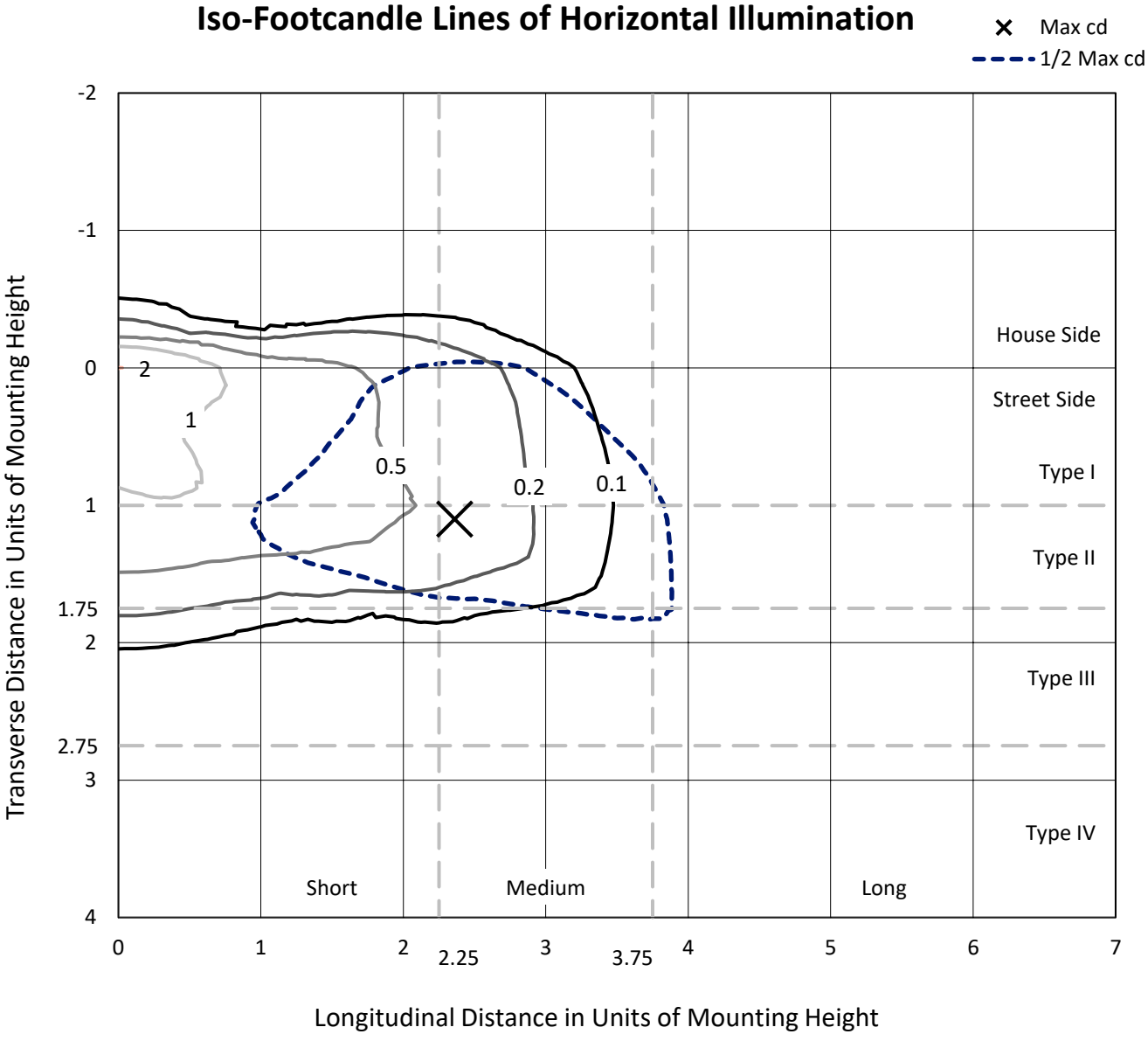
Input Watts (W):	58
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P386048
CATALOG NUMBER: GPC-SA1C-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



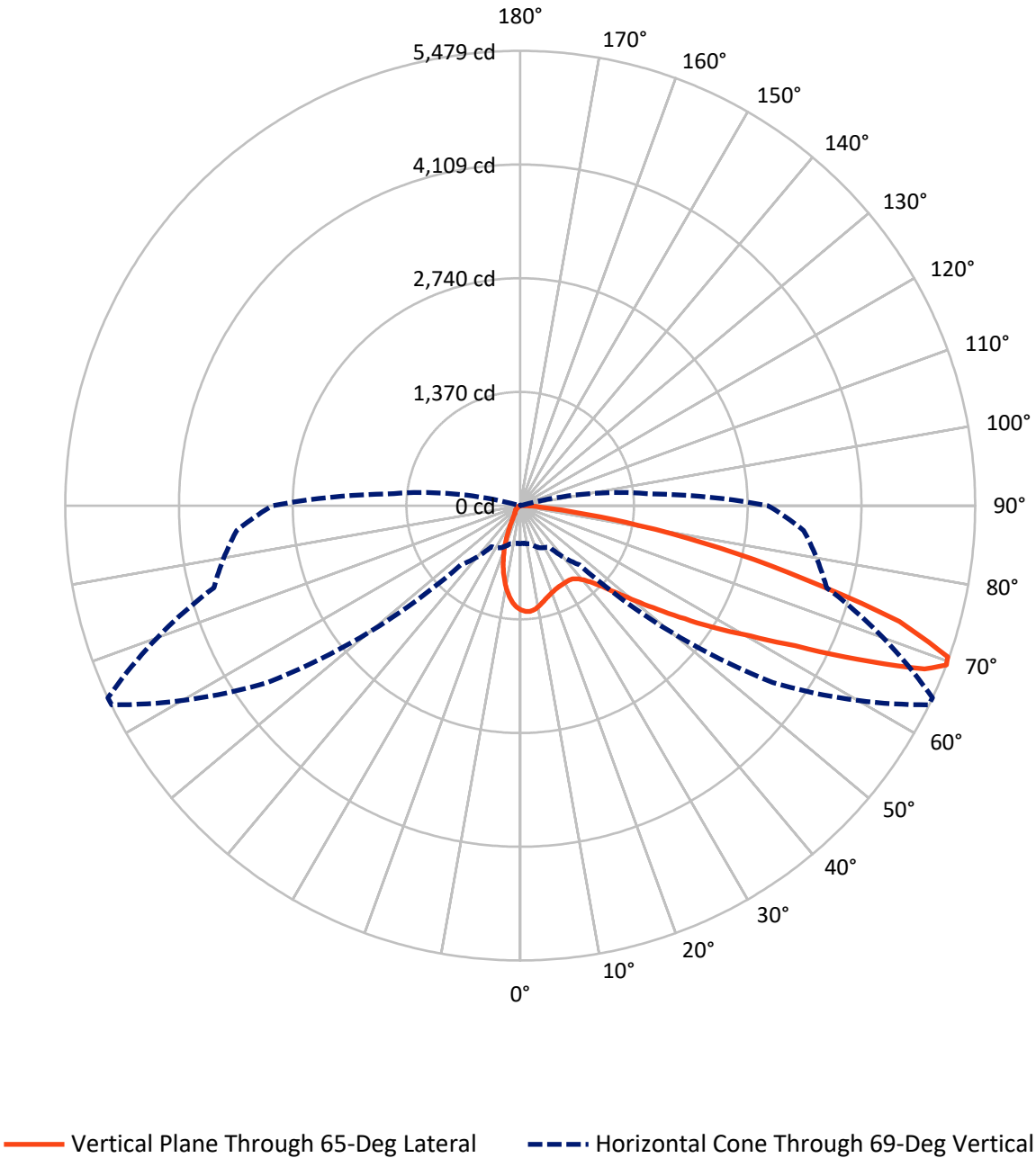
Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P386048
CATALOG NUMBER: GPC-SA1C-830-U-SL2-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

