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: P322102

Luminaire Tested: **GLEON-SA8D-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:	P322102
	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-SA8D-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1200mA 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:	35153 lumens
Efficiency:	N/A
Efficacy:	68.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G5

Input Watts (W):	511
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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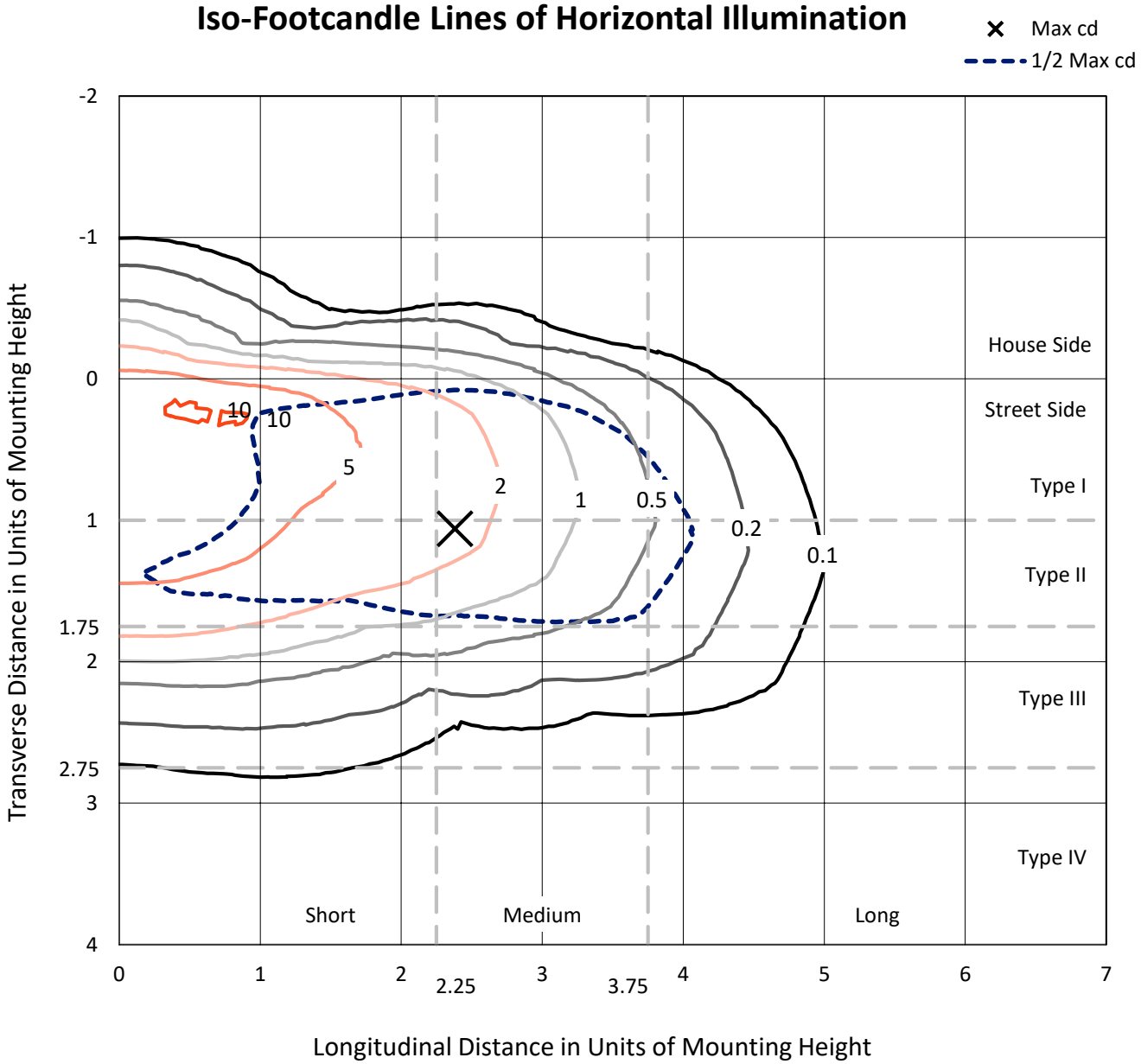
Scaled Data Report

REPORT NUMBER: P322102
CATALOG NUMBER: GLEON-SA8D-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
Type II - Medium - N/A

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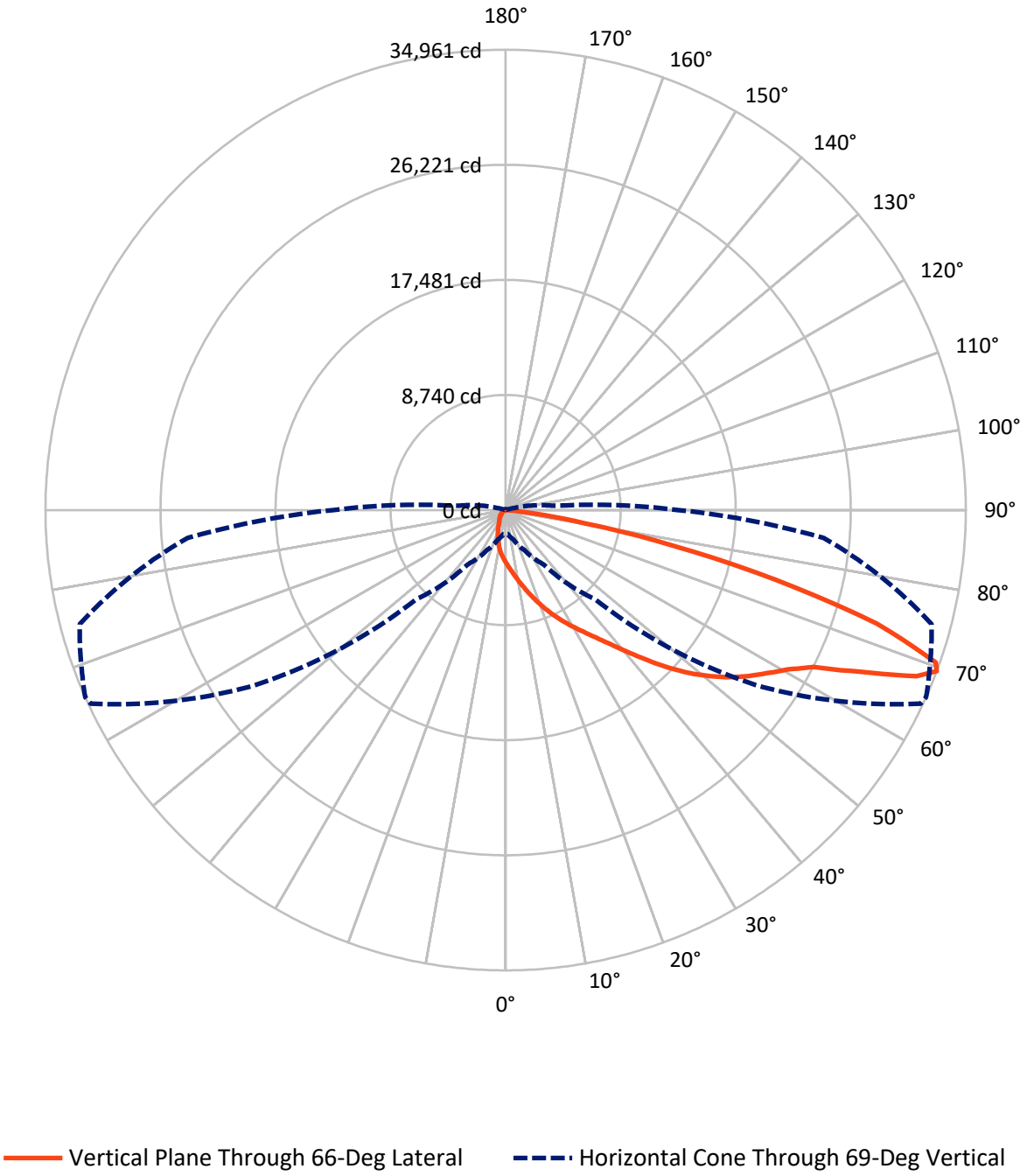
Luminous Intensity Polar Plot



