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: P323684

Luminaire Tested: **GLEON-SA0B-830-U-SL3-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:	P323684
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA0B-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	38400 lumens
Efficiency:	N/A
Efficacy:	91.6 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	419
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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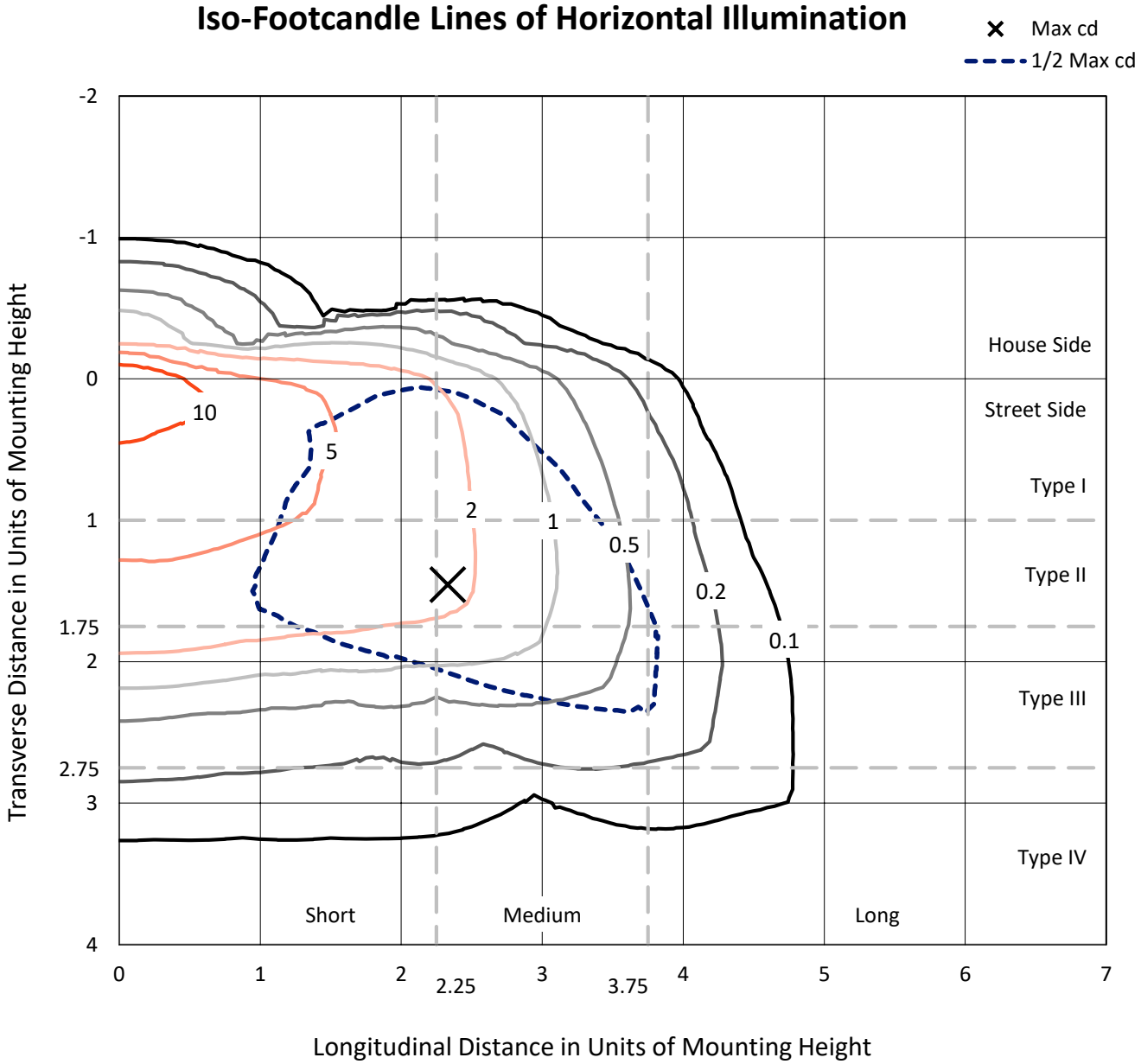
Scaled Data Report

REPORT NUMBER: P323684
CATALOG NUMBER: GLEON-SA0B-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc
Type III - Medium - N/A

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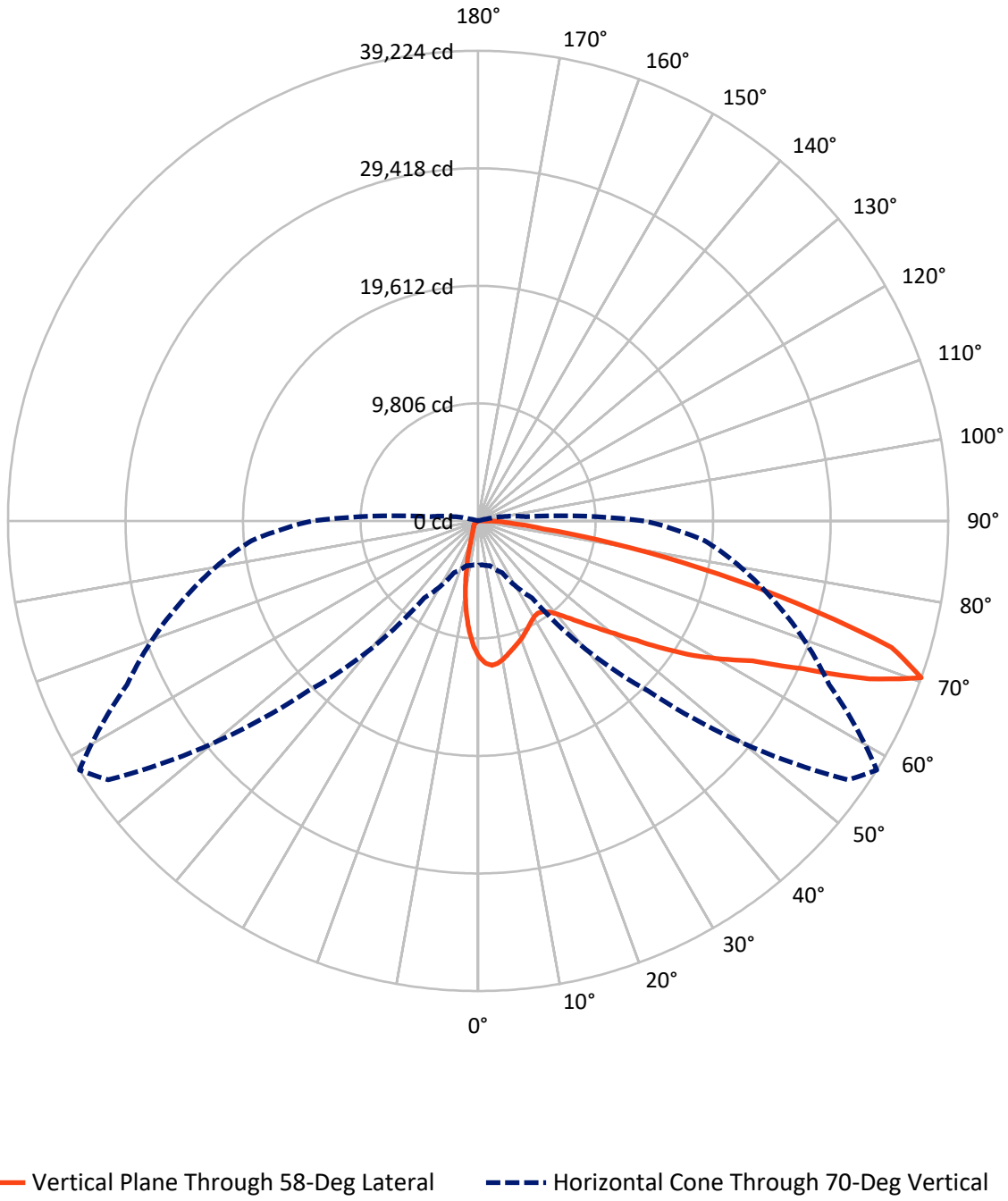
Luminous Intensity Polar Plot



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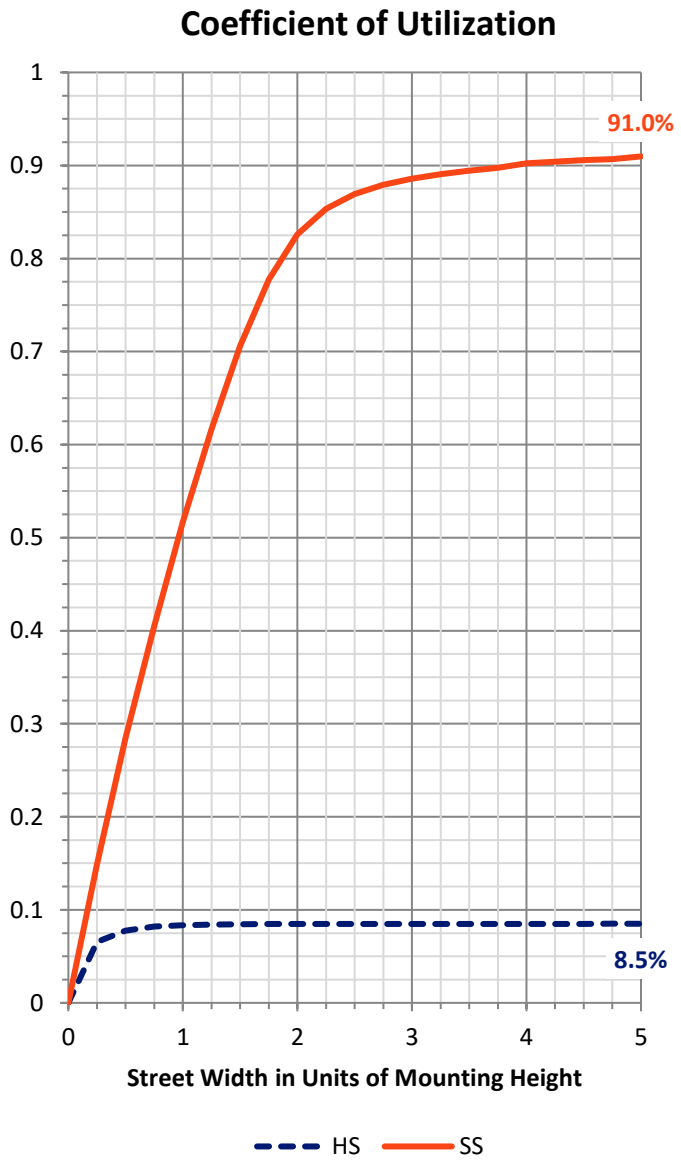
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3286.2	0.0	3286.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	35113.8	0.0	35113.8
	% Fixture	91.4	0.0	91.4
Total	Lumens	38400.0	0.0	38400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	927.6	2.4
10°-20°	1946.8	5.1
20°-30°	2559.3	6.7
30°-40°	3389.6	8.8
40°-50°	5066.3	13.2
50°-60°	8116.1	21.1
60°-70°	10230.2	26.6