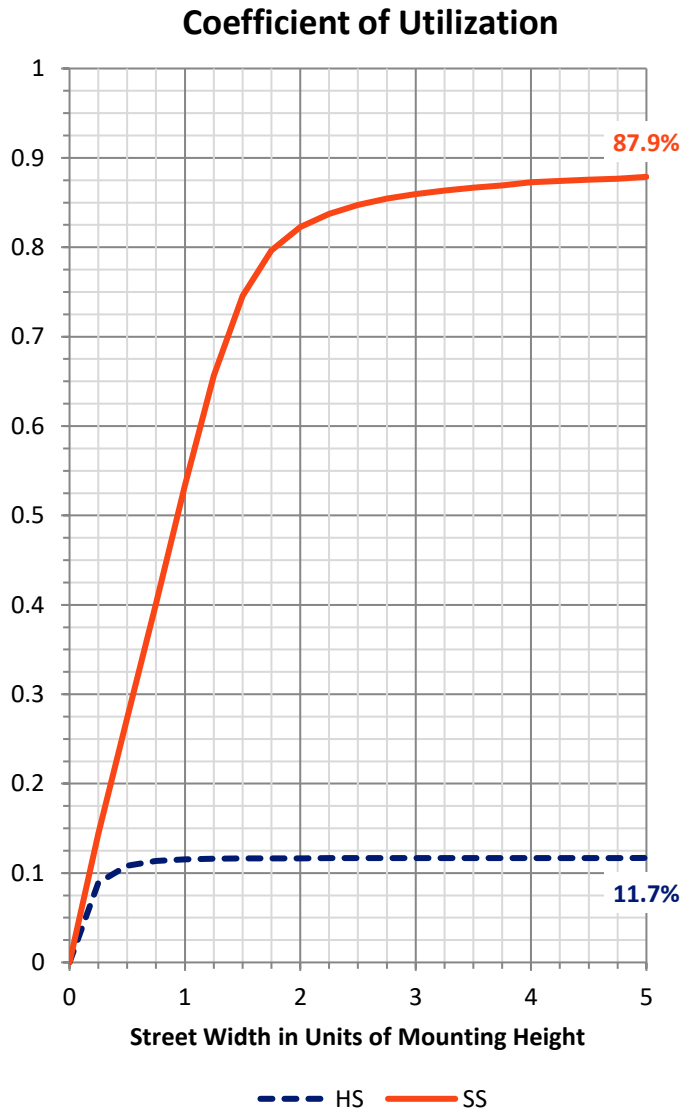
REPORT NUMBER: P386048
CATALOG NUMBER: GPC-SA1C-830-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	586.0	0.0	586.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4385.0	0.0	4385.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	4971.0	0.0	4971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	2.1
10°-20°	229.9	4.6
20°-30°	318.5	6.4
30°-40°	444.1	8.9
40°-50°	690.2	13.9
50°-60°	1108.1	22.3
60°-70°	1253.4	25.2
70°-80°	736.1	14.8
80°-90°	85.6	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°	4971.0	100.0
0°-180°	4971.0	100.0



