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: P322406

Luminaire Tested: **GLEON-SA2C-830-U-T3-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:	P322406
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
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-T3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8380 lumens
Efficiency:	N/A
Efficacy:	74.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
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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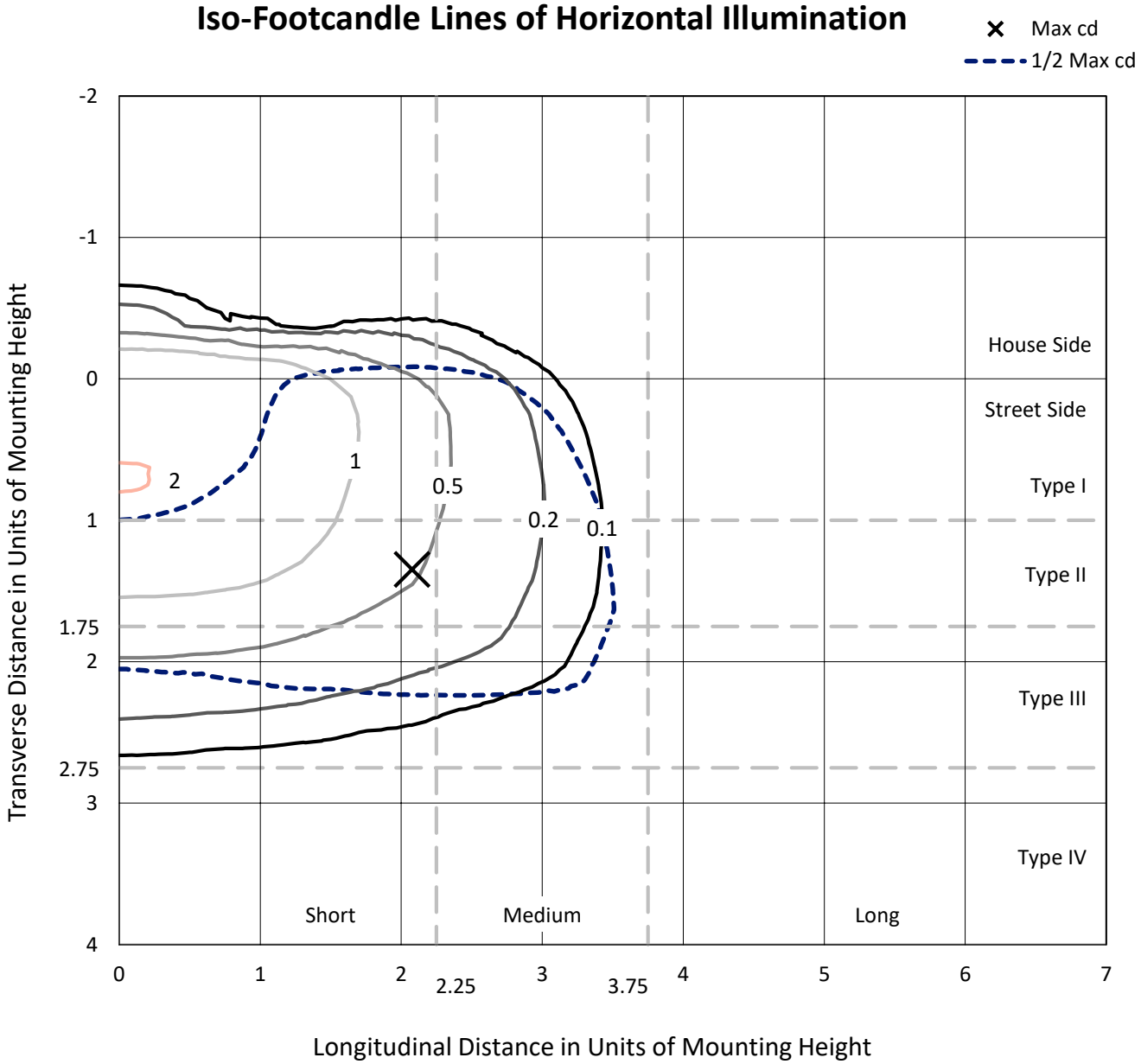
REPORT NUMBER: P322406
CATALOG NUMBER: GLEON-SA2C-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Short - N/A

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REPORT NUMBER: P322406
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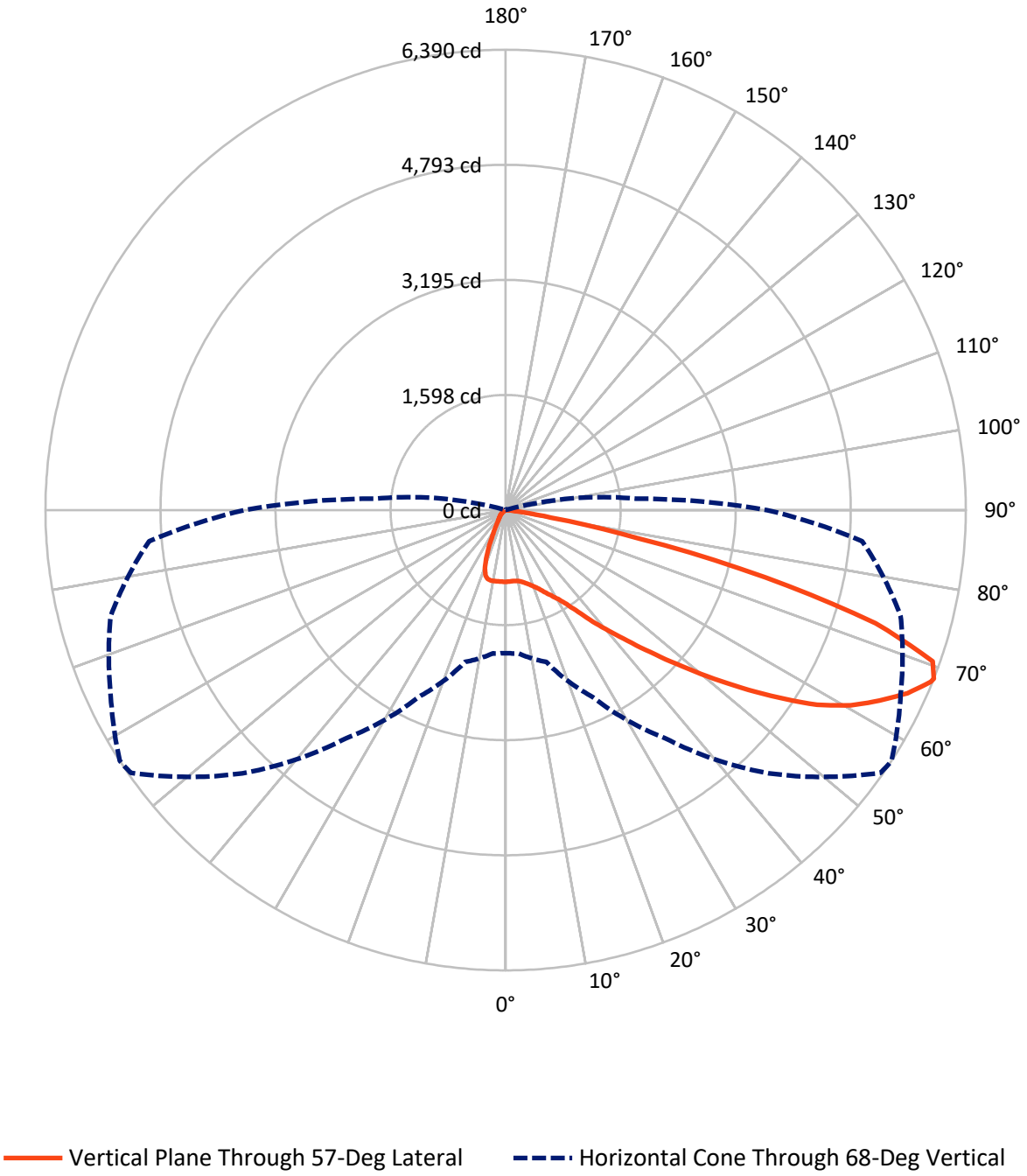
Luminous Intensity Polar Plot



