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: P322086

Luminaire Tested: **GLEON-SA2C-830-U-T2-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:	P322086
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2C-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8181 lumens
Efficiency:	N/A
Efficacy:	72.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	113
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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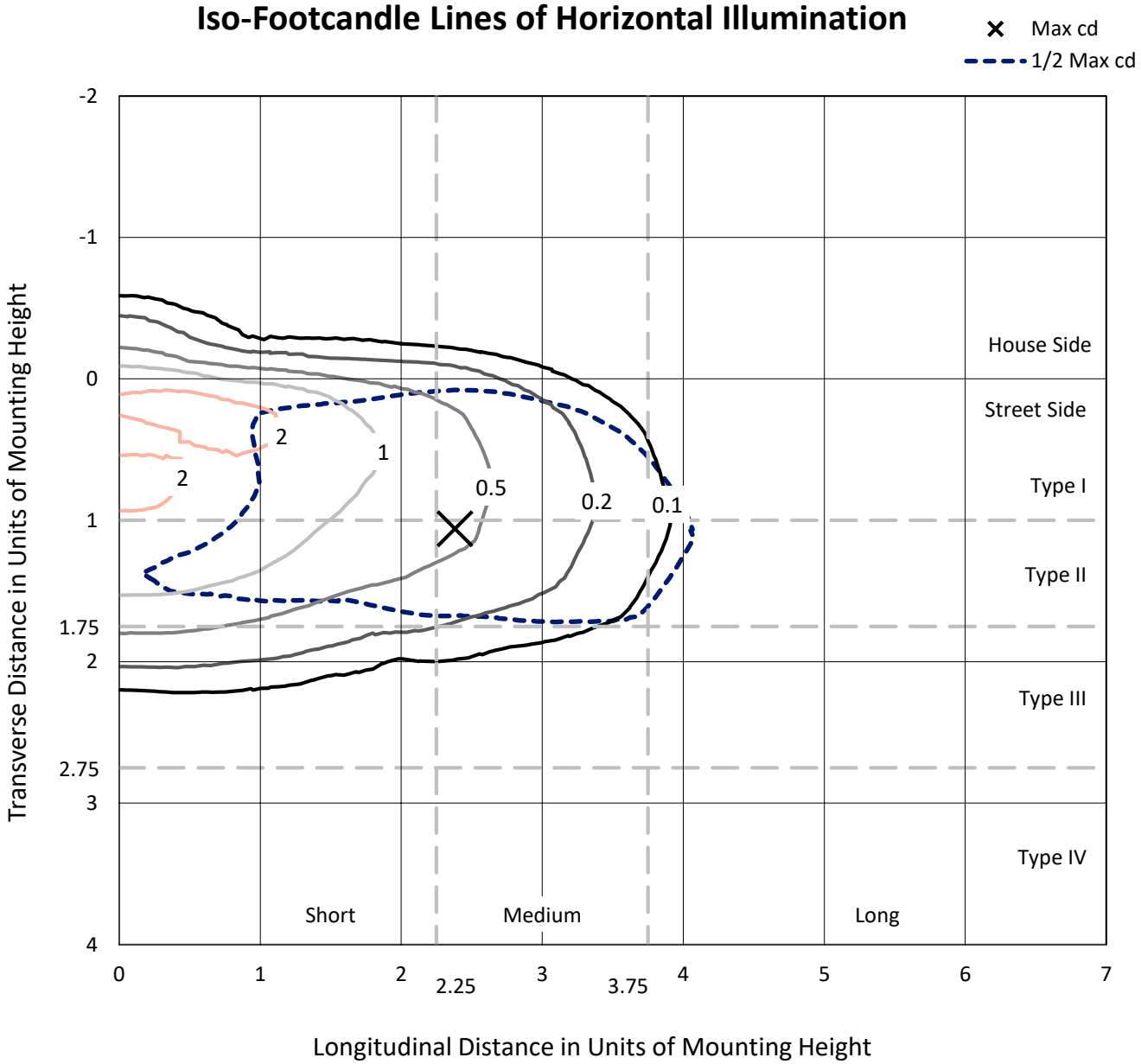
Scaled Data Report

REPORT NUMBER: P322086
CATALOG NUMBER: GLEON-SA2C-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type II - Medium - N/A

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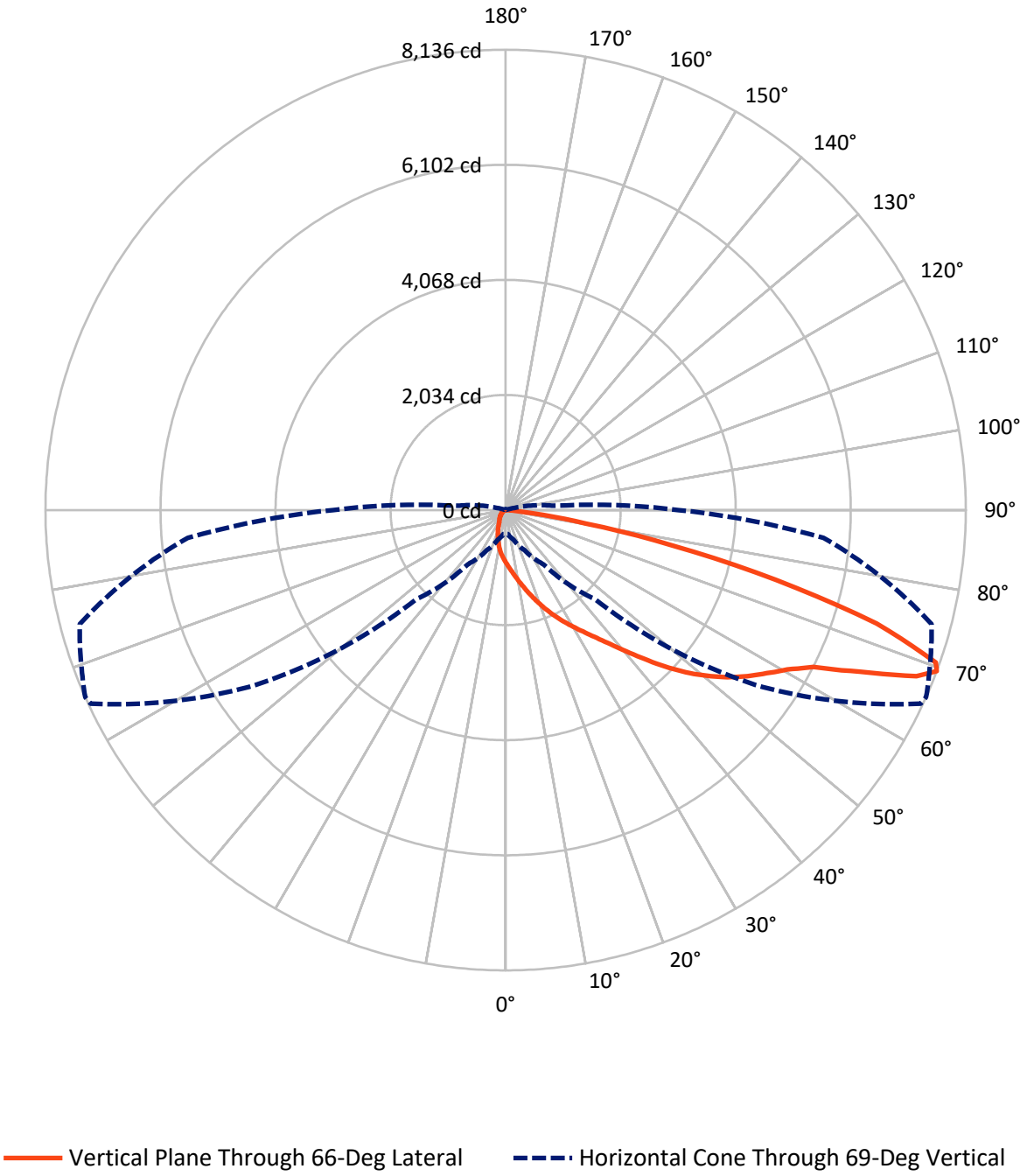
Luminous Intensity Polar Plot