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

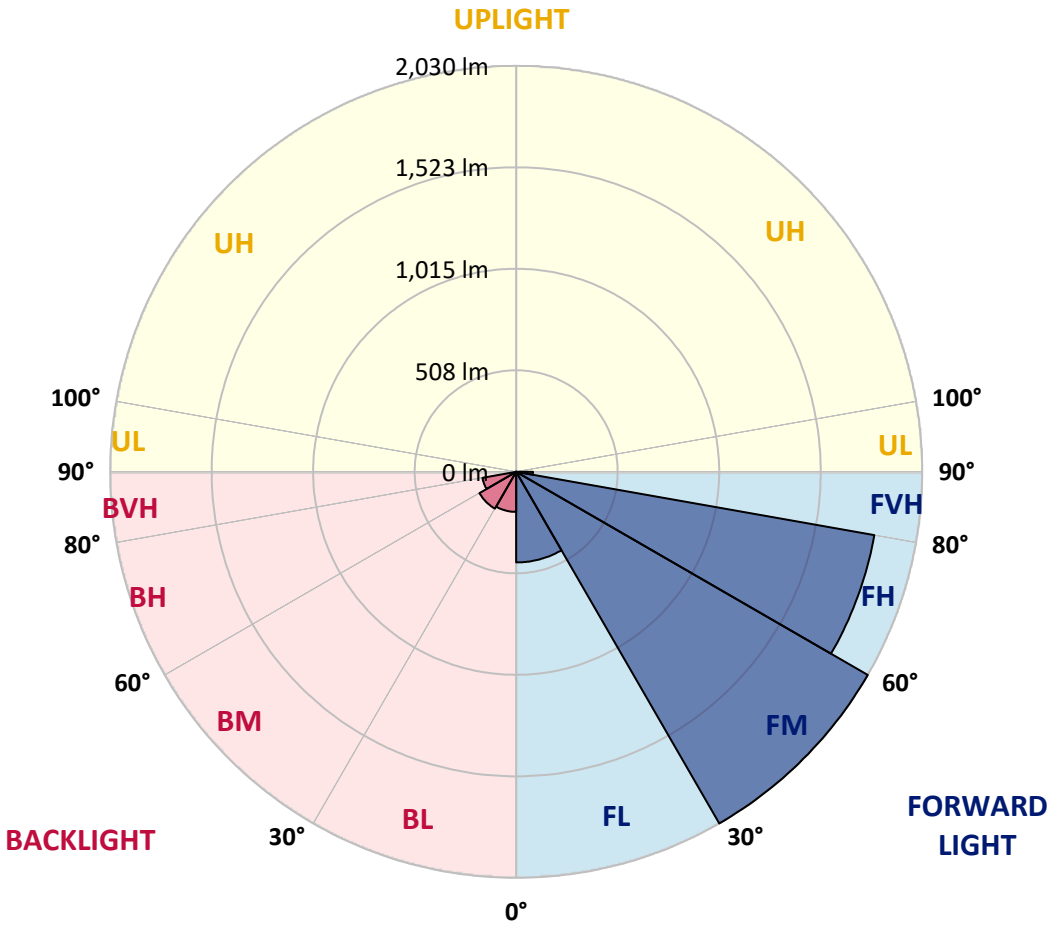
Scaled Data Report

REPORT NUMBER: P386048
CATALOG NUMBER: GPC-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°)	453.0	9.1			
FM	(30°-60°)	2030.0	40.8			
FH	(60°-80°)	1818.4	36.6			G2/5000
FVH	(80°-90°)	83.7	1.7			G1/100
BL	(0°-30°)	200.5	4.0	B1/500		
BM	(30°-60°)	212.3	4.3	B0/220		
BH	(60°-80°)	171.2	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-G2
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P386048
CATALOG NUMBER: GPC-SA1C-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	*1256.2*	1256.2	1256.2
2.5°	1267.3	1264.2	1266.7	1272.2	1274.9	1274.9	1277.0	1274.5	*1275.3*	1269.2	1260.4
5°	1188.0	1183.2	1190.1	1205.5	1224.4	1240.6	1264.6	1277.2	*1278.5*	1278.7	1268.4
7.5°	1102.6	1098.2	1108.5	1126.6	1151.0	1181.1	1222.9	1259.5	*1261.6*	1281.4	1273.8
10°	1033.2	1030.1	1042.0	1061.4	1090.0	1123.7	1175.0	1225.9	*1232.0*	1275.7	1273.0
12.5°	978.1	975.6	986.9	1009.2	1038.5	1075.7	1129.3	1188.4	*1196.7*	1262.9	1268.8
15°	937.9	937.5	947.0	968.4	1000.8	1035.5	1090.4	1153.7	*1163.2*	1249.0	1268.2
17.5°	916.9	917.5	924.5	942.8	970.5	1005.0	1057.6	1124.5	*1134.8*	1236.6	1271.3
20°	914.8	915.4	919.2	929.5	952.0	982.5	1030.9	1099.9	*1110.6*	1227.4	1276.4
22.5°	933.3	932.9	933.9	932.9	945.5	968.6	1013.2	1081.0	*1093.4*	1221.3	1280.4
25°	968.8	968.2	967.8	960.0	951.6	964.0	1005.9	1070.2	*1082.0*	1216.8	1282.7
27.5°	1018.3	1017.9	1017.2	1004.4	979.2	971.4	1006.7	1066.2	*1076.1*	1213.3	1282.3
30°	1083.3	1086.2	1085.4	1067.5	1028.2	993.9	1015.5	1064.1	*1072.8*	1206.3	1277.8
32.5°	1159.6	1165.5	1170.1	1151.0	1101.8	1038.5	1035.9	1066.4	*1072.8*	1201.1	1269.9
35°	1238.9	1246.5	1263.5	1256.8	1192.0	1105.6	1071.1	1080.3	*1085.6*	1204.0	1266.1
37.5°	1317.0	1326.0	1363.0	1382.6	1310.2	1194.3	1125.8	1114.6	*1117.4*	1221.9	1270.3
40°	1407.6	1421.3	1477.5	1509.0	1451.4	1313.2	1207.6	1173.5	*1174.6*	1261.2	1289.8
42.5°	1526.7	1540.8	1601.6	1651.0	1610.4	1463.4	1318.7	1263.5	*1262.5*	1334.8	1335.9
45°	1671.8	1686.5	1749.4	1804.3	1786.0	1641.3	1460.8	1395.0	*1393.7*	1451.0	1423.2
47.5°	1836.3	1850.8	1907.0	1963.6	1983.3	1849.1	1642.0	1574.4	*1571.5*	1612.3	1558.0
50°	1977.5	1986.9	2038.7	2114.8	2204.0	2104.5	1867.2	1802.2	*1799.1*	1826.6	1756.0
52.5°	2028.8	2034.2	2086.8	2193.5	2416.0	2450.3	2163.2	2079.5	*2077.2*	2089.1	2019.5
55°	1924.9	1934.8	1999.3	2157.5	2530.9	2841.1	2536.8	2422.8	*2405.3*	2379.4	2295.1
57.5°	1641.7	1657.5	1726.9	1937.3	2477.2	3151.2	3085.8	2811.1	*2785.4*	2627.2	2519.1
60°	1230.1	1249.4	1307.1	1534.0	2191.0	3261.6	3685.7	3243.7	*3185.9*	2824.5	2725.0
62.5°	844.1	853.8	892.9	1040.8	1613.6	3080.7	4187.5	3823.2	*3717.6*	3039.1	2947.8
65°	644.7	648.1	664.1	715.0	960.9	2502.5	4387.2	4587.8	*4460.2*	3295.7	3178.9
67.5°	519.6	516.8	538.9	611.7	643.4	1526.7	4154.3	5311.2	*5251.5*	3638.8	3411.6
69°	*458.1*	*454.3*	*476.9*	*561.4*	*604.3*	*1009.2*	*3713.9*	*5475.5*	*5479.3*	*3819.9*	*3427.6*
70°	412.3	414.8	437.1	531.5	591.1	792.2	3293.2	5433.6	*5463.5*	3887.6	3331.7