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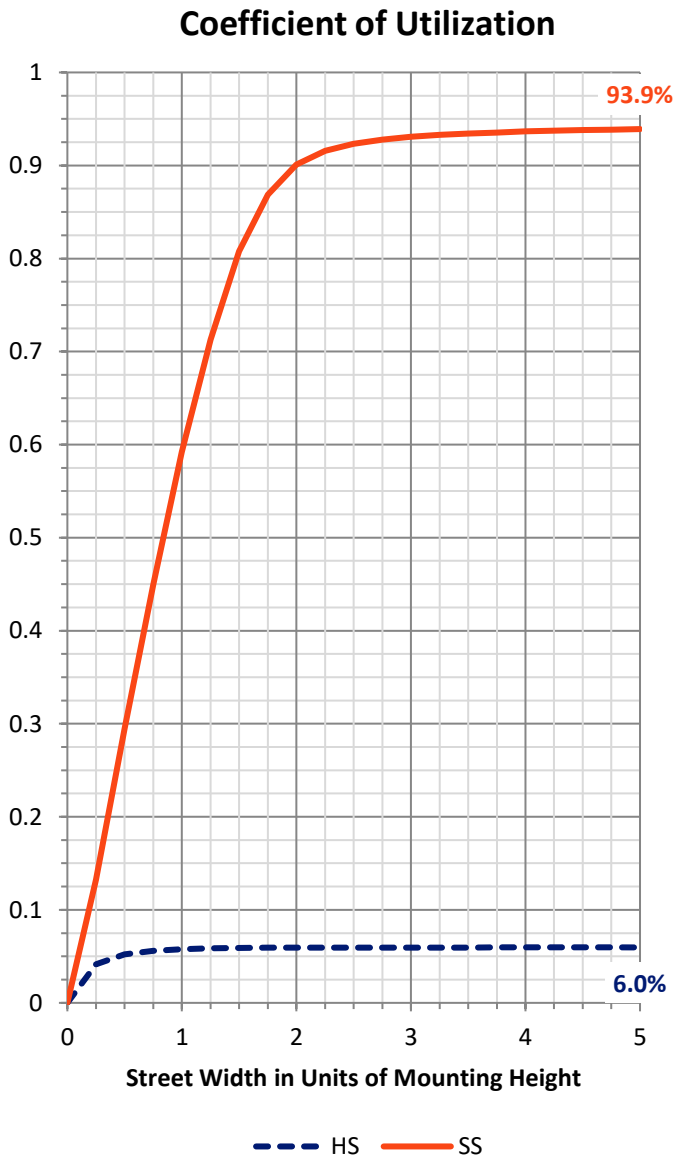
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2108.7	0.0	2108.7
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	33044.3	0.0	33044.3
	% Fixture	94.0	0.0	94.0
Total	Lumens	35153.0	0.0	35153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.7	1.1
10°-20°	1150.9	3.3
20°-30°	2004.1	5.7
30°-40°	3516.3	10.0
40°-50°	5885.7	16.7
50°-60°	8651.4	24.6
60°-70°	8882.8	25.3
70°-80°	4385.2	12.5
80°-90°	289.9	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°	35153.0	100.0
0°-180°	35153.0	100.0