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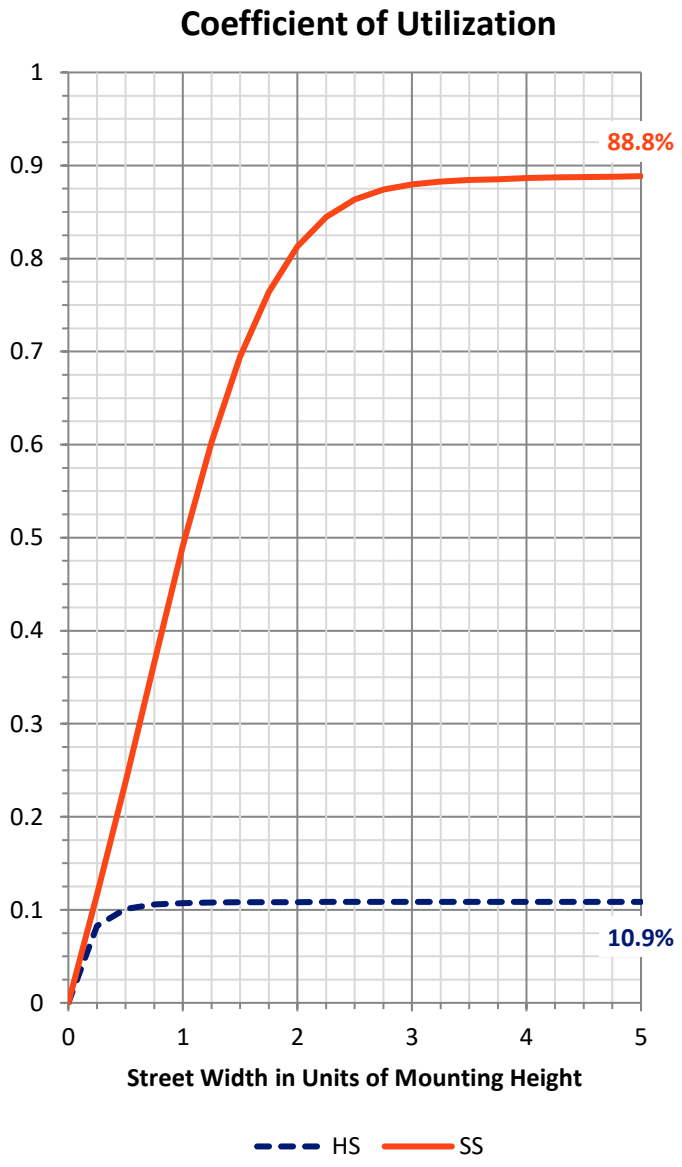
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	918.9	0.0	918.9
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	7461.1	0.0	7461.1
	% Fixture	89.0	0.0	89.0
Total	Lumens	8380.0	0.0	8380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	1.1
10°-20°	258.2	3.1
20°-30°	445.5	5.3
30°-40°	768.9	9.2
40°-50°	1315.2	15.7
50°-60°	2104.2	25.1
60°-70°	2431.1	29.0
70°-80°	929.0	11.1
80°-90°	34.8	0.4
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°	8380.0	100.0
0°-180°	8380.0	100.0