72.5°	275.3	282.1	326.9	441.3	568.4	599.5	1988.4	4662.7	*4777.6*	3735.1	2858.4
75°	155.2	160.3	213.5	332.8	535.5	570.9	1050.3	3435.1	*3546.2*	3123.4	2204.2
77.5°	76.1	78.9	120.7	214.8	447.8	544.0	595.7	2333.4	*2460.2*	2038.7	1246.7
80°	32.2	33.7	60.4	132.5	320.1	519.1	442.4	1436.0	*1451.8*	798.7	332.1
82.5°	12.4	12.8	25.5	82.7	203.4	404.7	370.0	680.9	*664.5*	150.4	75.7
85°	1.5	1.7	9.3	49.6	113.2	208.2	300.6	293.4	*271.6*	29.9	38.9
87.5°	0.0	0.0	0.6	15.1	33.7	97.6	156.3	121.8	*109.8*	9.7	20.2
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: P386048
CATALOG NUMBER: GPC-SA1C-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2	1256.2
2.5°	1253.0	1250.9	1239.6	1223.2	1207.6	1188.2	1169.7	1158.6	1149.7	1143.9	1150.8
5°	1256.4	1247.1	1212.6	1168.5	1125.1	1076.3	1030.9	992.4	977.3	960.4	968.0
7.5°	1255.3	1237.9	1175.8	1097.2	1017.6	935.4	857.6	797.6	766.5	736.0	743.8
10°	1250.1	1220.6	1126.6	1010.1	891.0	772.8	662.4	578.4	531.5	489.1	495.2
12.5°	1238.5	1197.5	1068.6	910.4	751.1	595.3	465.9	358.4	300.8	275.3	278.5
15°	1231.6	1175.0	1007.1	809.4	601.8	414.6	284.8	211.8	185.5	177.1	178.2
17.5°	1228.2	1153.3	943.6	693.9	449.1	264.0	184.1	162.4	156.7	155.2	155.7
20°	1224.8	1131.4	878.2	579.7	309.4	177.5	151.2	144.9	142.8	140.9	141.4
22.5°	1219.2	1110.4	807.9	464.0	208.7	144.1	136.3	130.2	125.8	123.5	123.9
25°	1212.2	1088.3	736.2	345.6	152.3	128.5	121.2	112.5	107.3	103.1	103.3
27.5°	1201.1	1061.2	662.2	251.6	127.9	115.1	105.2	95.7	86.9	82.0	82.0
30°	1185.5	1030.5	579.9	180.1	114.6	101.8	89.8	78.0	68.6	64.2	63.7
32.5°	1168.3	998.5	496.8	136.5	104.1	89.4	75.7	63.3	54.9	51.3	51.1
35°	1153.5	964.0	414.0	114.4	93.6	77.4	62.5	52.0	45.2	42.3	42.1
37.5°	1144.1	929.5	333.2	102.2	84.1	66.3	52.4	42.9	38.1	35.8	35.5
40°	1142.6	903.9	259.4	93.0	75.3	56.4	43.8	36.4	32.0	29.4	29.2
42.5°	1161.7	889.1	199.0	85.2	66.3	47.7	37.2	31.1	26.5	24.0	23.8
45°	1212.0	893.8	153.1	78.2	57.2	40.4	31.6	25.9	21.7	19.8	19.4
47.5°	1303.7	925.7	121.8	71.3	48.6	34.3	26.9	21.5	17.9	16.0	15.8
50°	1466.9	1000.8	101.8	63.7	40.6	29.2	22.3	17.5	14.5	12.8	12.6
52.5°	1683.6	1134.6	90.9	56.4	33.7	24.8	18.3	13.9	11.4	10.1	9.9
55°	1922.6	1296.6	83.7	48.4	27.6	20.6	14.5	10.9	8.8	7.8	7.4
57.5°	2155.8	1436.9	77.0	40.6	22.9	16.8	11.6	8.6	6.9	5.9	5.7
60°	2370.2	1565.8	69.2	32.6	18.7	13.3	9.0	6.7	5.5	4.4	4.4
62.5°	2599.7	1665.5	58.5	25.5	15.4	10.1	7.4	6.1	4.4	3.8	3.6
65°	2842.8	1739.6	45.9	19.8	12.0	7.6	6.1	6.3	3.6	2.7	2.5
67.5°	3022.4	1724.8	33.9	15.6	9.3	5.9	5.9	6.7	3.2	2.1	1.9
69°	*2982.9*	*1605.1*	*28.4*	*13.5*	*8.0*	*5.0*	*5.5*	*6.7*	*2.9*	*1.9*	*1.7*
70°	2868.3	1472.6	25.0	12.0	7.2	4.6	5.3	6.5	2.7	1.9	1.7
72.5°	2388.7	1109.1	19.6	9.0	5.7	3.8	4.4	5.7	2.7	1.9	1.5
75°	1796.8	709.9	14.9	6.5	4.2	2.9	3.4	4.2	2.7	1.7	1.5
77.5°	977.7	256.0	10.7	4.4	2.9	2.3	2.3	3.2	2.5	1.3	0.8
80°	251.4	64.4	6.7	2.9	2.3	1.7	1.5	2.1	1.5	0.2	0.0
82.5°	62.1	14.5	3.6	2.1	1.7	0.6	0.6	1.1	0.6	0.0	0.0
85°	34.1	7.2	2.3	1.5	0.8	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	17.5	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