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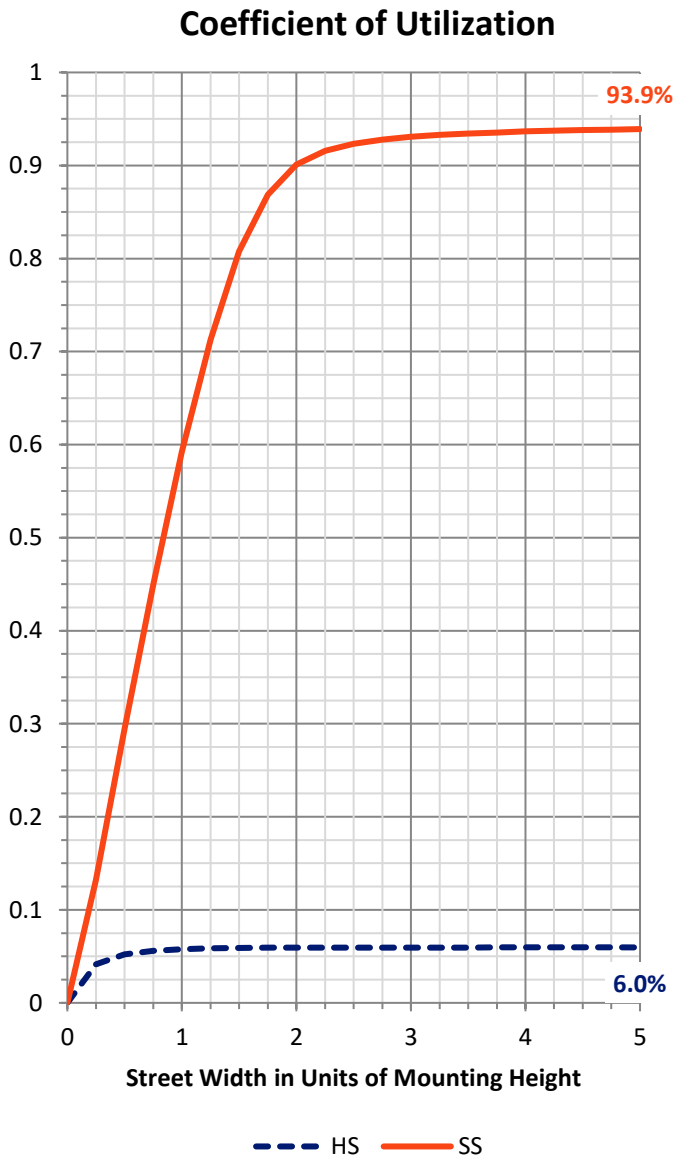
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	490.7	0.0	490.7
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	7690.3	0.0	7690.3
	% Fixture	94.0	0.0	94.0
Total	Lumens	8181.0	0.0	8181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	1.1
10°-20°	267.8	3.3
20°-30°	466.4	5.7
30°-40°	818.3	10.0
40°-50°	1369.7	16.7
50°-60°	2013.4	24.6
60°-70°	2067.3	25.3
70°-80°	1020.5	12.5
80°-90°	67.5	0.8
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°	8181.0	100.0
0°-180°	8181.0	100.0