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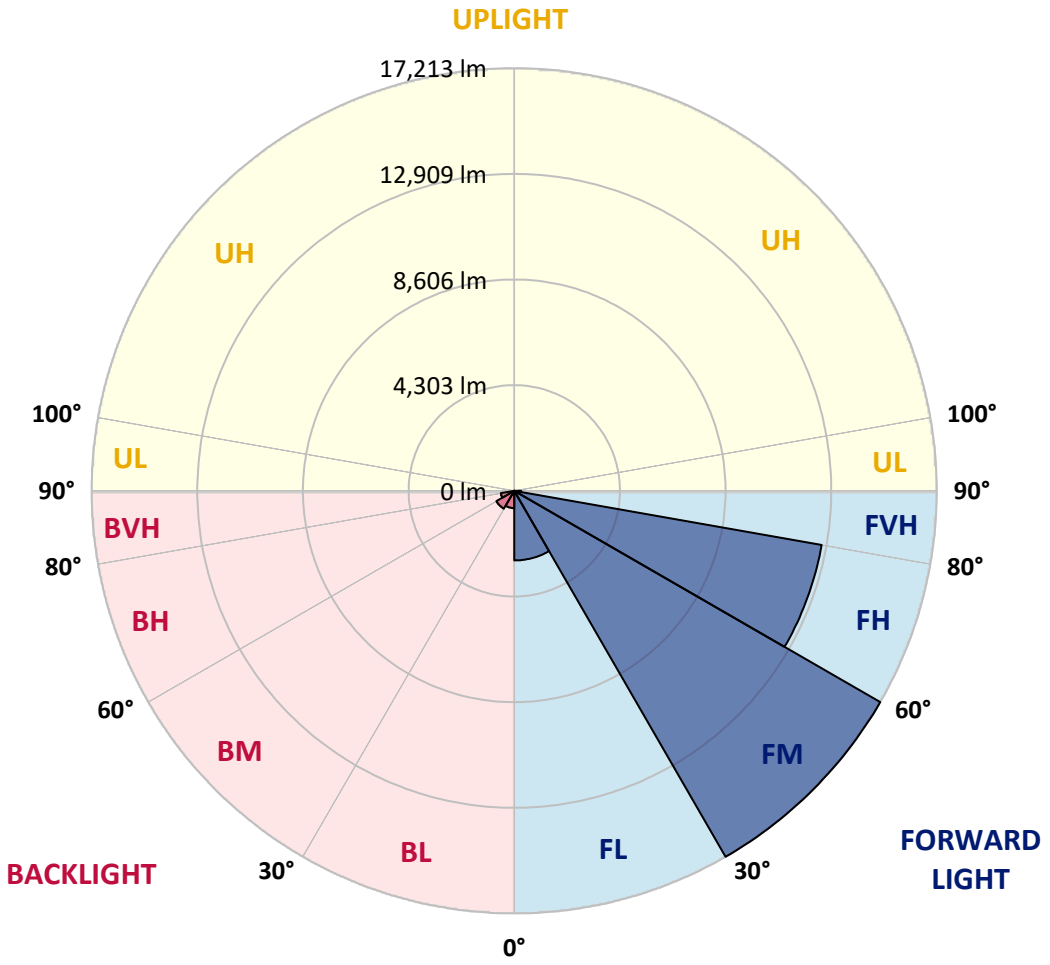
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2836.5	8.1			
FM	(30°-60°)	17212.6	49.0			
FH	(60°-80°)	12712.3	36.2			G5
FVH	(80°-90°)	282.9	0.8			G3/500
BL	(0°-30°)	705.2	2.0	B2/1000		
BM	(30°-60°)	840.7	2.4	B1/1000		
BH	(60°-80°)	555.7	1.6	B2/1000		G2/1000
BVH	(80°-90°)	7.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
Type II Medium