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

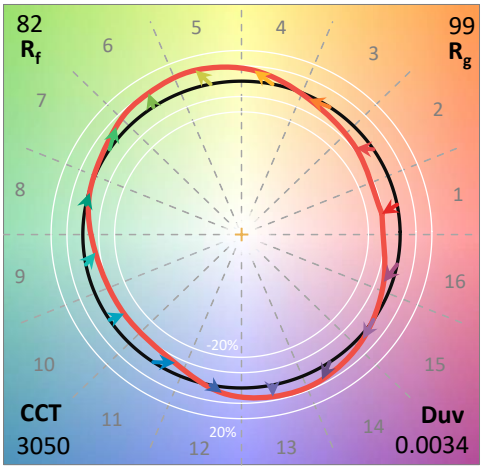
Test Information

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

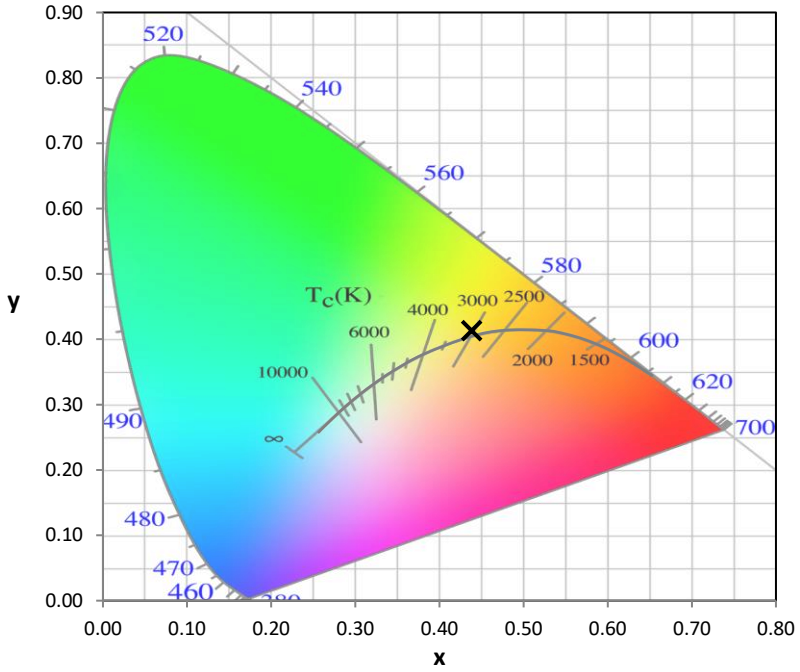
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

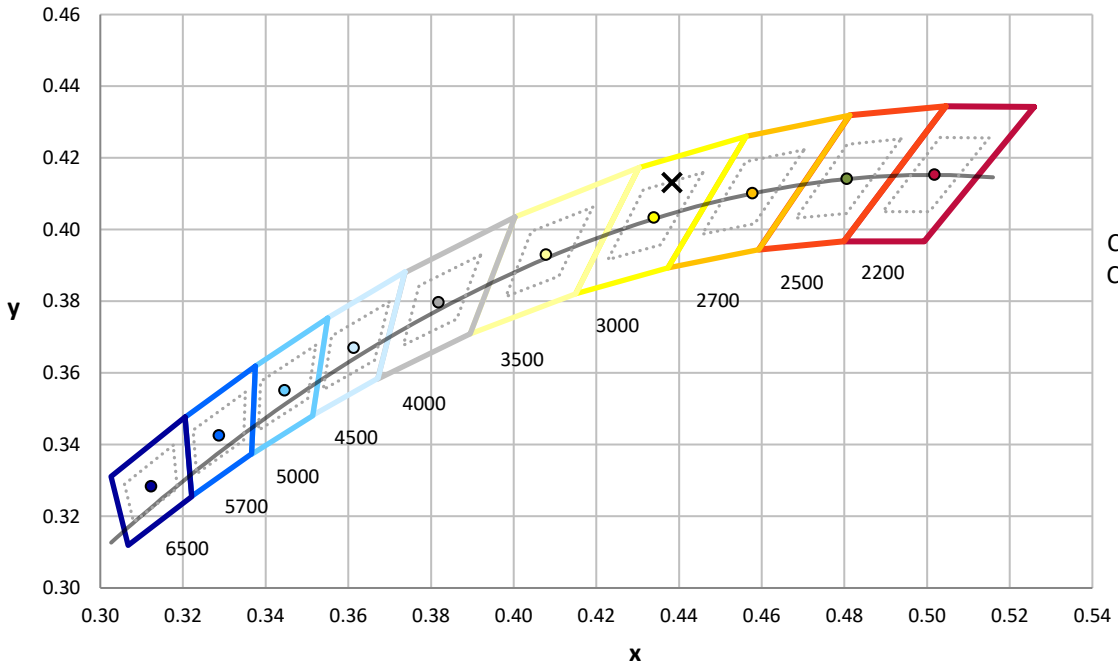
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