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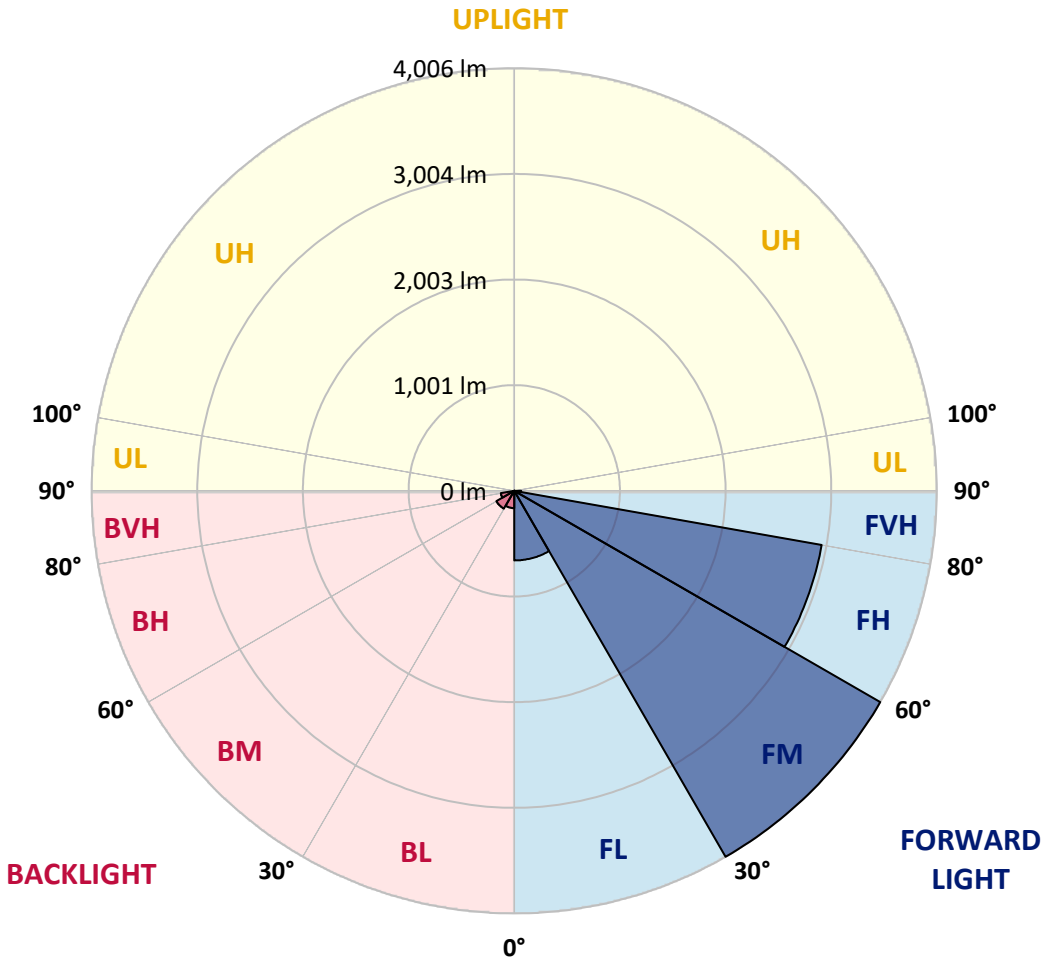
CATALOG NUMBER: GLEON-SA2C-830-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	660.1	8.1			
FM	(30°-60°)	4005.8	49.0			
FH	(60°-80°)	2958.5	36.2			G2/5000
FVH	(80°-90°)	65.8	0.8			G1/100
BL	(0°-30°)	164.1	2.0	B1/500		
BM	(30°-60°)	195.7	2.4	B0/220		
BH	(60°-80°)	129.3	1.6	B1/500		G1/500
BVH	(80°-90°)	1.6	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 II Medium