70°-80°	5518.2	14.4
80°-90°	645.9	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°	38400.0	100.0
0°-180°	38400.0	100.0



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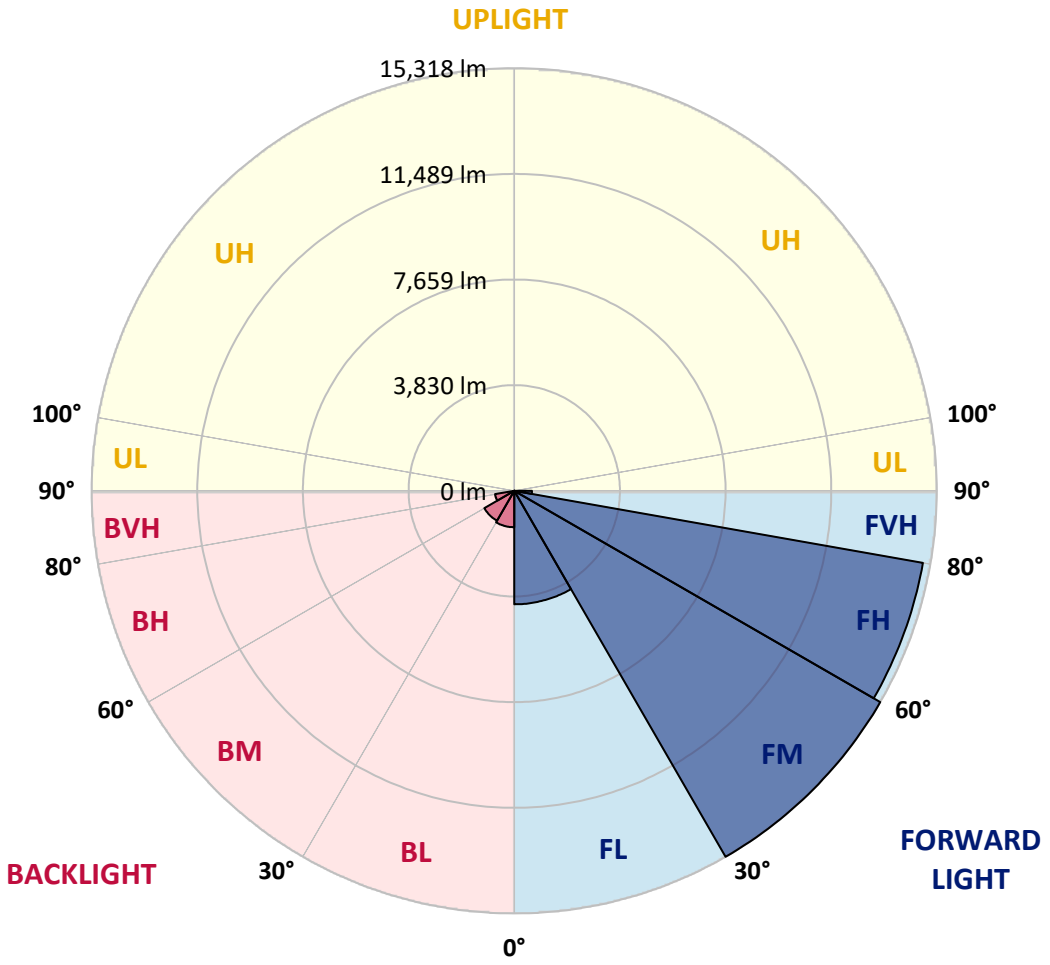
REPORT NUMBER: P323684
CATALOG NUMBER: GLEON-SA0B-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4113.4	10.7			
FM	(30°-60°)	15318.3	39.9			
FH	(60°-80°)	15041.7	39.2			G5
FVH	(80°-90°)	640.3	1.7			G4/750
BL	(0°-30°)	1320.3	3.4	B3/2500		
BM	(30°-60°)	1253.6	3.3	B2/2500		
BH	(60°-80°)	706.7	1.8	B2/1000		G2/1000
BVH	(80°-90°)	5.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Medium



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Scaled Data Report

REPORT NUMBER: P323684
CATALOG NUMBER: GLEON-SA0B-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11343.2	11343.2	11343.2	11343.2	11343.2	11343.2	11343.2	*11343.2*	11343.2	11343.2	11343.2
2.5°	12283.7	12253.3	12242.1	12223.0	12149.5	12077.7	11935.6	*11895.6*	11806.2	11593.9	11368.7
5°	12293.2	12291.6	12325.2	12317.2	12291.6	12258.1	12155.9	*12103.2*	11951.5	11648.2	11236.2
7.5°	11700.8	11731.2	11806.2	11866.9	11937.2	12028.2	12040.9	*11989.9*	11865.3	11538.0	10991.9
10°	10905.7	10953.6	11059.0	11178.7	11362.3	11544.4	11707.2	*11700.8*	11657.7	11335.2	10698.1