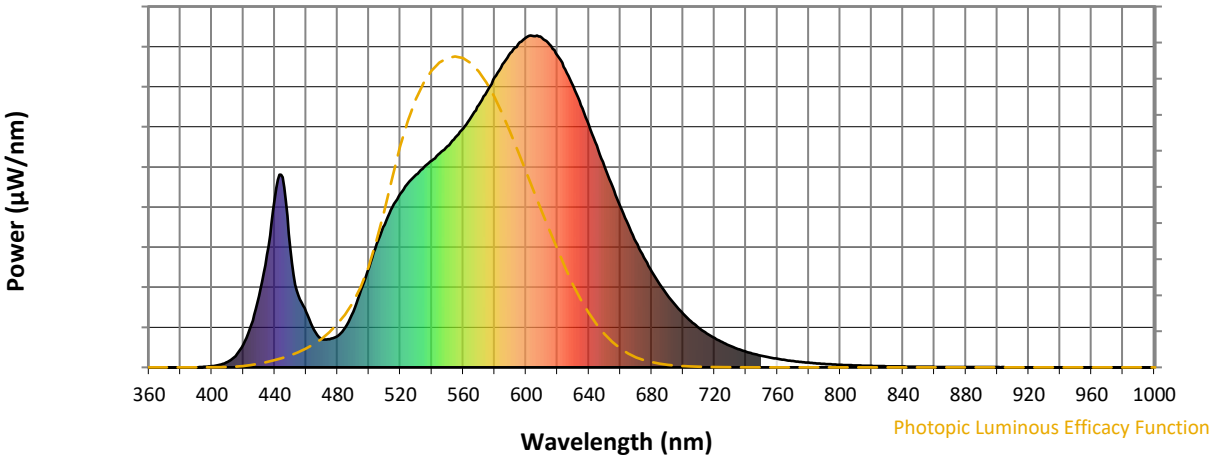


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

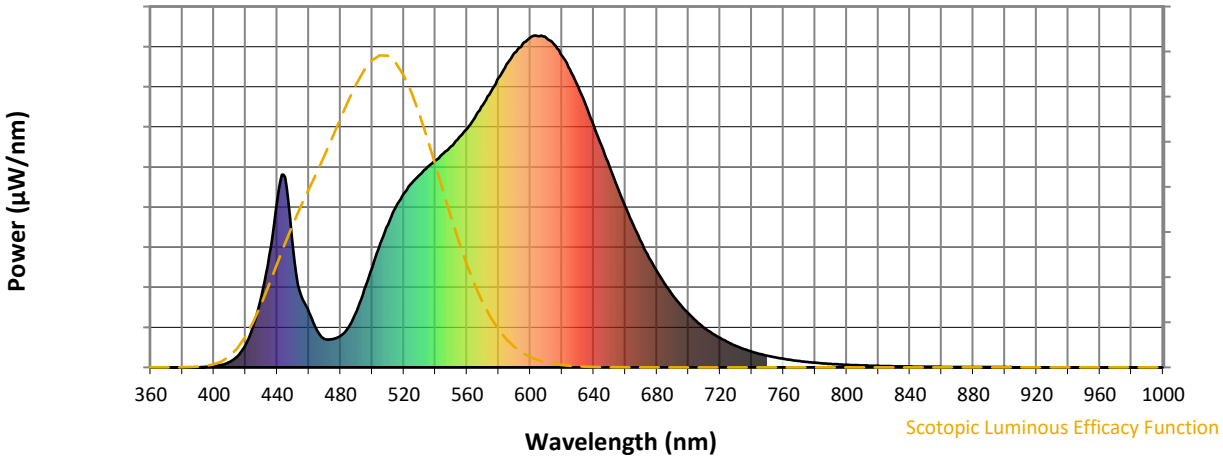


Photopic Lumens: NR

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

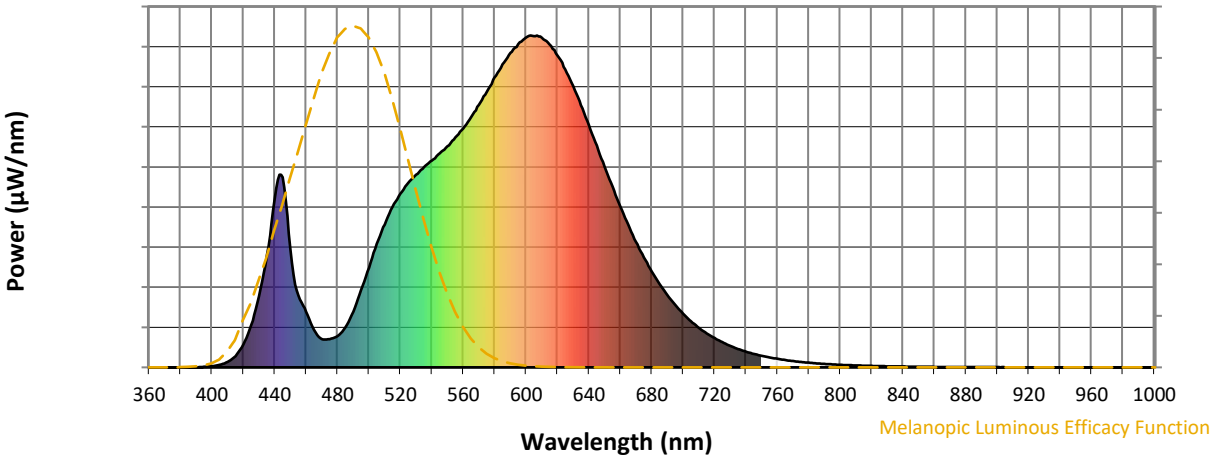


Scotopic Lumens: NR **S/P: 1.27**

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			

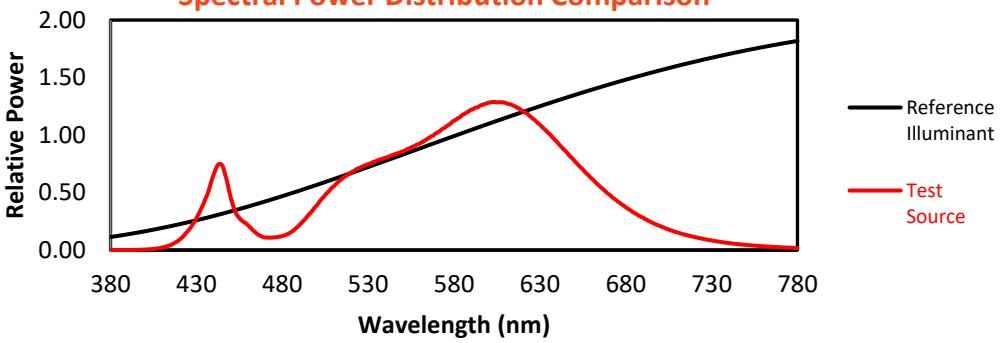
REPORT NUMBER: SP1-2408-195-9

TM-30-18

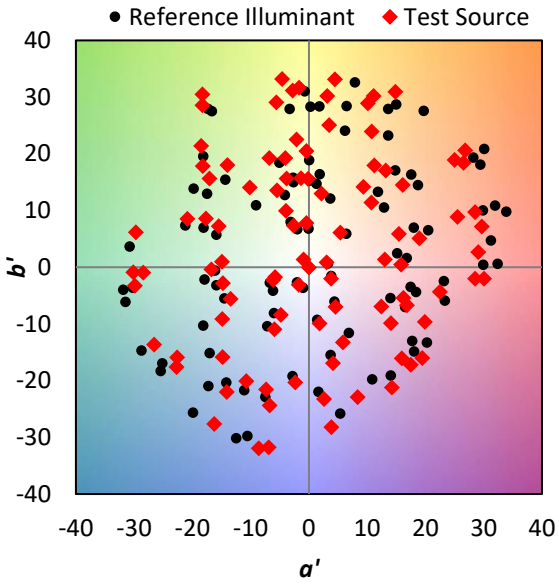
Summary

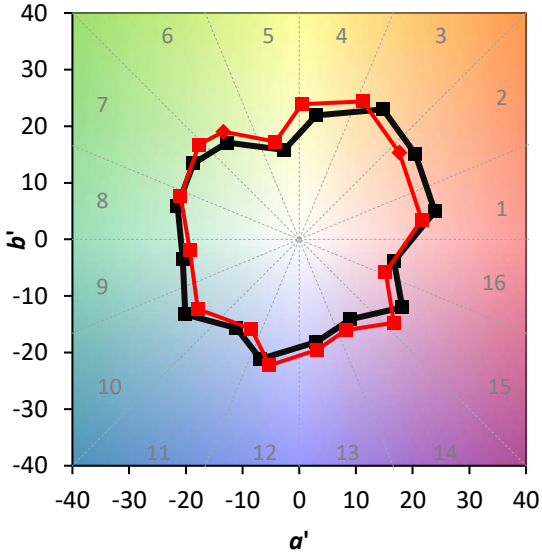
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