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REPORT NUMBER: P322102
CATALOG NUMBER: GLEON-SA8D-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5	*4000.5*	4000.5	4000.5
2.5°	4708.5	4688.4	4680.1	4643.3	4579.9	4531.5	4438.0	4329.4	*4309.4*	4204.2	4075.7
5°	5319.6	5302.9	5291.2	5239.4	5174.3	5052.4	4882.1	4680.1	*4641.7*	4441.3	4184.2
7.5°	5745.3	5775.4	5775.4	5742.0	5660.2	5568.3	5359.6	5084.1	*5035.7*	4728.5	4329.4
10°	5994.1	6030.8	6059.2	6087.6	6075.9	6039.2	5842.2	5531.6	*5473.2*	5065.8	4498.1
12.5°	6017.5	6054.2	6134.4	6252.9	6368.1	6451.6	6328.0	6027.5	*5960.7*	5456.5	4698.4
15°	5887.2	5925.7	6049.2	6279.6	6558.5	6802.2	6842.3	6576.8	*6508.4*	5922.3	4948.9
17.5°	5660.2	5685.2	5862.2	6181.1	6618.6	7066.0	7308.1	7166.2	*7102.8*	6454.9	5227.7
20°	5491.5	5509.9	5665.2	6007.5	6581.8	7231.3	7748.9	7792.3	*7725.6*	7026.0	5529.9
22.5°	5780.4	5813.8	5818.8	5980.8	6481.7	7313.1	8136.3	8408.4	*8358.4*	7632.1	5827.1
25°	6570.1	6608.5	6481.7	6381.5	6566.8	7349.9	8468.6	9039.6	*8999.5*	8284.9	6126.0
27.5°	7613.7	7653.8	7490.1	7191.3	7012.6	7488.5	8764.1	9680.7	*9679.1*	8976.1	6448.3
30°	8638.9	8678.9	8512.0	8213.1	7802.4	7880.8	9019.5	10351.9	*10362.0*	9689.1	6790.5
32.5°	9714.1	9764.2	9592.2	9208.2	8779.1	8558.7	9378.5	11026.5	*11083.3*	10515.6	7176.2
35°	10936.3	10943.0	10700.9	10298.5	9804.3	9465.3	9954.6	11782.8	*11918.1*	11539.1	7665.4
37.5°	12135.1	12183.6	11984.9	11350.4	10896.3	10512.2	10811.1	12727.9	*12919.9*	12789.7	8304.9
40°	13023.4	13125.3	13096.9	12412.3	11981.5	11707.7	11874.7	13851.6	*14095.3*	14245.6	9111.4
42.5°	13581.1	13657.9	13788.1	13375.7	12985.0	13030.1	13130.3	15160.6	*15461.1*	15905.3	10038.0
45°	14220.6	14257.3	14365.8	14183.8	13920.0	14374.2	14462.7	16634.9	*16950.5*	17690.1	11066.6
47.5°	15002.0	15088.8	15118.8	14951.9	14831.7	15563.0	15746.6	17975.6	*18418.1*	19601.9	12155.2
50°	15997.1	16020.5	16072.2	15963.7	15843.5	16584.8	16898.7	19383.2	*19785.6*	21520.3	13228.8
52.5°	16970.5	17054.0	17234.3	17165.9	17117.4	17454.7	17925.6	20652.1	*21101.3*	23119.9	14300.7
55°	17251.0	17322.8	17945.6	18371.4	18765.4	18526.6	18907.3	21789.2	*22275.0*	24549.1	15332.6
57.5°	16130.7	16275.9	17354.5	18463.2	20097.8	20193.0	20256.4	22956.3	*23392.0*	25644.4	16406.2
60°	13298.9	13327.3	15097.1	16998.9	19877.4	21647.2	22226.6	24210.2	*24575.8*	26664.6	17691.8
62.5°	8458.5	8747.4	10689.2	13374.0	17546.5	21436.9	24609.2	26106.9	*26240.5*	27888.5	19535.1
65°	4028.9	4215.9	5615.1	8263.2	12709.5	18743.7	26253.9	29538.1	*29598.2*	30314.5	21997.9
67.5°	2230.7	2320.8	2987.0	4448.0	7430.0	13255.5	25589.3	33602.1	*33658.8*	32792.3	24158.4
69°	*1744.8*	*1821.6*	*2345.9*	*3352.7*	*5037.4*	*9527.1*	*23156.6*	*34792.5*	*34961.2*	*33501.9*	*24235.2*
70°	1481.0	1556.1	2020.3	2831.8	4050.6	7361.6	20612.1	34497.0	*34675.7*	33435.1	23662.5
72.5°	906.6	950.0	1345.8	1993.6	2714.9	3703.3	12711.2	29174.1	*29476.3*	30670.1	20336.6
75°	611.1	634.5	841.5	1375.8	1941.8	1906.8	6603.5	20563.6	*21218.1*	23857.9	15020.3
77.5°	437.5	459.2	564.3	889.9	1360.8	1258.9	2990.4	12779.6	*12919.9*	14309.1	8191.4
80°	248.8	268.8	399.1	529.3	923.3	839.8	1188.8	6104.3	*6174.4*	6136.0	2734.9
82.5°	130.2	146.9	218.7	349.0	592.7	549.3	494.2	2043.7	*2053.7*	1708.1	599.4
85°	25.0	30.1	108.5	238.8	305.5	238.8	202.0	479.2	*489.2*	432.4	148.6
87.5°	0.0	1.7	43.4	53.4	60.1	61.8	65.1	93.5	*100.2*	135.2	40.1
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: P322102
CATALOG NUMBER: GLEON-SA8D-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5	4000.5
2.5°	4018.9	3958.8	3843.6	3710.0	3606.5	3504.6	3424.5	3341.0	3311.0	3295.9	3294.3
5°	4059.0	3932.1	3688.3	3437.8	3232.5	3038.8	2900.2	2768.3	2706.5	2678.1	2666.5
7.5°	4125.7	3922.0	3529.7	3147.3	2851.8	2609.7	2417.7	2274.1	2202.3	2172.2	2160.6
10°	4204.2	3908.7	3344.3	2840.1	2462.8	2212.3	2022.0	1880.0	1801.6	1768.2	1751.5
12.5°	4296.1	3885.3	3130.6	2529.5	2130.5	1880.0	1649.6	1474.3	1384.2	1345.8	1327.4
15°	4409.6	3861.9	2906.9	2237.4	1838.3	1532.8	1280.6	1162.1	1143.7	1137.0	1138.7
17.5°	4521.5	3825.2	2663.1	1948.5	1531.1	1197.2	1068.6	1061.9	1065.2	1065.2	1065.2
20°	4621.6	3741.7	2397.6	1701.4	1238.9	1010.1	983.4	971.7	963.4	956.7	948.4
22.5°	4700.1	3629.9	2142.2	1456.0	1011.8	925.0	883.3	846.5	816.5	796.4	786.4
25°	4753.5	3481.3	1908.4	1220.5	910.0	841.5	766.4	704.6	657.8	629.5	617.8
27.5°	4793.6	3321.0	1699.7	1021.8	839.8	744.7	646.2	572.7	524.3	499.2	489.2
30°	4822.0	3139.0	1516.1	898.3	761.4	642.8	537.6	465.8	430.8	417.4	410.7
32.5°	4848.7	2936.9	1342.4	839.8	687.9	549.3	450.8	395.7	374.0	357.3	352.3
35°	4915.5	2749.9	1177.1	778.1	612.8	469.2	387.4	347.3	325.6	315.6	312.2
37.5°	5074.1	2611.4	1018.5	714.6	537.6	405.7	338.9	310.6	290.5	280.5	277.2
40°	5329.6	2541.2	884.9	646.2	464.2	357.3	307.2	280.5	258.8	243.8	240.4
42.5°	5705.3	2551.3	791.4	577.7	405.7	318.9	277.2	245.4	222.1	208.7	205.4
45°	6161.1	2624.7	726.3	510.9	357.3	288.9	243.8	210.4	188.7	177.0	173.6
47.5°	6655.3	2743.3	672.9	450.8	318.9	260.5	210.4	175.3	156.9	146.9	145.3
50°	7176.2	2858.5	617.8	392.4	285.5	232.1	177.0	145.3	130.2	121.9	118.5
52.5°	7703.8	2992.0	567.7	338.9	257.1	198.7	146.9	118.5	106.9	100.2	96.8
55°	8271.5	3092.2	519.3	297.2	228.7	168.6	121.9	98.5	88.5	80.1	78.5
57.5°	8939.4	3247.5	469.2	257.1	195.4	140.3	100.2	78.5	70.1	61.8	60.1
60°	9841.0	3429.5	415.7	227.1	160.3	115.2	81.8	63.4	53.4	46.8	45.1
62.5°	11029.8	3631.5	349.0	198.7	130.2	93.5	65.1	50.1	38.4	30.1	30.1
65°	12537.5	3960.5	285.5	167.0	106.9	76.8	50.1	36.7	21.7	13.4	13.4
67.5°	13417.5	4017.2	230.4	136.9	86.8	65.1	41.7	25.0	6.7	1.7	0.0
69°	*13135.3*	*3688.3*	*195.4*	*116.9*	*75.1*	*61.8*	*38.4*	*18.4*	*3.3*	*0.0*	*0.0*
70°	12604.3	3372.7	172.0	103.5	68.5	58.4	36.7	13.4	3.3	0.0	0.0
72.5°	10415.4	2401.0	130.2	76.8	50.1	51.8	33.4	8.3	3.3	0.0	0.0
75°	7587.0	1459.3	93.5	53.4	31.7	38.4	23.4	3.3	1.7	0.0	0.0
77.5°	4220.9	687.9	58.4	30.1	20.0	23.4	11.7	0.0	0.0	0.0	0.0
80°	1370.8	187.0	26.7	16.7	11.7	13.4	5.0	0.0	0.0	0.0	0.0
82.5°	253.8	53.4	15.0	8.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
85°	55.1	21.7	8.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.4	6.7	1.7	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