12.5°	10108.9	10164.8	10286.1	10463.4	10723.6	11020.6	11311.2	*11351.2*	11423.0	11153.2	10426.7
15°	9411.1	9459.0	9578.8	9795.9	10118.5	10517.7	10944.0	*11017.4*	11202.7	11011.1	10199.9
17.5°	8818.7	8849.1	8936.9	9178.0	9551.6	10035.5	10589.5	*10733.2*	11009.5	10899.3	10003.5
20°	8405.2	8410.0	8467.5	8636.7	9010.4	9551.6	10222.3	*10428.3*	10805.1	10803.5	9800.7
22.5°	8200.8	8184.8	8196.0	8293.4	8568.1	9090.2	9855.0	*10099.3*	10621.5	10722.0	9594.8
25°	8162.5	8149.7	8117.8	8130.6	8296.6	8686.2	9484.6	*9767.2*	10460.2	10672.6	9415.9
27.5°	8282.2	8295.0	8240.7	8183.2	8196.0	8424.4	9155.7	*9483.0*	10329.3	10672.6	9289.8
30°	8523.4	8529.7	8489.8	8414.8	8314.2	8350.9	8927.3	*9254.7*	10263.8	10746.0	9209.9
32.5°	8790.0	8825.1	8820.3	8759.7	8616.0	8467.5	8873.0	*9171.6*	10259.0	10908.9	9202.0
35°	9120.5	9160.4	9227.5	9214.7	9064.6	8820.3	9058.3	*9293.0*	10353.2	11177.1	9288.2
37.5°	9471.8	9532.5	9676.2	9744.9	9647.4	9371.2	9473.4	*9641.1*	10605.5	11611.4	9506.9
40°	9811.9	9880.6	10142.4	10412.3	10338.8	10054.6	10102.5	*10236.6*	11054.2	12235.8	9922.1
42.5°	10145.6	10247.8	10632.6	11076.5	11164.3	10937.6	10963.2	*11070.1*	11720.0	13094.8	10600.7
45°	10544.8	10659.8	11229.8	11777.5	12012.2	11913.2	12021.8	*12092.0*	12590.2	14230.1	11515.6