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REPORT NUMBER: P322086
CATALOG NUMBER: GLEON-SA2C-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0	*931.0*	931.0	931.0
2.5°	1095.8	1091.1	1089.2	1080.6	1065.9	1054.6	1032.8	1007.6	*1002.9*	978.4	948.5
5°	1238.0	1234.1	1231.4	1219.3	1204.2	1175.8	1136.2	1089.2	*1080.2*	1033.6	973.8
7.5°	1337.1	1344.1	1344.1	1336.3	1317.3	1295.9	1247.3	1183.2	*1171.9*	1100.4	1007.6
10°	1395.0	1403.5	1410.1	1416.7	1414.0	1405.5	1359.6	1287.3	*1273.7*	1178.9	1046.8
12.5°	1400.4	1409.0	1427.6	1455.2	1482.0	1501.5	1472.7	1402.8	*1387.2*	1269.9	1093.4
15°	1370.1	1379.1	1407.8	1461.4	1526.3	1583.1	1592.4	1530.6	*1514.7*	1378.3	1151.7
17.5°	1317.3	1323.1	1364.3	1438.5	1540.3	1644.4	1700.8	1667.8	*1653.0*	1502.2	1216.6
20°	1278.0	1282.3	1318.4	1398.1	1531.8	1682.9	1803.4	1813.5	*1797.9*	1635.1	1287.0
22.5°	1345.2	1353.0	1354.2	1391.9	1508.4	1702.0	1893.5	1956.9	*1945.2*	1776.2	1356.1
25°	1529.0	1538.0	1508.4	1485.1	1528.3	1710.5	1970.8	2103.7	*2094.4*	1928.1	1425.7
27.5°	1771.9	1781.2	1743.1	1673.6	1632.0	1742.8	2039.6	2253.0	*2252.6*	2089.0	1500.7
30°	2010.5	2019.8	1981.0	1911.4	1815.8	1834.1	2099.1	2409.2	*2411.5*	2254.9	1580.3
32.5°	2260.7	2272.4	2232.4	2143.0	2043.1	1991.8	2182.6	2566.1	*2579.4*	2447.2	1670.1
35°	2545.2	2546.7	2490.4	2396.7	2281.7	2202.8	2316.7	2742.2	*2773.6*	2685.4	1783.9
37.5°	2824.2	2835.4	2789.2	2641.5	2535.8	2446.5	2516.0	2962.1	*3006.8*	2976.5	1932.8
40°	3030.9	3054.6	3048.0	2888.7	2788.4	2724.7	2763.5	3223.6	*3280.3*	3315.3	2120.5
42.5°	3160.7	3178.5	3208.8	3112.9	3021.9	3032.4	3055.7	3528.3	*3598.2*	3701.6	2336.1
45°	3309.5	3318.0	3343.3	3300.9	3239.5	3345.2	3365.8	3871.4	*3944.8*	4116.9	2575.5
47.5°	3491.3	3511.5	3518.5	3479.7	3451.7	3621.9	3664.6	4183.4	*4286.4*	4561.9	2828.8
50°	3722.9	3728.4	3740.4	3715.2	3687.2	3859.7	3932.8	4511.0	*4604.6*	5008.3	3078.7
52.5°	3949.5	3968.9	4010.9	3994.9	3983.7	4062.2	4171.7	4806.3	*4910.8*	5380.6	3328.1
55°	4014.7	4031.5	4176.4	4275.5	4367.2	4311.6	4400.2	5070.9	*5184.0*	5713.2	3568.3
57.5°	3754.0	3787.8	4038.8	4296.9	4677.3	4699.4	4714.2	5342.5	*5443.9*	5968.1	3818.1
60°	3095.0	3101.6	3513.5	3956.1	4626.0	5037.9	5172.7	5634.3	*5719.4*	6205.5	4117.3
62.5°	1968.5	2035.7	2487.7	3112.5	4083.5	4988.9	5727.2	6075.7	*6106.8*	6490.4	4546.3
65°	937.6	981.2	1306.8	1923.1	2957.8	4362.1	6109.9	6874.3	*6888.3*	7055.0	5119.5
67.5°	519.1	540.1	695.2	1035.2	1729.2	3084.9	5955.3	7820.1	*7833.3*	7631.6	5622.3
69°	*406.1*	*423.9*	*545.9*	*780.3*	*1172.3*	*2217.2*	*5389.1*	*8097.1*	*8136.4*	*7796.7*	*5640.2*
70°	344.7	362.2	470.2	659.0	942.7	1713.2	4796.9	8028.3	*8069.9*	7781.2	5506.9
72.5°	211.0	221.1	313.2	464.0	631.8	861.9	2958.2	6789.6	*6859.9*	7137.7	4732.8
75°	142.2	147.7	195.8	320.2	451.9	443.8	1536.8	4785.7	*4938.0*	5552.3	3495.6
77.5°	101.8	106.9	131.3	207.1	316.7	293.0	695.9	2974.1	*3006.8*	3330.1	1906.3
80°	57.9	62.6	92.9	123.2	214.9	195.5	276.7	1420.6	*1436.9*	1428.0	636.5
82.5°	30.3	34.2	50.9	81.2	137.9	127.8	115.0	475.6	*477.9*	397.5	139.5
85°	5.8	7.0	25.3	55.6	71.1	55.6	47.0	111.5	*113.9*	100.6	34.6
87.5°	0.0	0.4	10.1	12.4	14.0	14.4	15.2	21.8	*23.3*	31.5	9.3
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: P322086
CATALOG NUMBER: GLEON-SA2C-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0
2.5°	935.3	921.3	894.5	863.4	839.3	815.6	797.0	777.5	770.5	767.0	766.7
5°	944.6	915.1	858.4	800.1	752.3	707.2	675.0	644.3	629.9	623.3	620.6
7.5°	960.2	912.8	821.4	732.5	663.7	607.3	562.7	529.2	512.5	505.5	502.8
10°	978.4	909.7	778.3	661.0	573.1	514.9	470.6	437.5	419.3	411.5	407.6
12.5°	999.8	904.2	728.6	588.7	495.8	437.5	383.9	343.1	322.1	313.2	308.9
15°	1026.2	898.8	676.5	520.7	427.8	356.7	298.0	270.4	266.2	264.6	265.0
17.5°	1052.3	890.2	619.8	453.5	356.3	278.6	248.7	247.1	247.9	247.9	247.9
20°	1075.6	870.8	558.0	396.0	288.3	235.1	228.9	226.2	224.2	222.7	220.7
22.5°	1093.8	844.8	498.5	338.8	235.5	215.3	205.6	197.0	190.0	185.3	183.0
25°	1106.3	810.2	444.1	284.0	211.8	195.8	178.4	164.0	153.1	146.5	143.8
27.5°	1115.6	772.9	395.6	237.8	195.5	173.3	150.4	133.3	122.0	116.2	113.9
30°	1122.2	730.5	352.8	209.1	177.2	149.6	125.1	108.4	100.3	97.1	95.6
32.5°	1128.4	683.5	312.4	195.5	160.1	127.8	104.9	92.1	87.0	83.2	82.0
35°	1144.0	640.0	273.9	181.1	142.6	109.2	90.1	80.8	75.8	73.4	72.7
37.5°	1180.9	607.7	237.0	166.3	125.1	94.4	78.9	72.3	67.6	65.3	64.5
40°	1240.3	591.4	205.9	150.4	108.0	83.2	71.5	65.3	60.2	56.7	56.0
42.5°	1327.8	593.7	184.2	134.4	94.4	74.2	64.5	57.1	51.7	48.6	47.8
45°	1433.8	610.8	169.0	118.9	83.2	67.2	56.7	49.0	43.9	41.2	40.4
47.5°	1548.9	638.4	156.6	104.9	74.2	60.6	49.0	40.8	36.5	34.2	33.8
50°	1670.1	665.2	143.8	91.3	66.4	54.0	41.2	33.8	30.3	28.4	27.6
52.5°	1792.9	696.3	132.1	78.9	59.8	46.2	34.2	27.6	24.9	23.3	22.5
55°	1925.0	719.6	120.8	69.2	53.2	39.2	28.4	22.9	20.6	18.7	18.3
57.5°	2080.4	755.8	109.2	59.8	45.5	32.6	23.3	18.3	16.3	14.4	14.0
60°	2290.3	798.1	96.8	52.8	37.3	26.8	19.0	14.8	12.4	10.9	10.5
62.5°	2566.9	845.1	81.2	46.2	30.3	21.8	15.2	11.7	8.9	7.0	7.0
65°	2917.8	921.7	66.4	38.9	24.9	17.9	11.7	8.5	5.1	3.1	3.1
67.5°	3122.6	934.9	53.6	31.9	20.2	15.2	9.7	5.8	1.6	0.4	0.0
69°	*3056.9*	*858.4*	*45.5*	*27.2*	*17.5*	*14.4*	*8.9*	*4.3*	*0.8*	*0.0*	*0.0*
70°	2933.3	784.9	40.0	24.1	15.9	13.6	8.5	3.1	0.8	0.0	0.0
72.5°	2423.9	558.8	30.3	17.9	11.7	12.0	7.8	1.9	0.8	0.0	0.0
75°	1765.7	339.6	21.8	12.4	7.4	8.9	5.4	0.8	0.4	0.0	0.0
77.5°	982.3	160.1	13.6	7.0	4.7	5.4	2.7	0.0	0.0	0.0	0.0
80°	319.0	43.5	6.2	3.9	2.7	3.1	1.2	0.0	0.0	0.0	0.0
82.5°	59.1	12.4	3.5	1.9	0.8	0.8	0.0	0.0	0.0	0.0	0.0
85°	12.8	5.1	1.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.3	1.6	0.4	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

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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