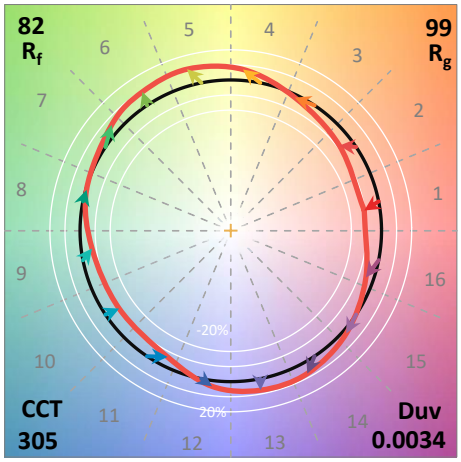
Spectral Power Distribution Comparison

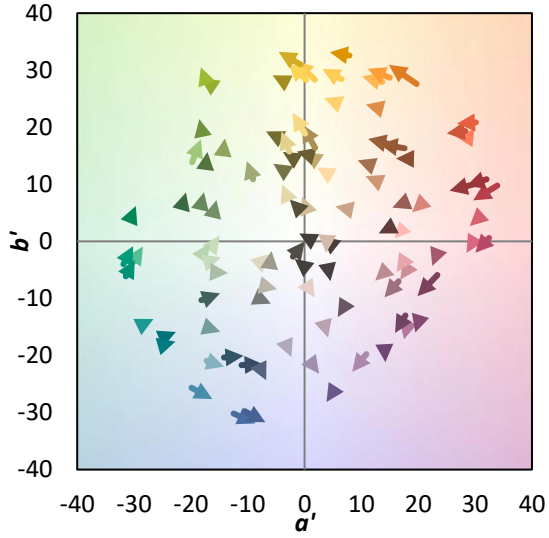


Color Vector Graphics







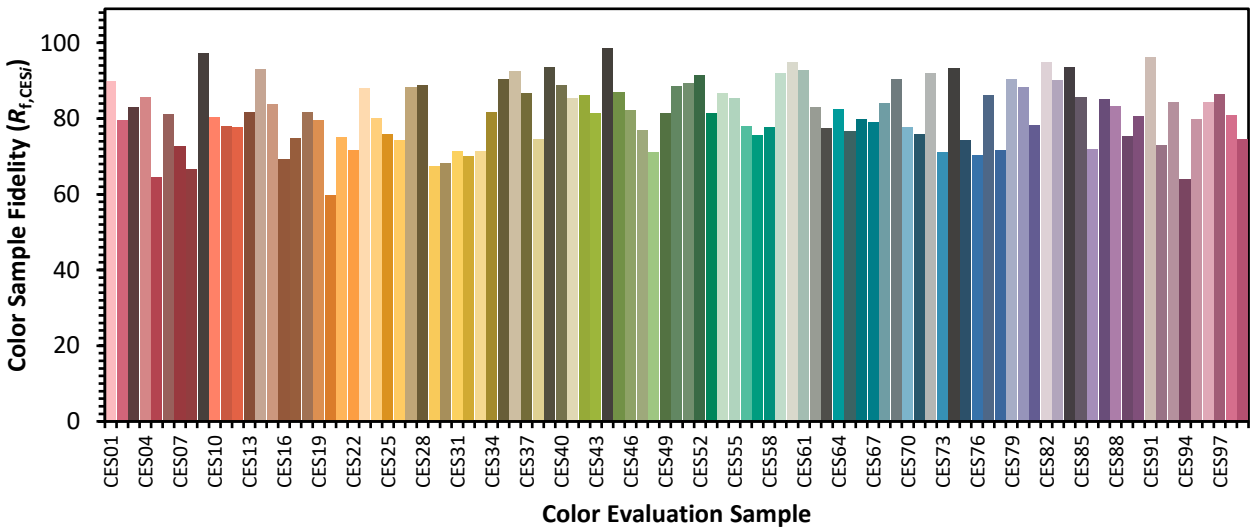


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

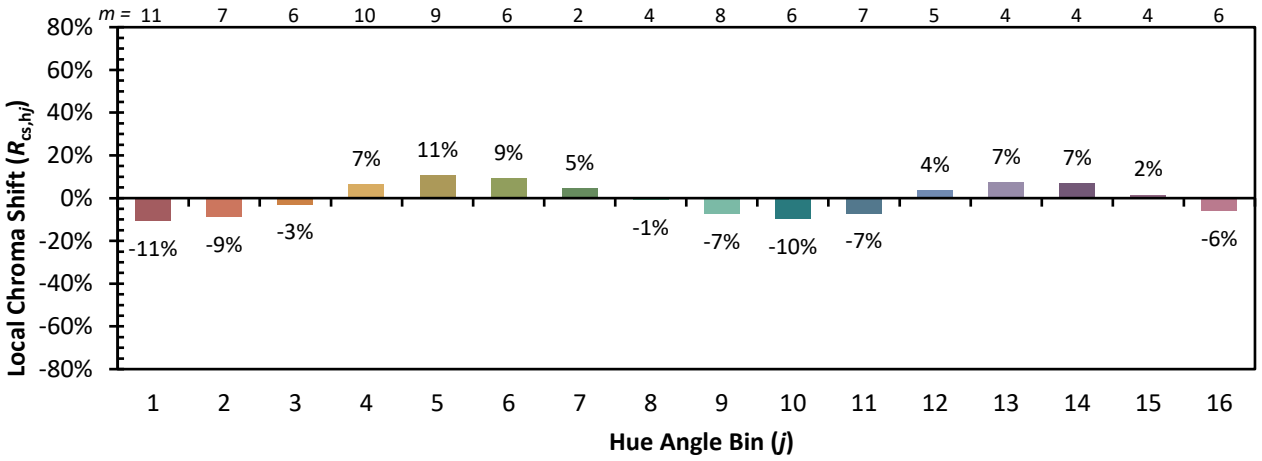
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