47.5°	11130.8	11263.3	11962.7	12587.0	12999.0	13062.9	13281.6	*13327.9*	13690.4	15552.2	12708.4
50°	12274.1	12310.8	12943.1	13509.9	14103.9	14487.1	14736.2	*14771.4*	15022.0	16997.2	14198.1
52.5°	13712.7	13736.7	14094.3	14474.4	15149.8	15932.2	16515.0	*16564.5*	16617.2	18405.5	15668.7
55°	15141.8	15138.6	15374.9	15598.5	16371.3	17508.2	18772.8	*18803.1*	18424.7	19742.0	16792.8
57.5°	16034.4	16120.6	16479.9	16767.3	17846.7	19304.5	21059.3	*21171.1*	20323.2	20732.0	17904.1
60°	15750.2	15791.7	16588.4	17651.9	19684.5	21857.7	23373.0	*23401.7*	21750.7	21720.3	19309.3
62.5°	13418.9	13441.3	14693.1	16885.4	20615.4	25169.3	26164.0	*25696.2*	23392.1	23091.9	20990.6
65°	9197.2	9342.5	10388.3	13098.0	18905.3	27246.6	30484.8	*29710.4*	25894.2	25068.7	22510.7
67.5°	5416.1	5385.8	5903.1	7899.0	13885.2	25867.0	35950.4	*35180.8*	29306.4	26392.4	22065.2
70°	*3699.6*	*3678.9*	*3876.9*	*4782.2*	*7838.4*	*20066.1*	*37670.1*	*39223.7*	*32319.4*	*25501.4*	*18989.9*
72.5°	2641.0	2652.2	2944.4	3715.6	4921.1	11691.3	32394.5	*36071.8*	31375.8	22231.3	14434.4
75°	1793.1	1823.5	2241.8	3048.2	4314.4	5947.8	22988.1	*27420.7*	25549.3	16157.3	8296.6
77.5°	964.4	998.0	1491.3	2455.8	3900.8	4132.3	14787.3	*18871.8*	16048.7	7263.5	2404.7
80°	402.4	421.5	697.8	1785.1	3370.7	3629.4	8700.6	*11443.8*	6838.8	1432.3	536.5