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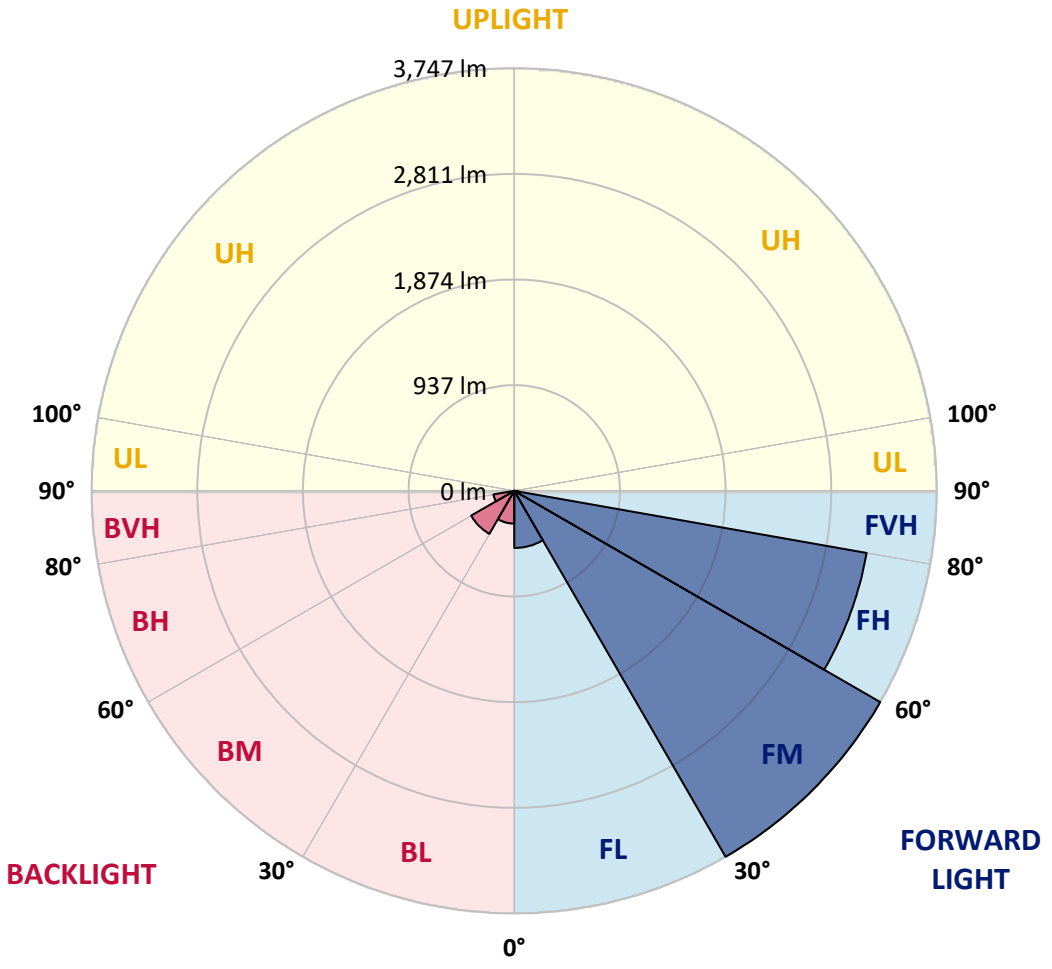
CATALOG NUMBER: GLEON-SA2C-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	506.5	6.0			
FM	(30°-60°)	3747.5	44.7			
FH	(60°-80°)	3172.9	37.9			G2/5000
FVH	(80°-90°)	34.2	0.4			G1/100
BL	(0°-30°)	290.4	3.5	B1/500		
BM	(30°-60°)	440.7	5.3	B1/1000		
BH	(60°-80°)	187.1	2.2	B1/500		G1/500
BVH	(80°-90°)	0.6	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 III Short