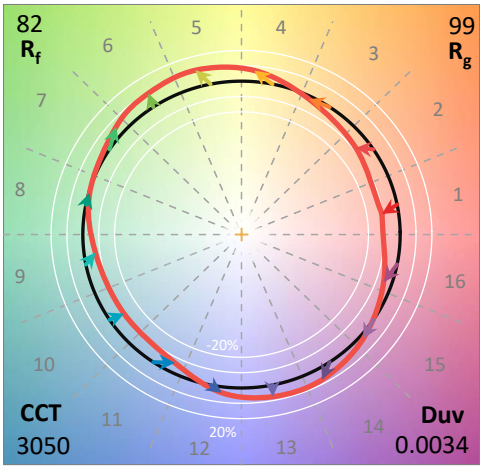
Test Information

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

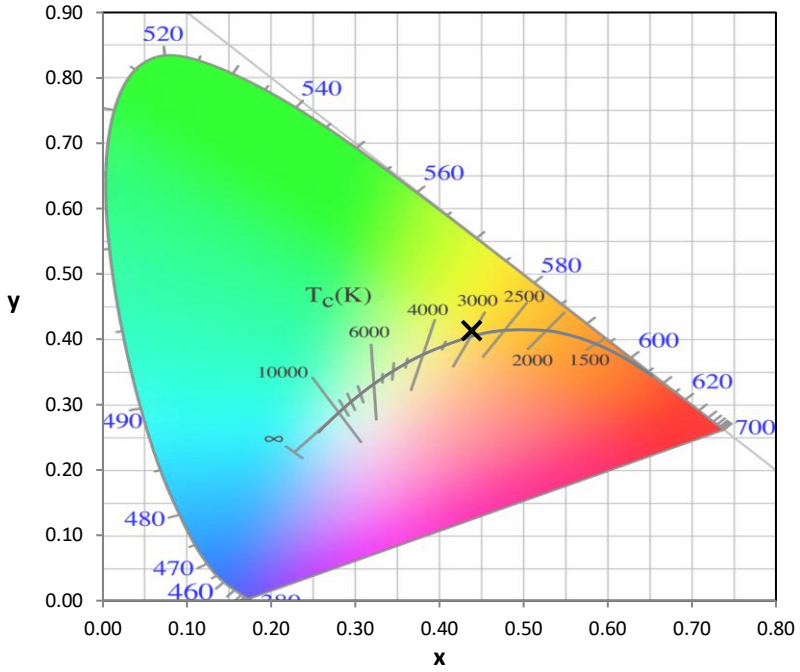
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

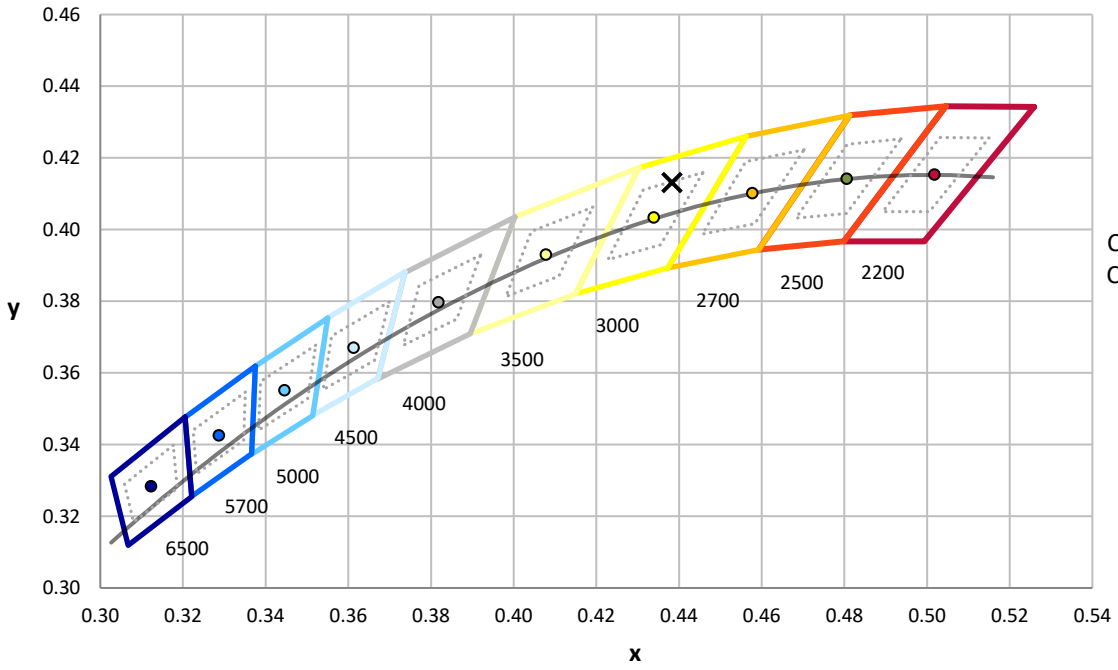
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