82.5°	174.0	183.6	290.6	1065.0	2519.6	3064.1	4606.6	*5505.5*	2072.6	314.6	269.8
85°	33.5	35.1	119.8	563.6	1607.9	1729.3	2985.9	*2926.8*	930.9	135.7	196.4
87.5°	0.0	0.0	28.7	177.2	472.6	942.1	1821.9	*1799.5*	316.2	65.5	73.4
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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REPORT NUMBER: P323684
CATALOG NUMBER: GLEON-SA0B-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11343.2	11343.2	11343.2	11343.2	11343.2	11343.2	11343.2	11343.2	11343.2	11343.2	11343.2
2.5°	11253.8	11143.6	10912.1	10626.2	10407.5	10166.4	9974.8	9732.1	9626.7	9631.5	9574.0
5°	11001.5	10774.7	10262.2	9615.5	9117.3	8603.2	8160.9	7720.2	7459.9	7375.3	7295.5
7.5°	10640.6	10281.4	9463.8	8467.5	7624.4	6800.5	6083.5	5452.8	5053.7	4858.9	4787.0
10°	10233.5	9728.9	8545.7	7233.2	6029.3	4914.7	3985.4	3177.5	2855.0	2636.2	2580.3
12.5°	9875.8	9192.4	7648.3	5967.0	4537.9	3193.5	2307.3	1804.3	1585.6	1499.3	1485.0
15°	9538.9	8691.0	6784.5	4820.5	3142.4	1965.6	1467.4	1296.5	1245.5	1231.1	1231.1
17.5°	9221.1	8213.6	5939.8	3691.6	2078.9	1378.0	1215.1	1176.8	1160.8	1159.2	1160.8
20°	8889.0	7736.2	5109.5	2704.9	1451.4	1167.2	1122.5	1101.7	1097.0	1097.0	1097.0
22.5°	8571.3	7258.7	4301.6	1932.0	1164.0	1065.0	1042.7	1028.3	1023.5	1021.9	1018.7