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REPORT NUMBER: P322406
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	995.8	995.8	995.8	995.8	995.8	995.8	995.8	*995.8*	995.8	995.8	995.8
2.5°	972.4	976.7	979.9	981.9	984.3	989.4	991.0	*993.4*	994.6	994.6	997.3
5°	934.0	938.7	945.4	951.0	962.1	976.3	986.7	*990.6*	997.7	1004.1	1007.7
7.5°	898.3	903.8	911.8	924.8	943.9	966.8	988.2	*993.8*	1007.7	1021.1	1027.9
10°	875.3	879.7	890.0	908.6	933.6	965.7	995.8	*1002.5*	1026.3	1048.9	1061.5
12.5°	867.4	871.3	882.0	903.0	934.0	971.6	1013.2	*1023.1*	1058.0	1090.9	1108.7
15°	878.9	879.7	891.2	911.0	941.5	986.3	1042.1	*1054.0*	1098.0	1140.8	1163.0
17.5°	923.3	919.7	925.6	934.3	958.5	1005.7	1072.6	*1090.5*	1149.1	1199.4	1220.4
20°	1034.2	1034.2	1020.7	997.0	997.3	1035.8	1113.8	*1134.1*	1205.8	1264.0	1283.0
22.5°	1224.0	1220.4	1193.5	1135.2	1081.8	1087.7	1164.2	*1190.3*	1273.9	1336.1	1342.5
25°	1452.2	1447.9	1406.3	1324.3	1231.5	1171.7	1232.3	*1262.4*	1355.2	1410.2	1397.2
27.5°	1693.9	1690.4	1649.2	1547.3	1415.4	1305.6	1313.6	*1342.1*	1438.0	1492.3	1450.7
30°	1928.1	1929.3	1888.5	1783.9	1634.5	1476.4	1416.6	*1433.2*	1518.4	1573.5	1514.1
32.5°	2150.8	2152.4	2117.1	2000.2	1860.8	1674.9	1559.2	*1554.9*	1611.9	1666.2	1598.1
35°	2349.3	2353.3	2329.1	2238.4	2090.6	1896.0	1744.3	*1734.0*	1744.7	1806.1	1726.8
37.5°	2540.7	2543.1	2524.9	2448.4	2324.8	2138.9	1978.1	*1963.4*	1940.4	1987.6	1896.8
40°	2750.3	2744.4	2723.4	2654.1	2547.9	2407.2	2229.3	*2203.9*	2163.9	2205.9	2120.3
42.5°	2945.3	2938.6	2942.1	2863.7	2774.1	2683.0	2522.1	*2478.5*	2455.1	2503.5	2394.5
45°	3189.0	3185.4	3197.3	3129.2	3056.6	2990.5	2857.7	*2810.2*	2799.9	2856.5	2726.2
47.5°	3429.5	3438.2	3475.1	3446.1	3416.8	3358.6	3213.2	*3191.8*	3198.1	3266.6	3076.1
50°	3630.0	3640.3	3741.3	3774.6	3817.0	3783.0	3637.1	*3624.1*	3649.0	3710.8	3452.5
52.5°	3775.0	3796.0	3921.6	4075.0	4229.5	4252.5	4107.1	*4095.2*	4128.9	4138.4	3743.3
55°	3875.7	3894.3	4036.6	4317.1	4631.7	4730.8	4640.4	*4594.5*	4588.1	4494.2	4049.2
57.5°	3893.5	3891.5	4096.0	4473.6	4947.1	5202.7	5145.6	*5100.5*	4970.5	4823.1	4399.9
60°	3792.9	3804.4	4041.7	4527.9	5145.2	5559.7	5564.1	*5505.4*	5303.0	5142.9	4739.9
62.5°	3483.0	3529.8	3769.5	4385.6	5142.9	5703.6	5870.8	*5826.0*	5583.9	5404.8	5084.6
65°	2980.6	2997.2	3225.8	3898.3	4795.4	5643.3	6147.0	*6130.3*	5837.1	5659.2	5261.7
67.5°	2176.6	2140.5	2380.6	3069.7	4059.9	5292.3	6345.1	*6366.1*	6032.4	5711.5	5073.1
68°	*1986.4*	*1997.1*	*2184.1*	*2864.9*	*3867.4*	*5168.2*	*6358.2*	*6390.3*	*6051.9*	*5677.4*	*4970.1*
70°	1184.0	1204.6	1371.4	1972.5	2942.1	4466.5	6217.1	*6290.4*	5936.2	5325.9	4298.9
72.5°	302.3	326.9	484.6	882.8	1680.5	3147.0	5248.3	*5372.3*	5154.0	4320.7	2902.1
75°	124.4	130.8	173.2	290.8	626.1	1417.8	3459.2	*3724.7*	3572.9	2586.7	1311.6
77.5°	86.0	90.3	111.3	161.3	271.0	480.6	1695.9	*1887.7*	1700.7	882.8	286.1
80°	61.8	65.4	79.6	107.4	155.7	171.6	552.8	*639.1*	507.6	193.8	70.9
82.5°	36.9	39.6	59.4	76.5	94.7	82.0	137.5	*156.1*	147.0	96.3	31.7
85°	18.2	21.4	40.0	54.7	51.1	34.5	42.0	*46.8*	57.9	58.6	17.0
87.5°	1.2	2.4	23.4	32.9	14.3	7.9	12.3	*15.1*	20.6	28.9	7.1
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: P322406
CATALOG NUMBER: GLEON-SA2C-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	995.8	995.8	995.8	995.8	995.8	995.8	995.8	995.8	995.8	995.8	995.8
2.5°	998.5	998.9	996.2	995.0	995.8	991.0	989.0	989.8	989.8	991.0	989.0
5°	1008.4	1008.4	1003.7	997.3	993.8	984.7	978.7	977.1	976.0	975.2	973.6
7.5°	1029.8	1027.5	1019.1	1005.3	993.4	973.6	958.5	950.6	946.6	945.0	943.9
10°	1064.3	1060.0	1046.1	1020.3	993.0	957.7	924.8	901.5	882.0	874.1	869.4
12.5°	1110.7	1104.3	1081.0	1038.2	990.2	925.2	853.9	785.4	721.6	695.4	682.3
15°	1164.2	1155.1	1118.2	1053.2	974.0	851.9	697.0	576.9	488.6	455.3	441.0
17.5°	1218.5	1206.6	1150.7	1062.7	925.2	700.2	489.0	369.3	310.3	294.4	288.9
20°	1273.1	1255.7	1178.8	1055.6	815.1	504.8	322.5	269.8	252.8	248.0	246.5
22.5°	1325.0	1298.1	1204.2	1027.9	645.5	338.8	255.2	238.5	233.0	230.2	229.4
25°	1370.2	1332.6	1226.4	942.3	456.9	256.0	229.8	224.3	217.1	212.0	212.4
27.5°	1412.6	1367.0	1239.9	801.2	304.7	218.7	212.8	205.3	192.2	184.7	184.7
30°	1463.7	1413.0	1249.8	616.6	224.3	193.4	188.6	177.1	159.3	149.4	149.4
32.5°	1540.6	1482.8	1243.4	432.7	185.8	170.0	158.9	143.0	123.6	114.1	113.7
35°	1658.3	1590.5	1198.2	283.7	164.0	147.8	130.0	110.6	93.5	85.6	85.2
37.5°	1816.8	1734.8	1096.8	202.9	147.0	127.2	105.8	84.4	71.7	66.6	66.2
40°	2022.4	1902.4	951.8	164.4	131.2	107.4	81.6	65.4	56.7	52.7	53.1
42.5°	2269.3	2081.9	777.8	141.9	115.7	88.4	63.8	51.5	46.0	43.2	42.4
45°	2543.5	2259.0	595.6	126.4	100.3	71.3	49.9	40.8	36.5	34.9	34.9
47.5°	2845.0	2431.4	435.9	112.9	83.6	55.1	40.0	33.3	29.7	28.5	28.1
50°	3118.8	2551.0	314.2	98.7	68.6	43.6	32.5	27.7	25.4	23.8	23.8
52.5°	3347.1	2588.7	231.4	83.2	55.5	34.9	26.9	23.8	21.4	20.2	20.2
55°	3548.0	2573.2	172.0	68.6	44.8	28.5	23.0	20.2	18.2	17.0	17.0
57.5°	3740.6	2523.3	128.4	55.9	36.1	23.0	19.4	17.0	15.1	14.3	14.3
60°	3897.9	2440.1	95.5	45.2	28.9	18.6	16.2	13.9	12.3	11.1	11.1
62.5°	4025.5	2348.2	70.1	37.2	23.0	14.7	12.7	11.5	9.1	7.9	7.9
65°	4026.3	2195.6	52.7	30.9	17.8	11.5	9.5	9.1	5.9	4.8	4.4
67.5°	3735.0	1892.9	40.4	26.5	13.9	8.7	7.1	7.5	3.2	2.0	1.6
68°	*3629.2*	*1816.0*	*38.0*	*26.2*	*13.1*	*8.3*	*6.7*	*7.5*	*2.8*	*1.6*	*1.2*
70°	3059.8	1444.7	30.5	25.4	11.5	6.3	5.5	7.5	2.4	1.2	0.8
72.5°	1957.1	838.5	22.6	20.2	8.7	4.8	3.6	6.7	2.4	0.8	0.4
75°	832.9	259.9	15.5	14.3	5.2	3.6	2.4	4.4	1.6	0.4	0.0
77.5°	175.5	58.6	9.1	8.7	3.6	2.4	1.6	1.2	0.4	0.0	0.0
80°	45.2	17.0	4.8	4.4	2.0	1.2	0.8	0.0	0.0	0.0	0.0
82.5°	14.3	6.7	2.8	2.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.1	4.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	1.2	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