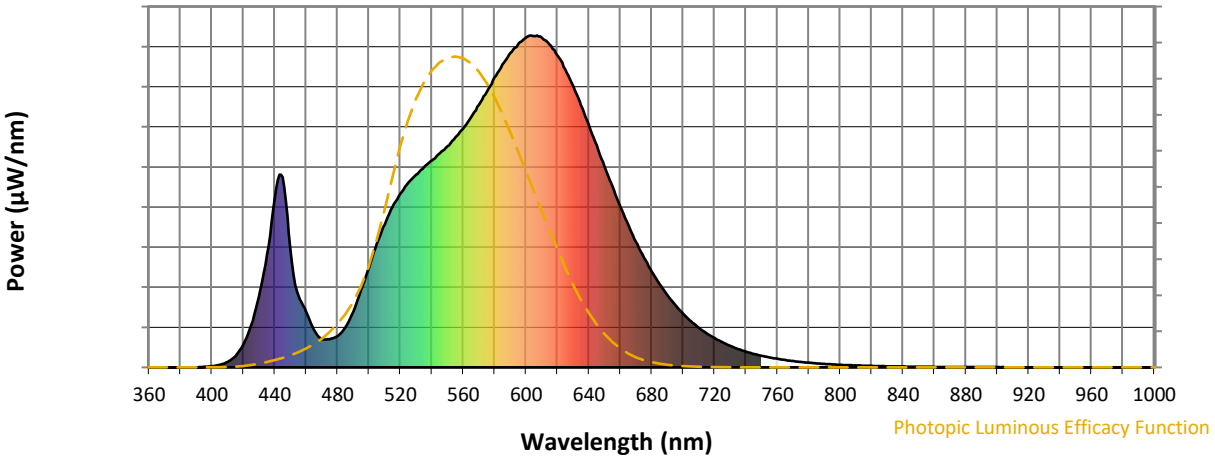


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

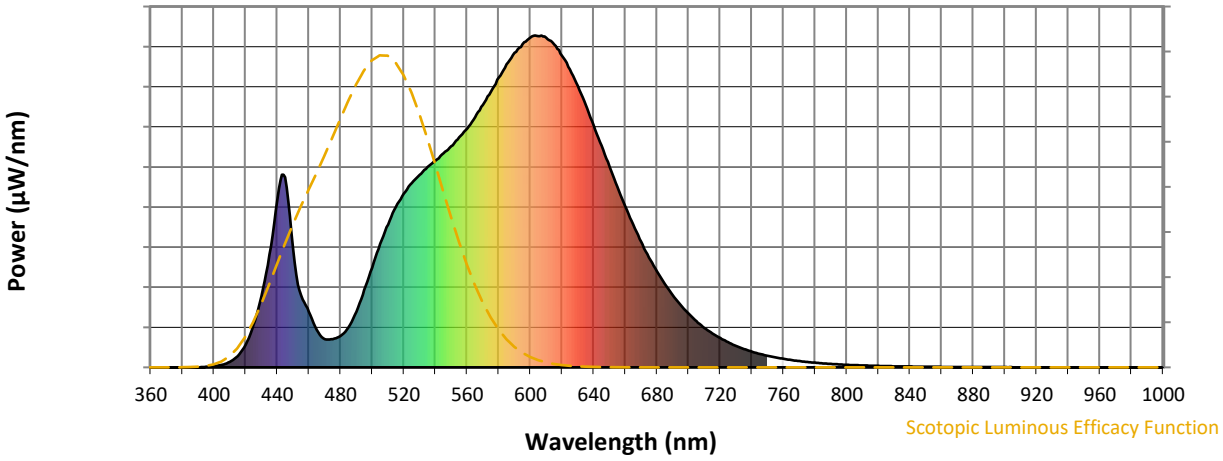


Photopic Lumens: NR

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

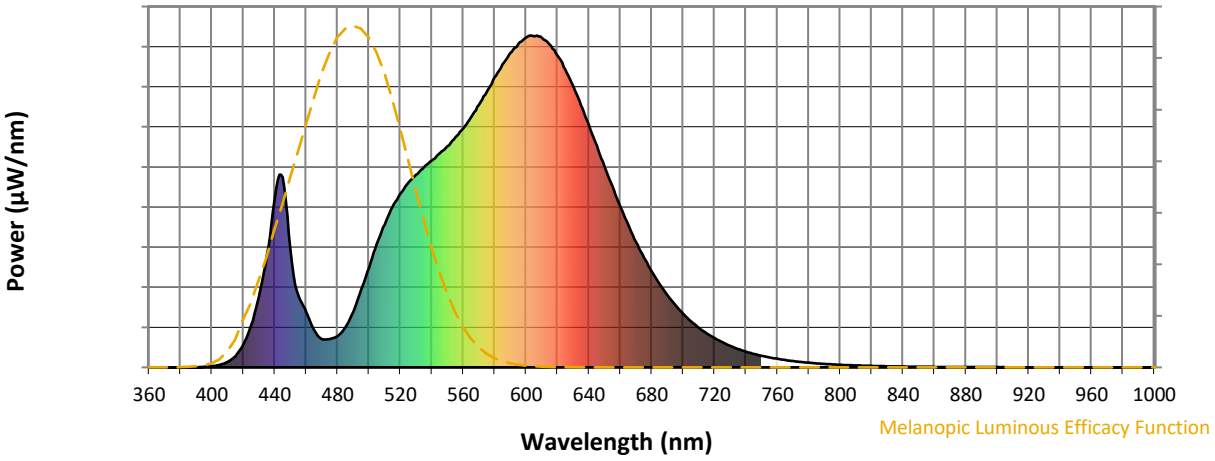


Scotopic Lumens: NR **S/P: 1.27**

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			

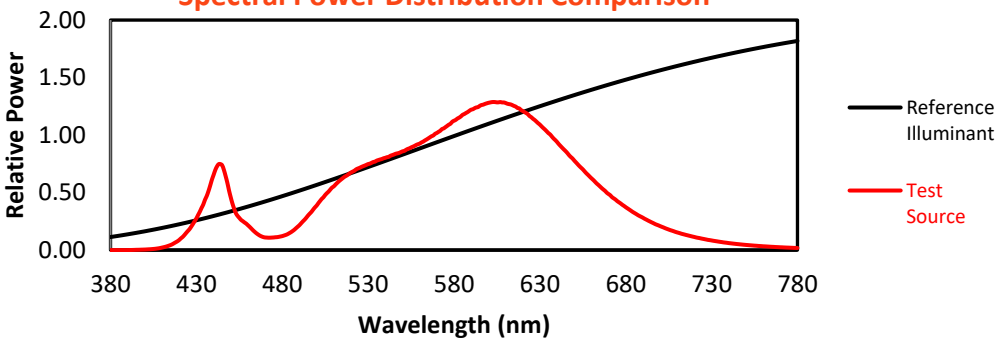
REPORT NUMBER: SP1-2408-195-9

TM-30-18

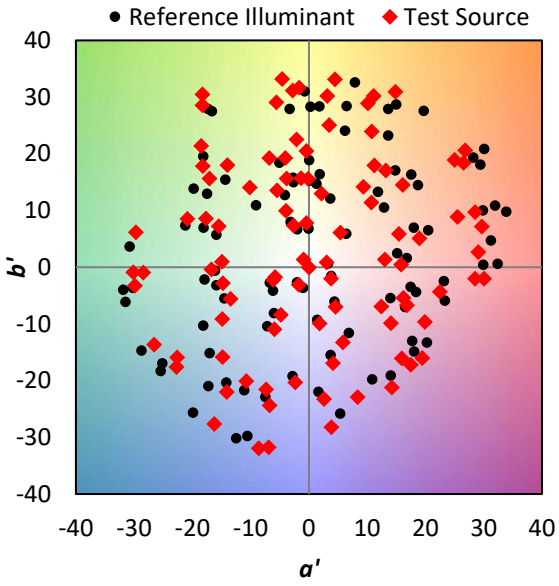
Summary

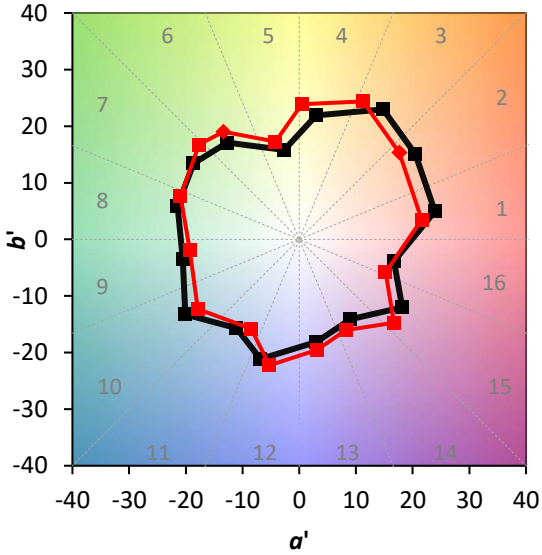
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