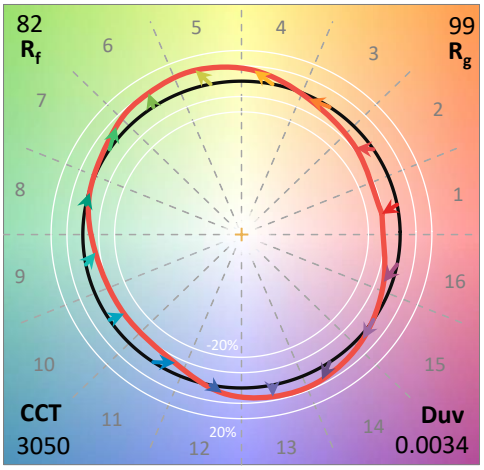
Test Information

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

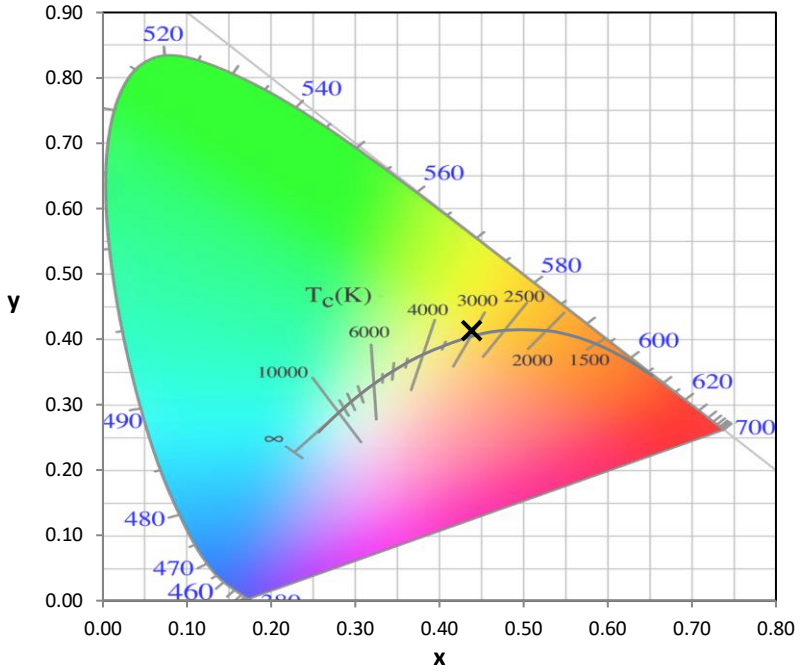
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

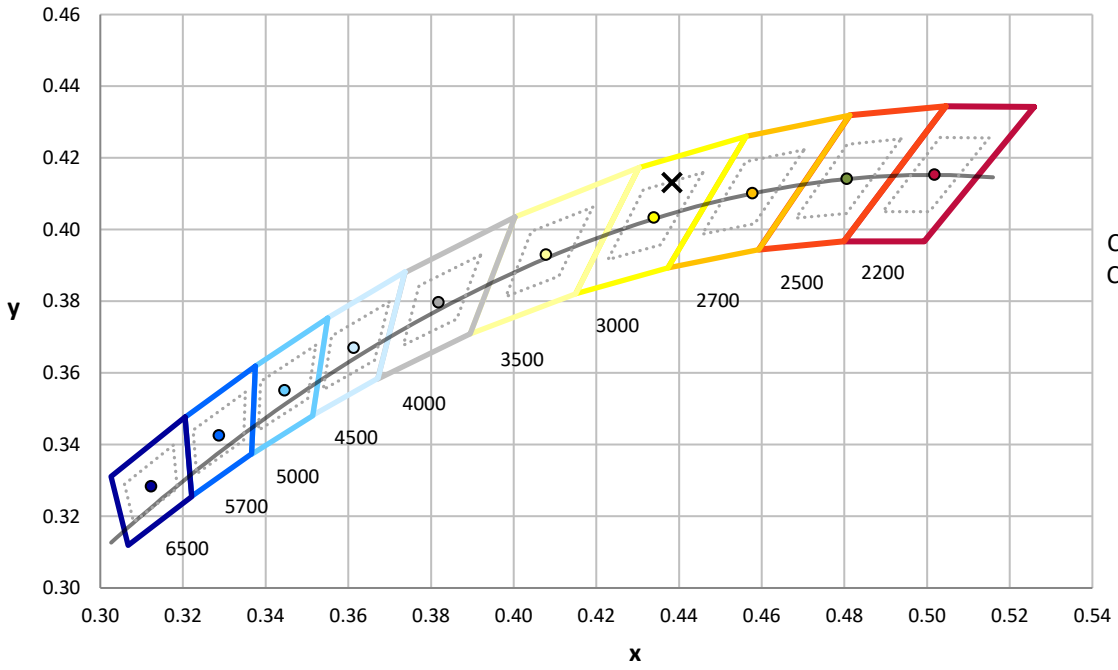
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