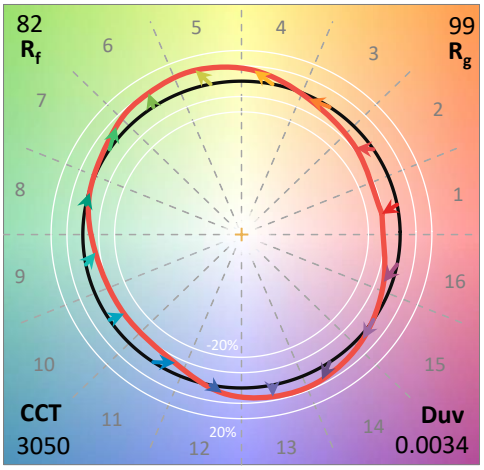
Test Information

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

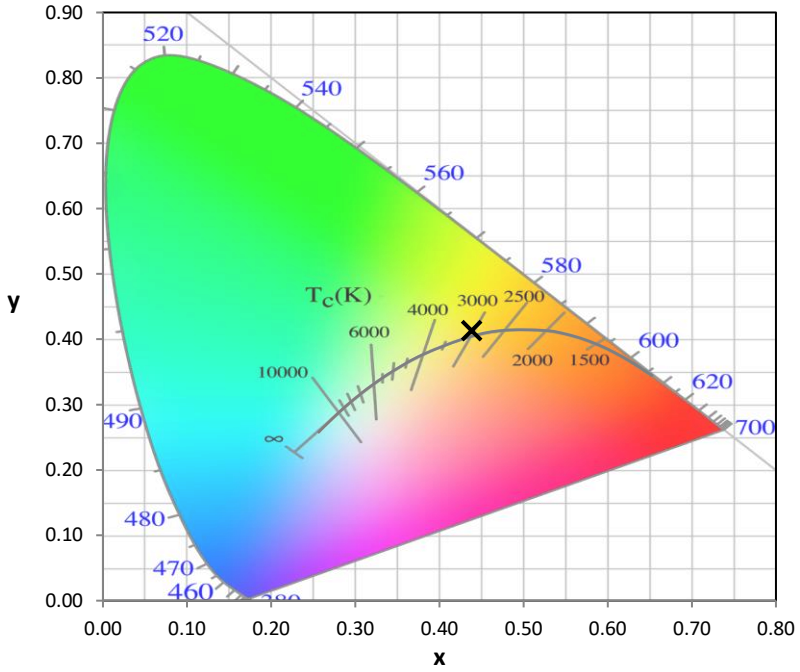
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

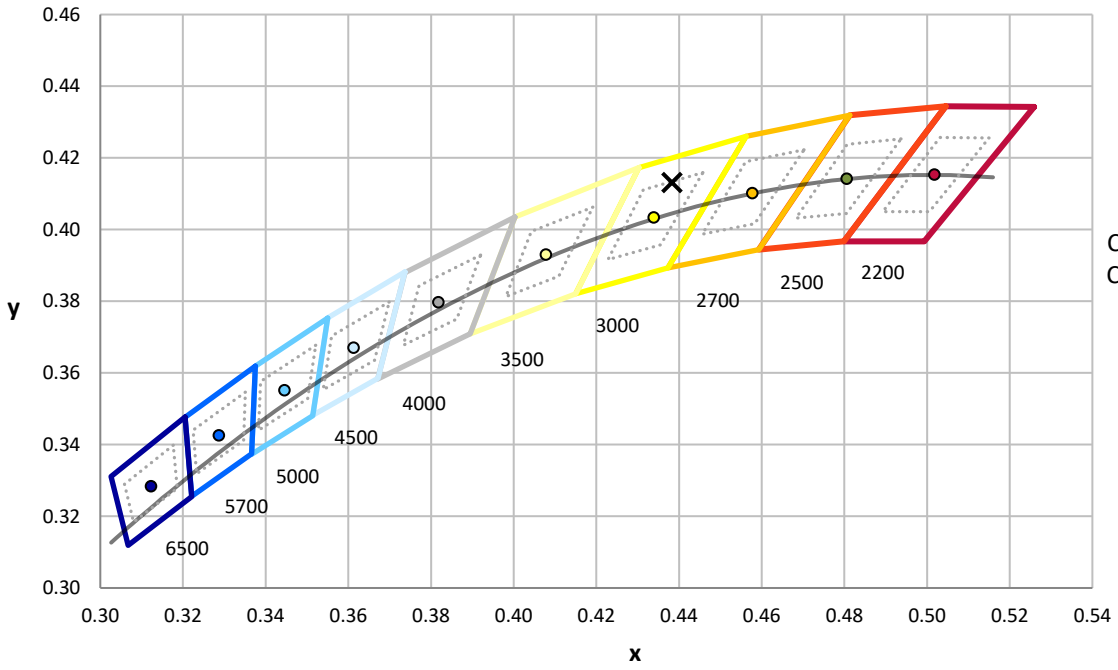
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