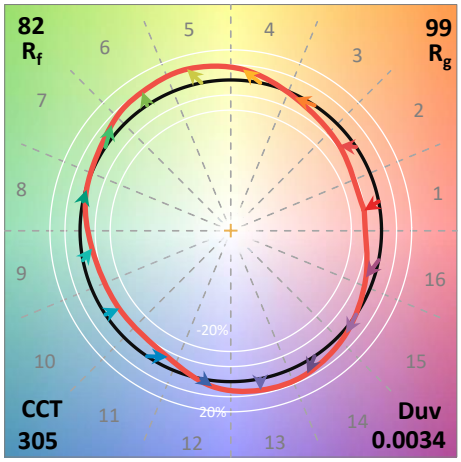
Spectral Power Distribution Comparison

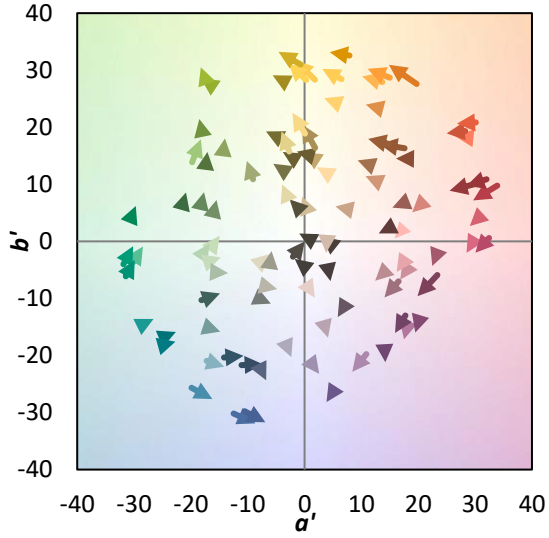


Color Vector Graphics







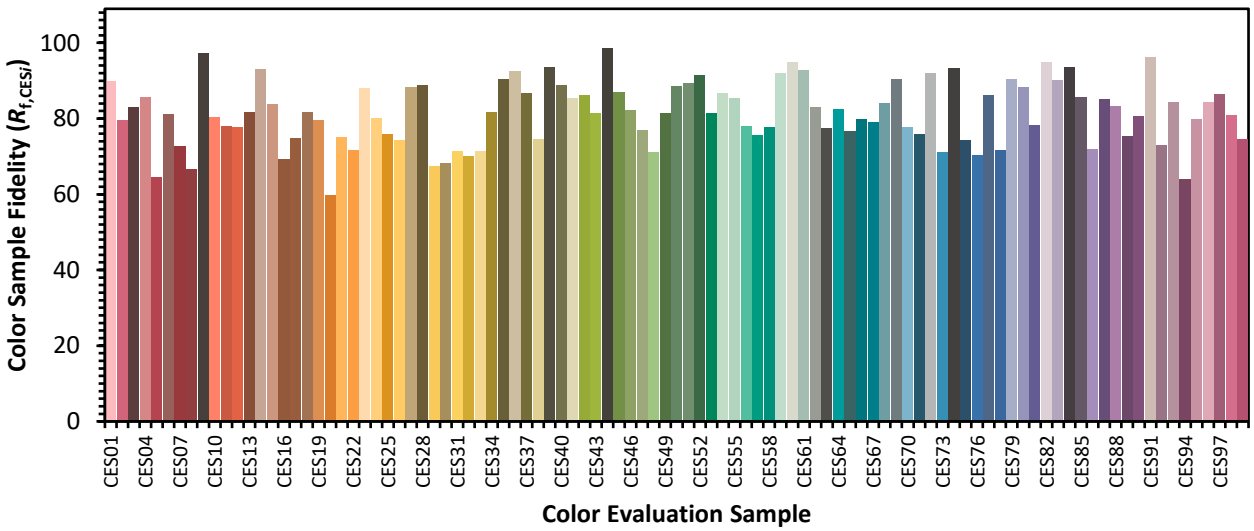


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

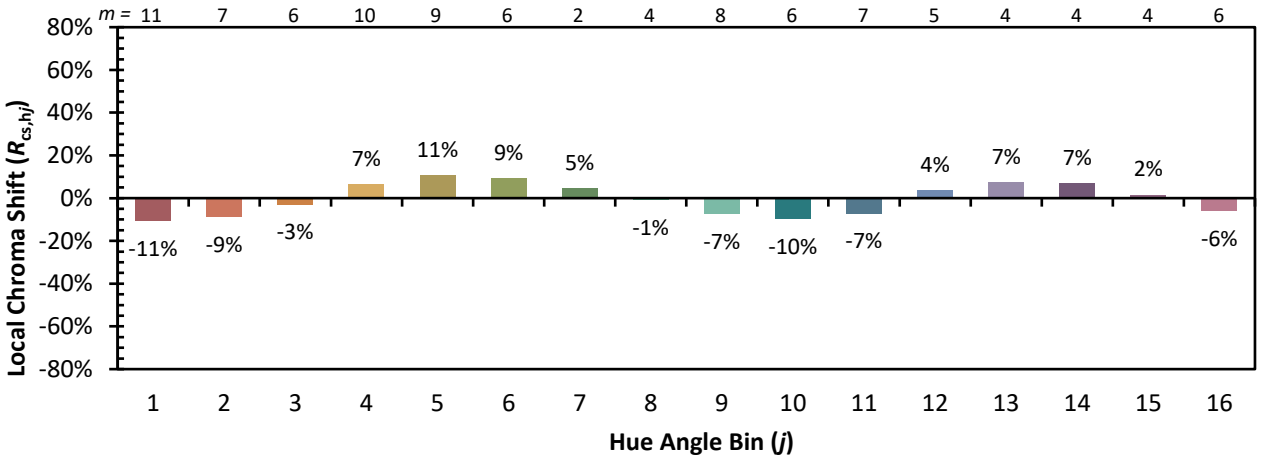
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