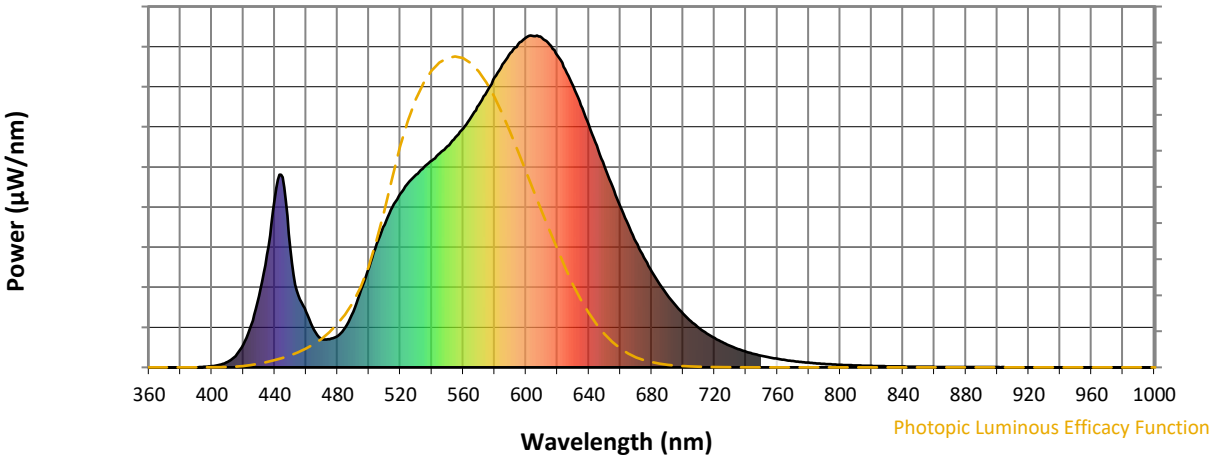


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

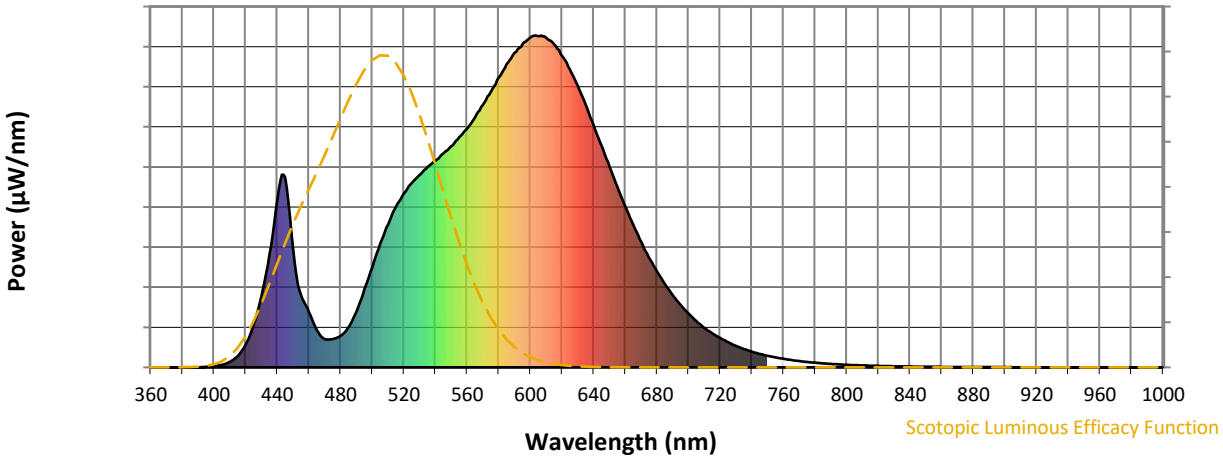


Photopic Lumens: NR

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

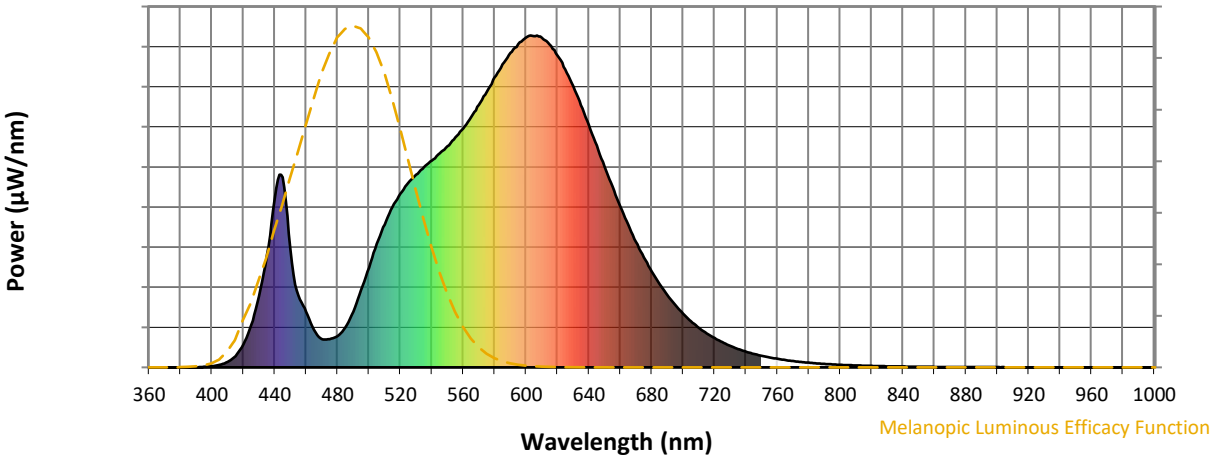


Scotopic Lumens: NR **S/P: 1.27**

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			

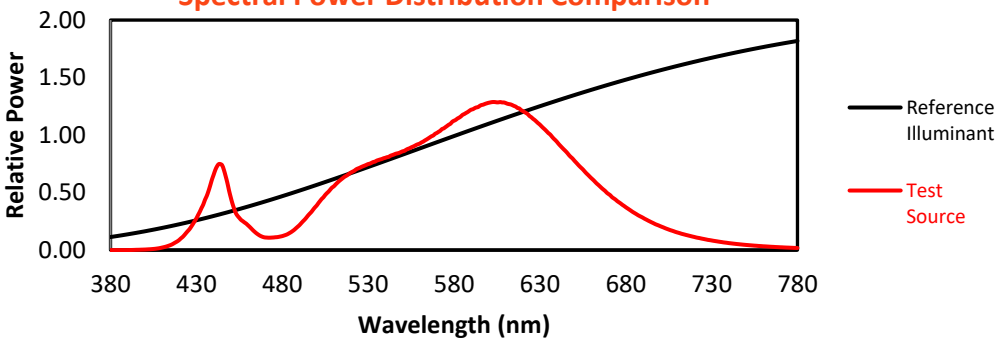
REPORT NUMBER: SP1-2408-195-9

TM-30-18

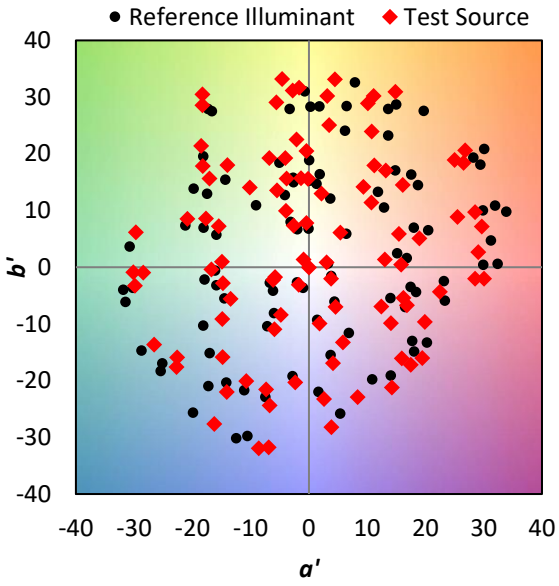
Summary

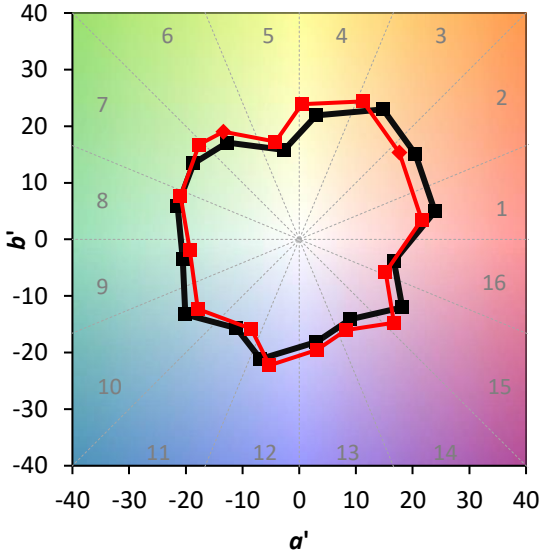
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