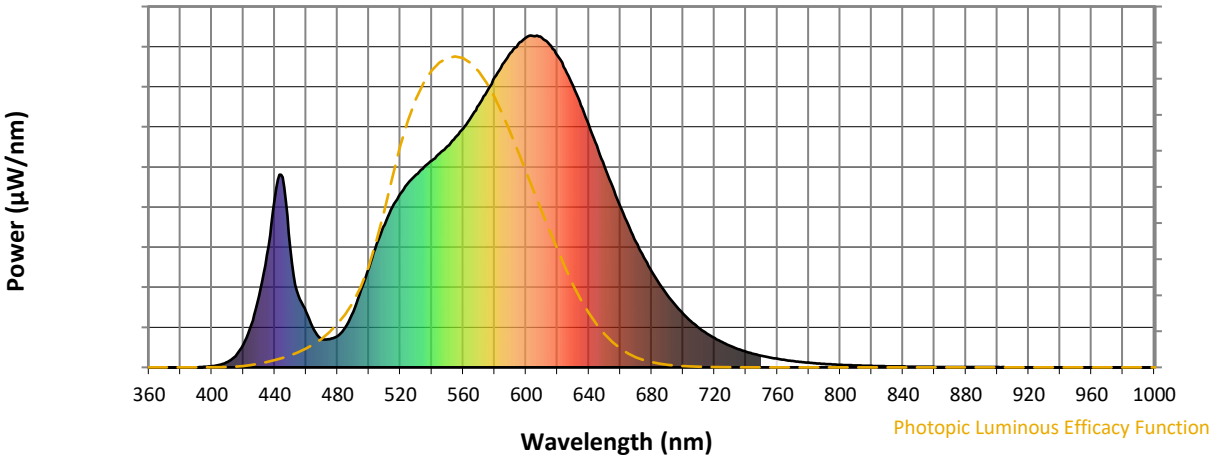


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

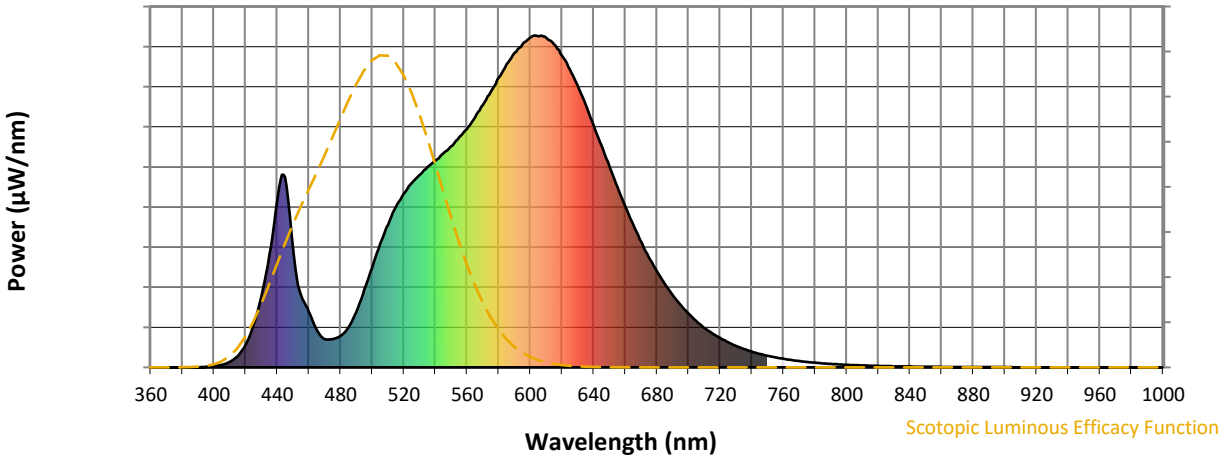


Photopic Lumens: NR

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

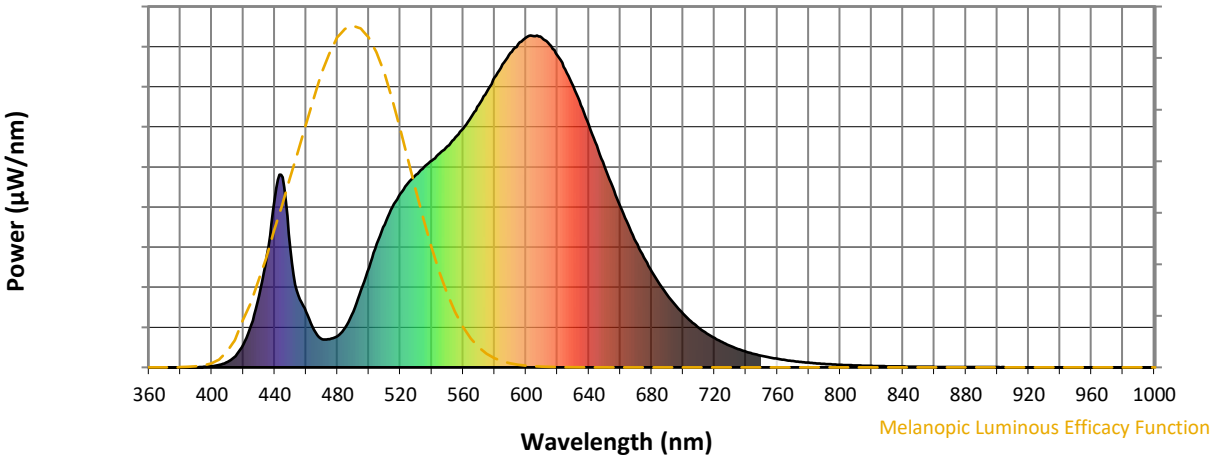


Scotopic Lumens: NR **S/P: 1.27**

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			

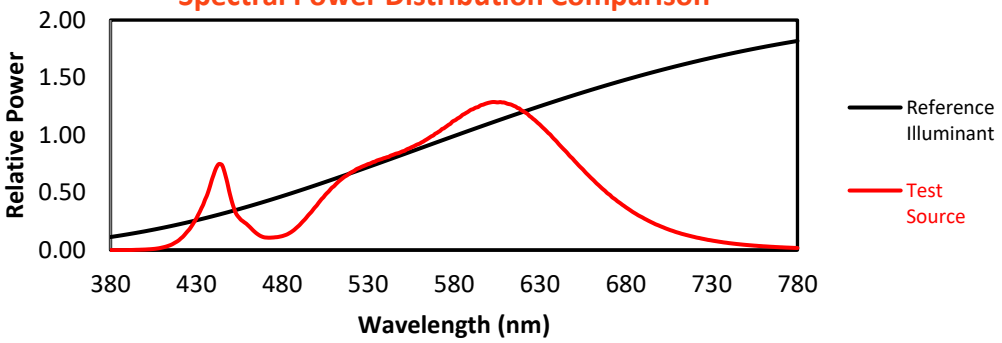
REPORT NUMBER: SP1-2408-195-9

TM-30-18

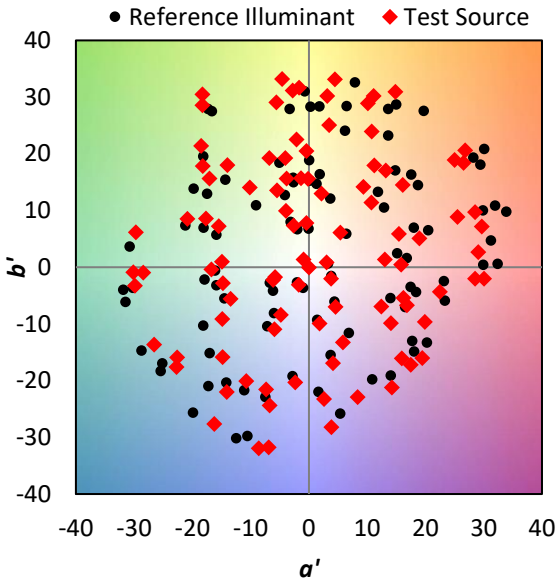
Summary

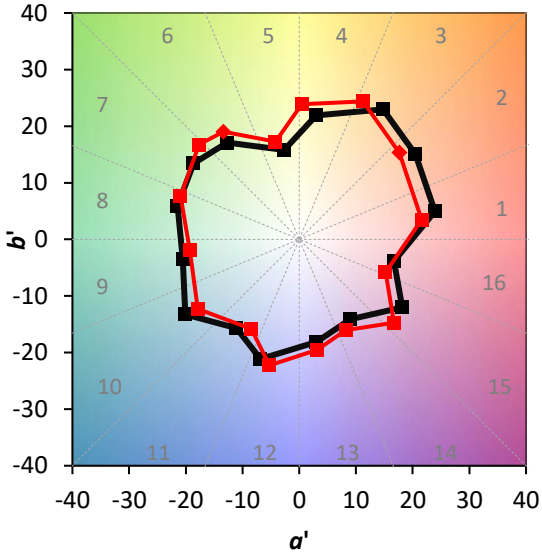
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