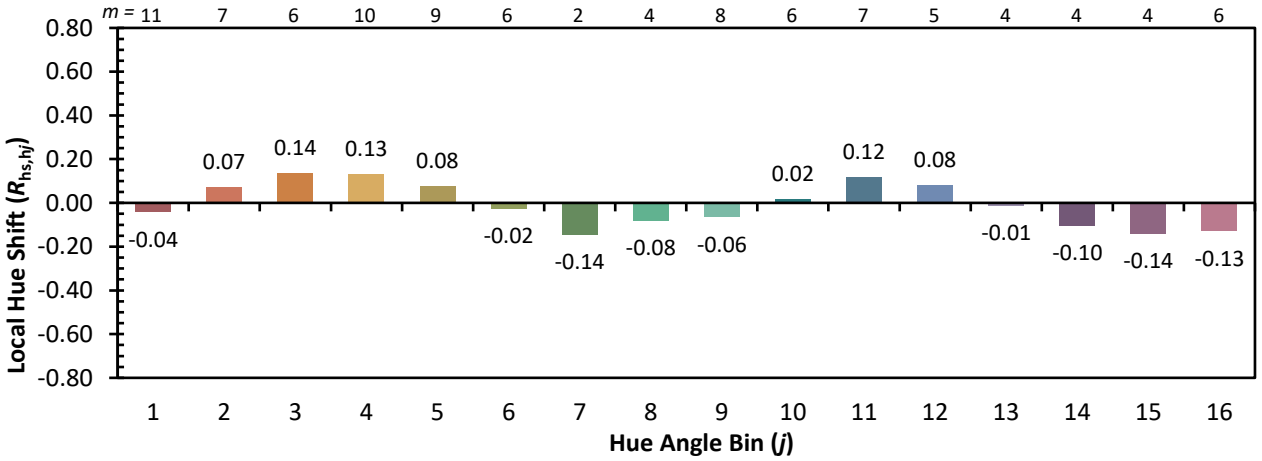


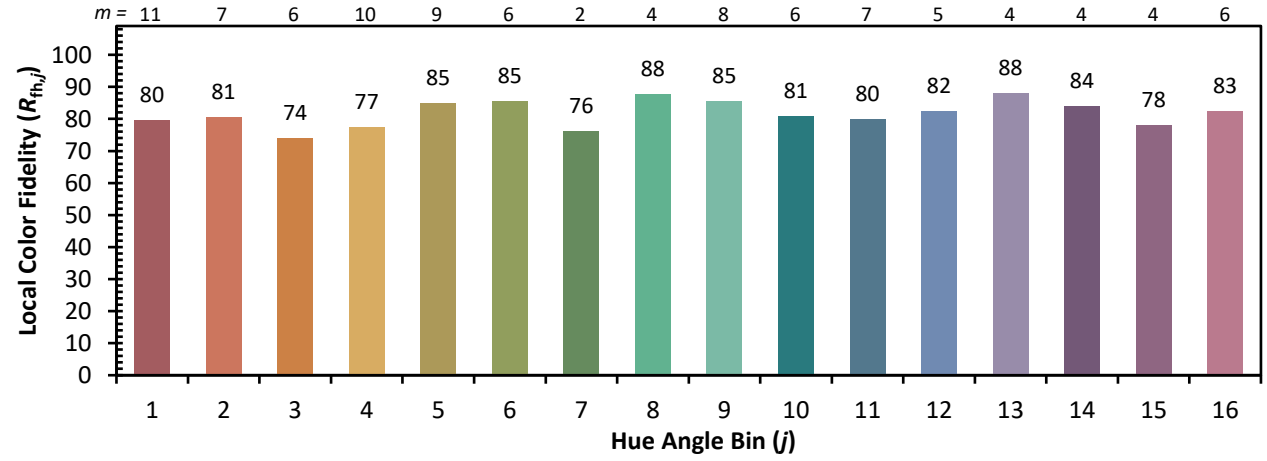
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



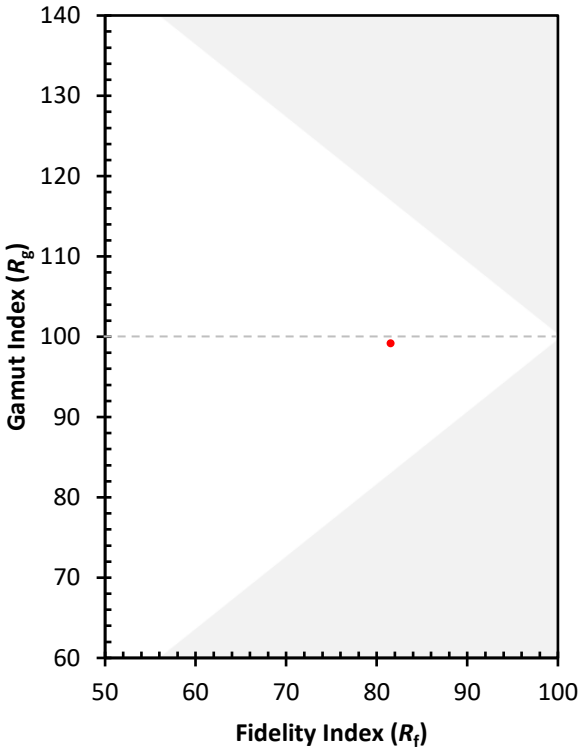


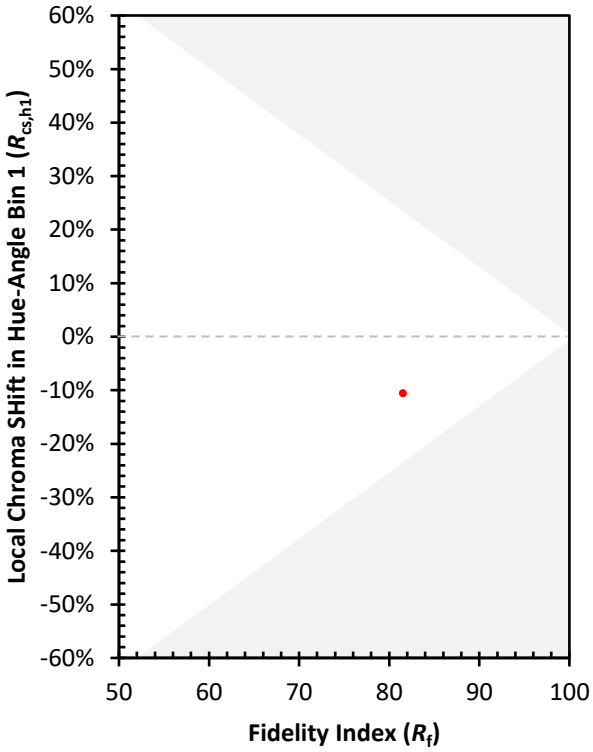


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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