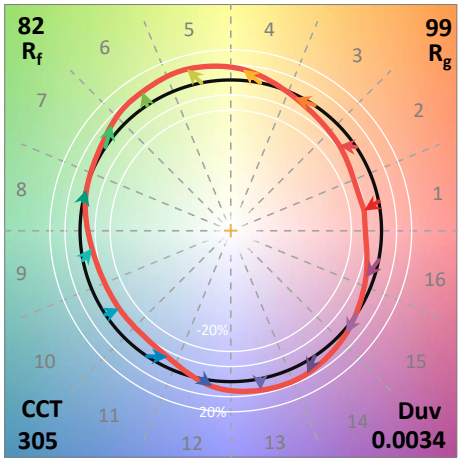
Spectral Power Distribution Comparison

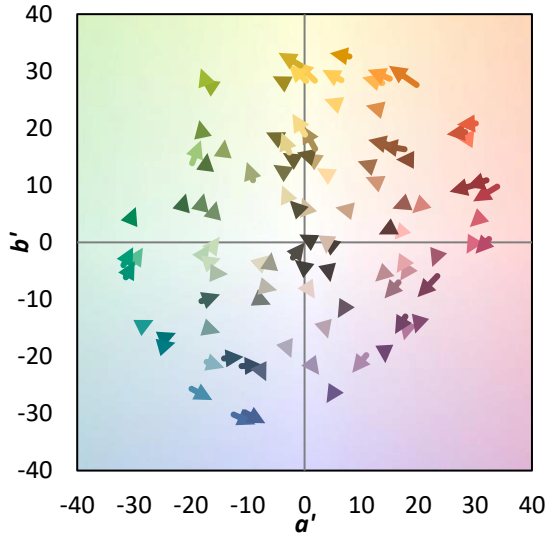


Color Vector Graphics







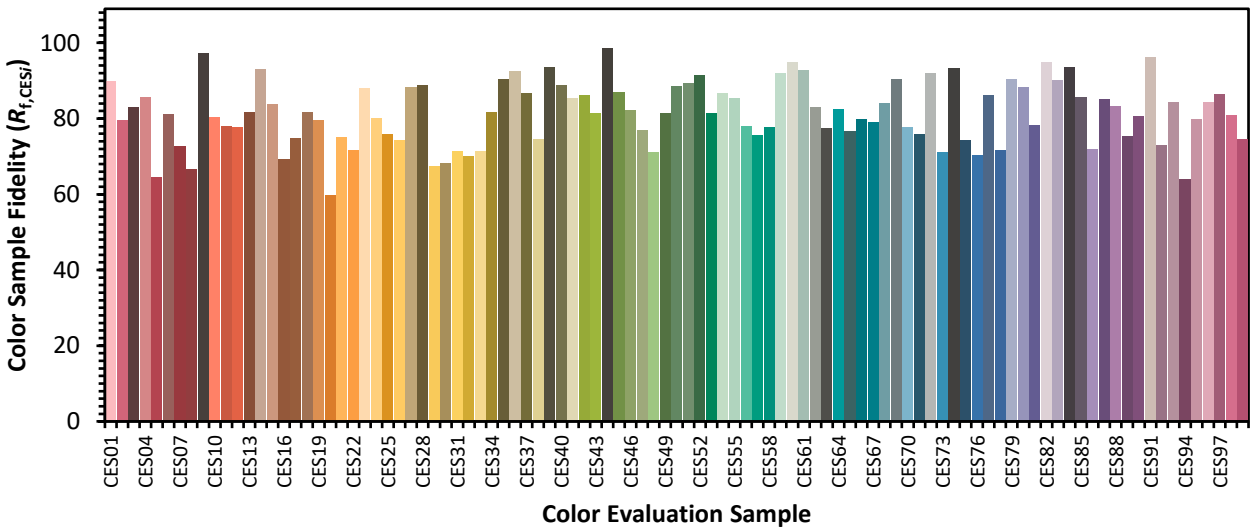


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

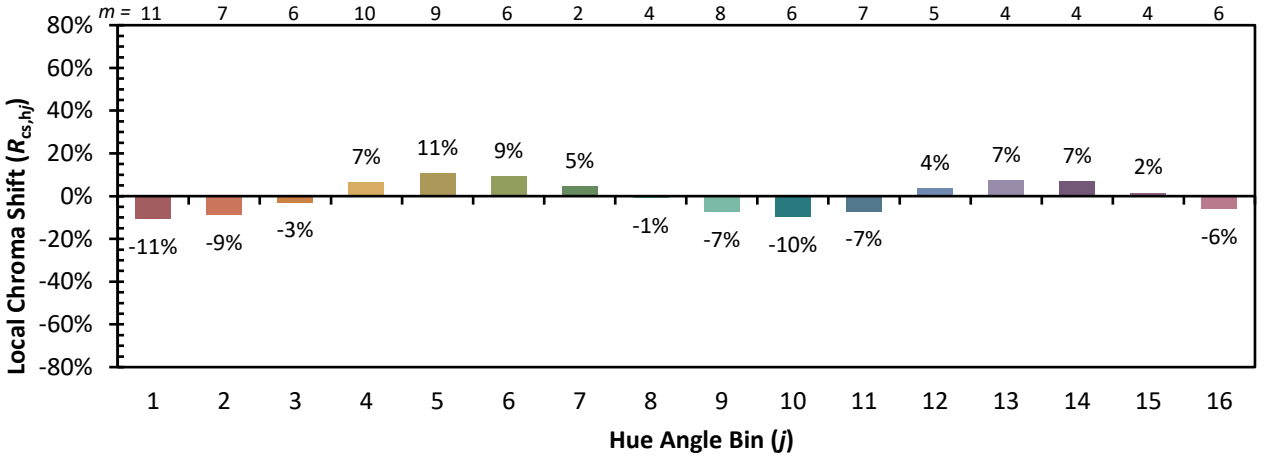
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