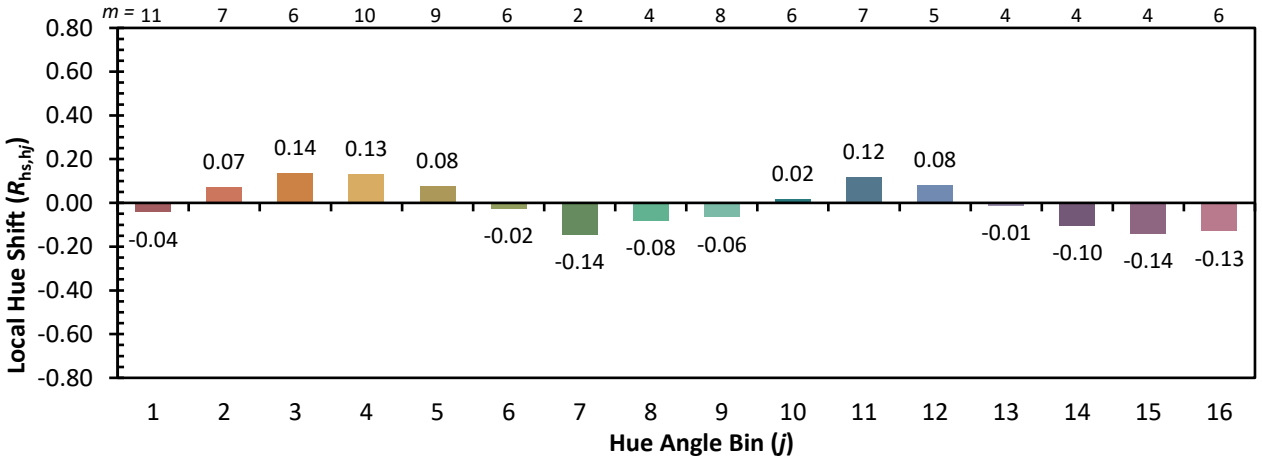


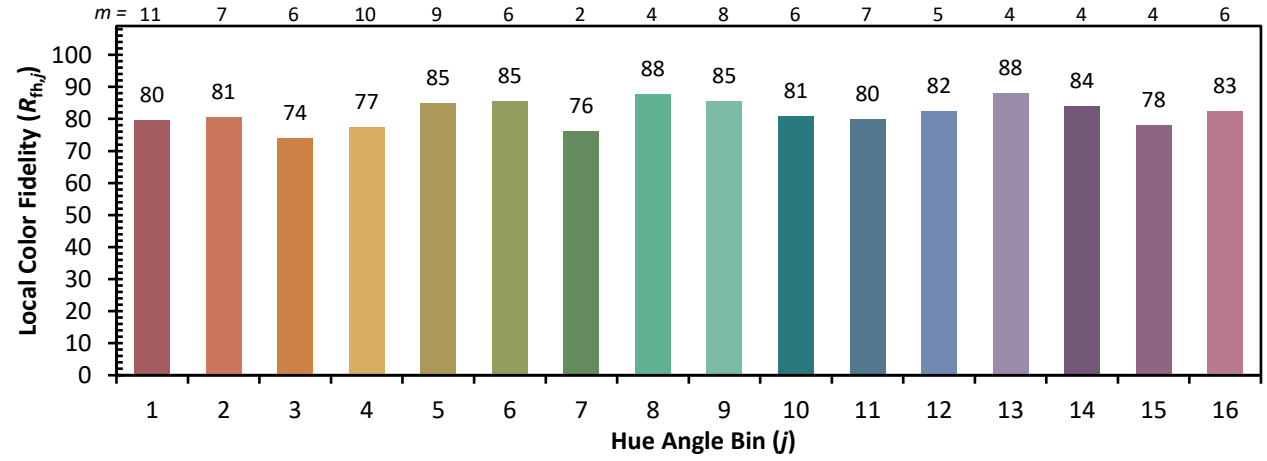
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



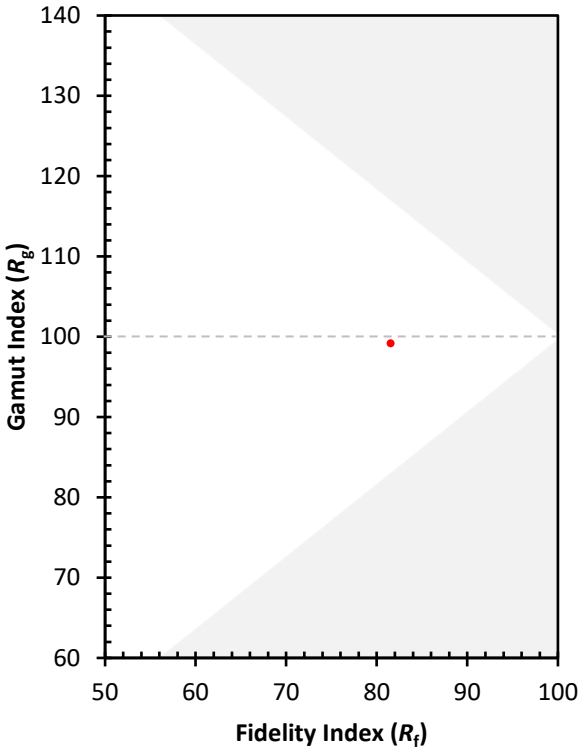


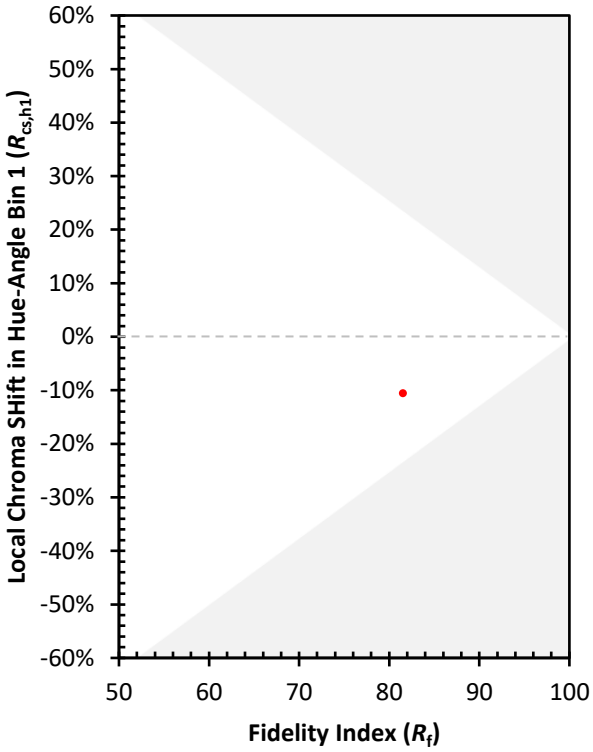


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)