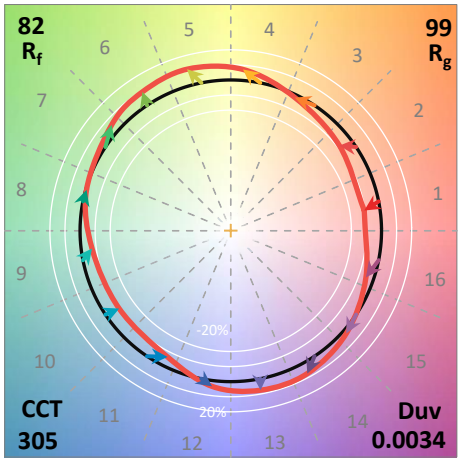
Spectral Power Distribution Comparison

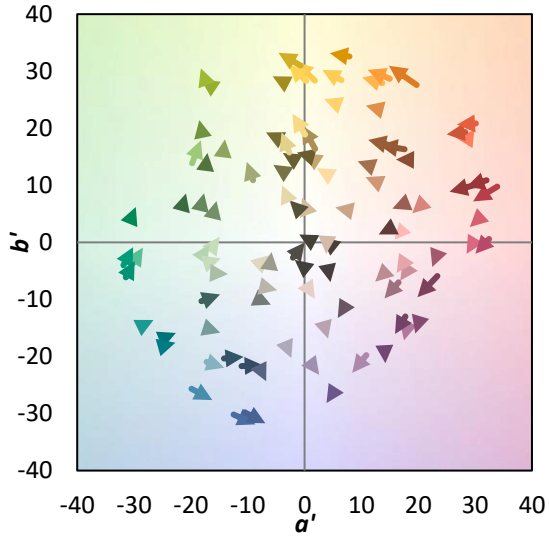


Color Vector Graphics







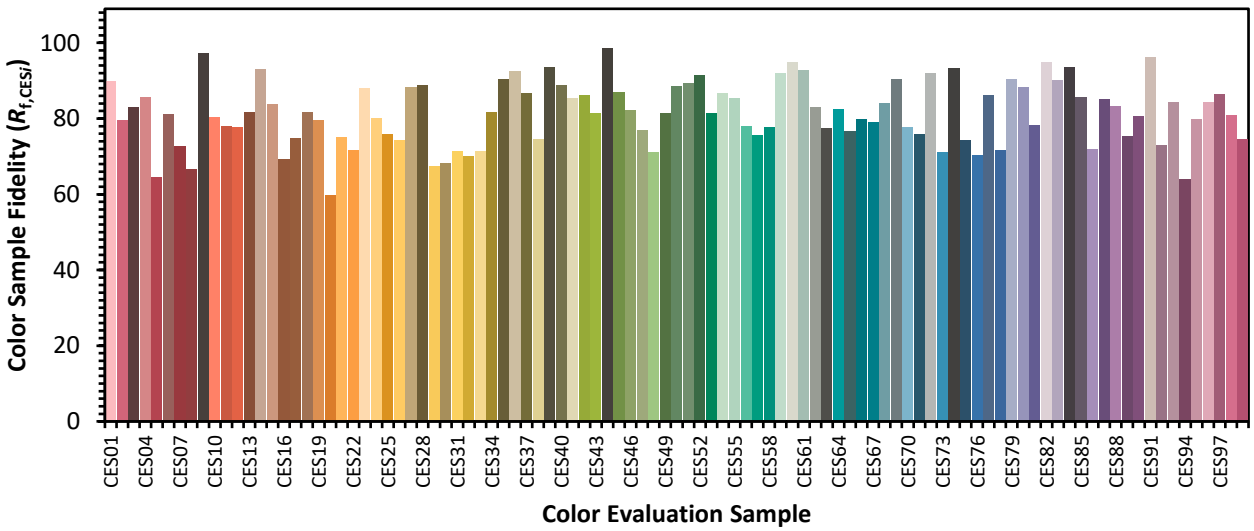


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

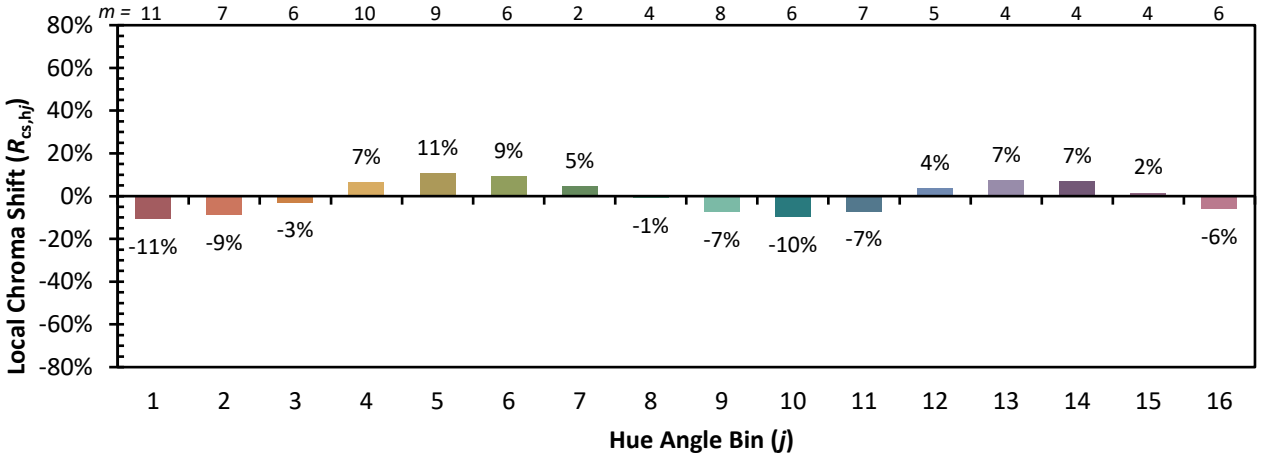
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