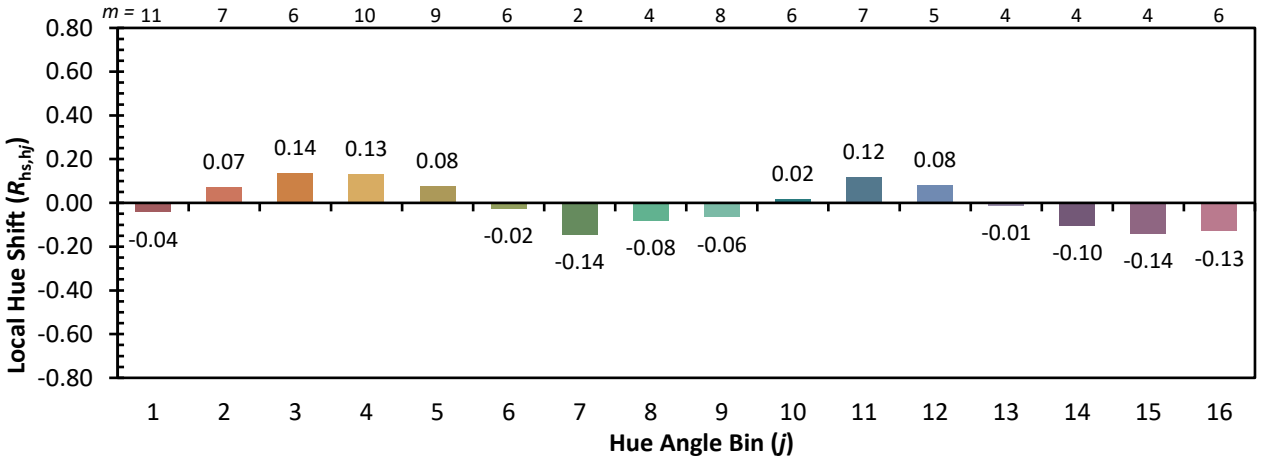


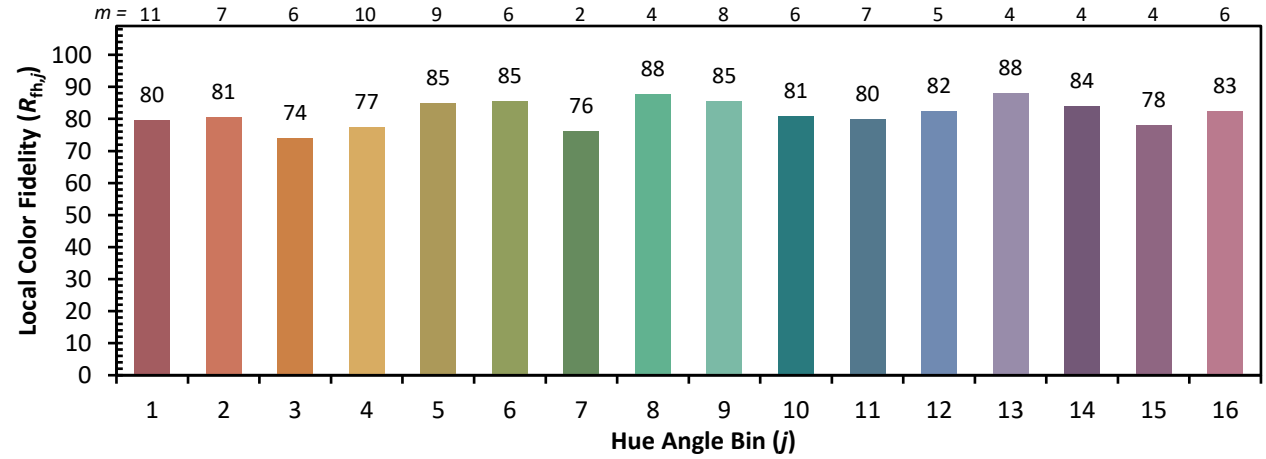
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



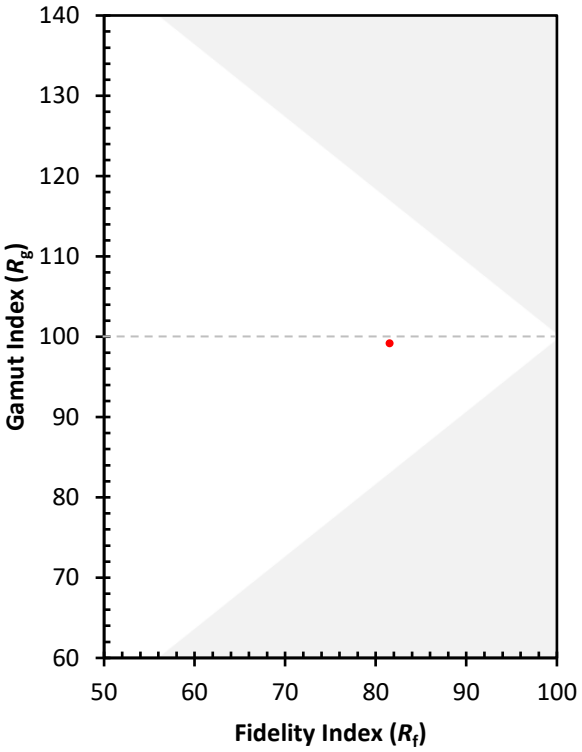


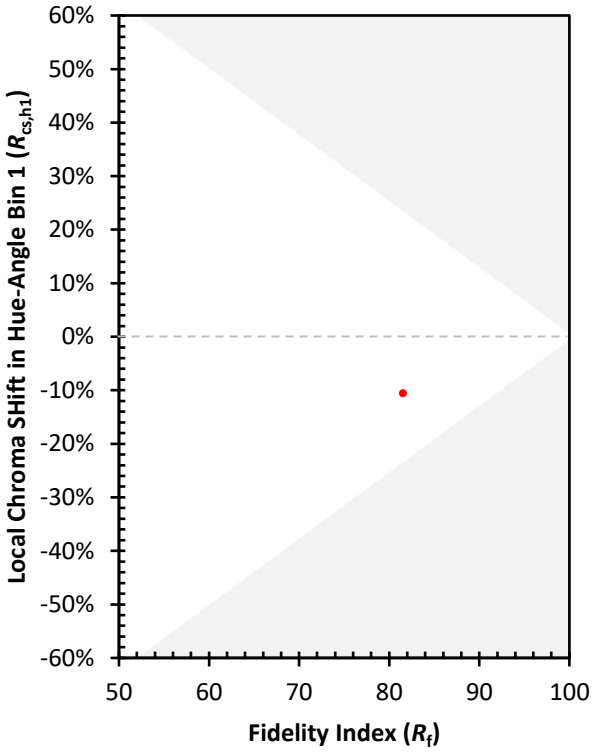


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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