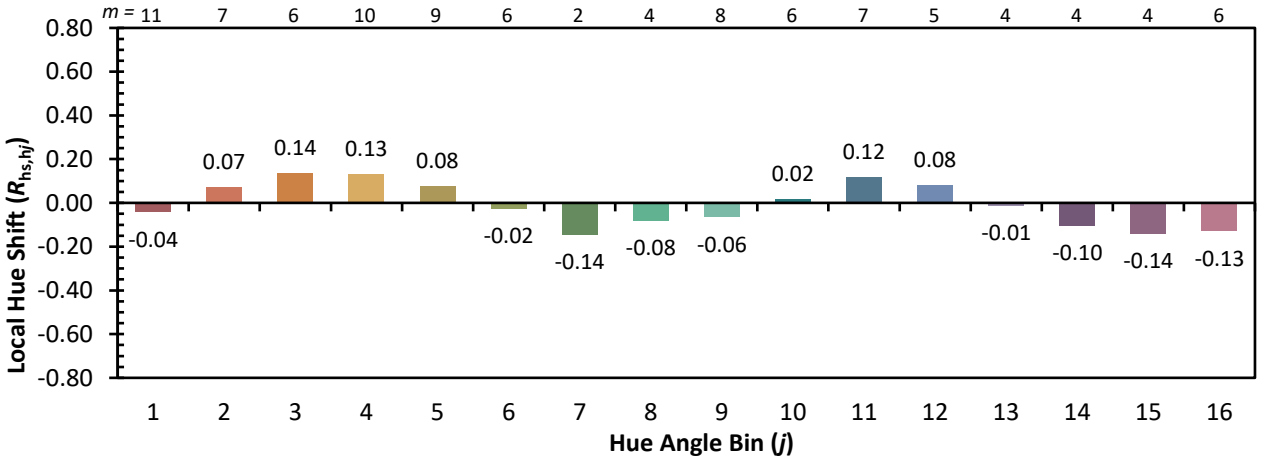


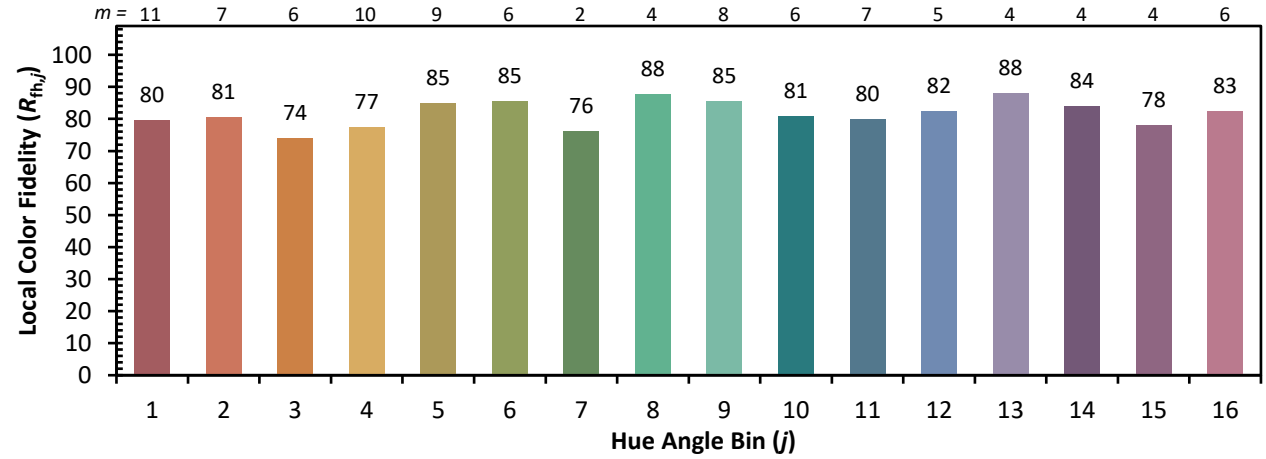
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



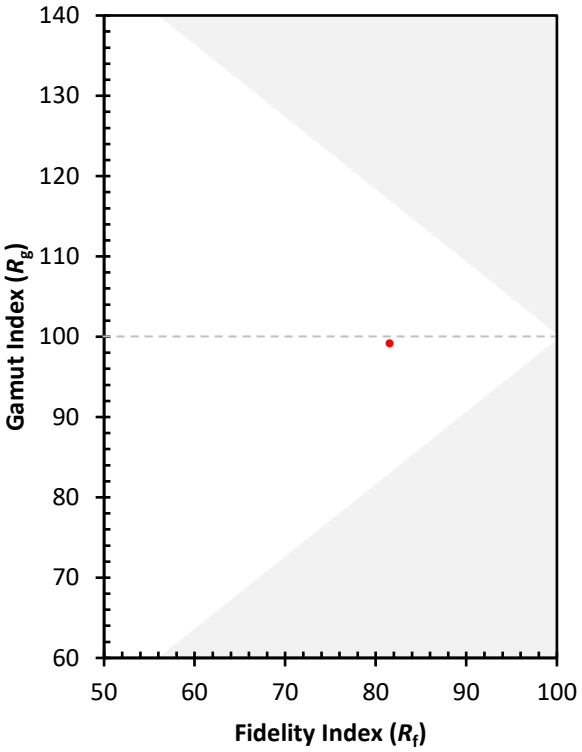


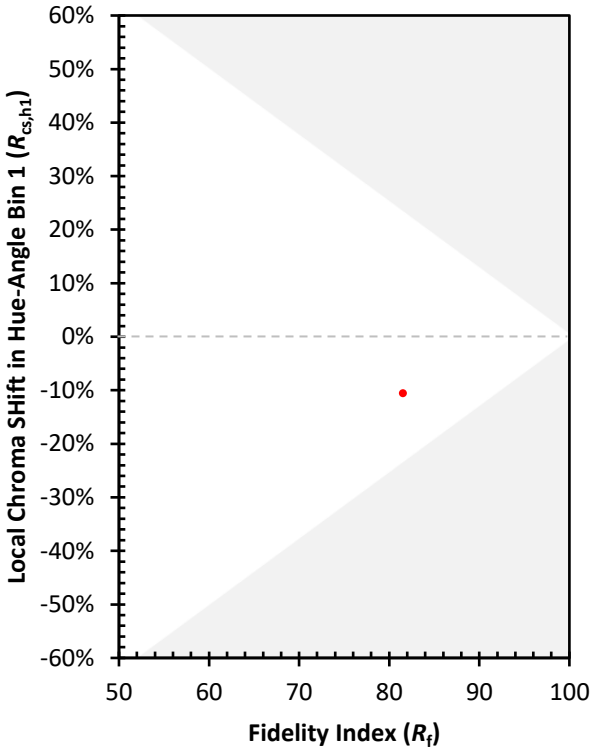


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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