25°	8266.3	6805.3	3512.8	1365.2	1021.9	975.6	956.4	937.3	922.9	914.9	910.1
27.5°	8015.6	6401.3	2778.3	1095.4	922.9	883.0	859.0	830.3	795.2	779.2	772.8
30°	7816.0	6032.5	2141.2	924.5	830.3	790.4	753.7	704.2	653.1	625.9	624.3
32.5°	7659.5	5670.0	1625.5	817.5	747.3	697.8	645.1	582.8	523.7	493.4	491.8
35°	7582.9	5350.6	1242.3	739.3	673.8	611.5	546.1	477.4	419.9	391.2	388.0
37.5°	7634.0	5080.8	969.2	673.8	611.5	539.7	463.1	391.2	340.1	314.6	313.0
40°	7820.8	4908.4	787.2	617.9	558.9	471.0	388.0	320.9	277.8	257.1	255.5
42.5°	8218.4	4844.5	672.2	571.6	507.8	407.2	322.5	265.1	225.1	210.8	207.6
45°	8882.6	4938.7	594.0	526.9	455.1	346.5	266.7	217.2	182.0	170.9	169.3
47.5°	9767.2	5186.2	538.1	483.8	407.2	292.2	221.9	175.6	148.5	137.3	135.7
50°	10907.3	5579.0	491.8	440.7	362.5	247.5	183.6	138.9	115.0	107.0	107.0
52.5°	12147.9	6046.8	450.3	400.8	317.7	206.0	148.5	107.0	91.0	81.4	81.4
55°	13173.0	6455.6	405.6	370.4	263.5	170.9	113.4	81.4	67.1	62.3	62.3
57.5°	14196.5	6891.5	354.5	317.7	210.8	138.9	86.2	60.7	49.5	46.3	46.3
60°	15523.4	7424.8	305.0	258.7	166.1	105.4	63.9	43.1	36.7	35.1	35.1
62.5°	16982.8	7737.8	260.3	207.6	129.3	78.2	46.3	28.7	27.1	27.1	25.5
65°	17875.4	7295.5	218.8	166.1	100.6	59.1	30.3	20.8	24.0	22.4	19.2
67.5°	16736.9	5711.5	178.8	129.3	78.2	44.7	19.2	14.4	25.5	20.8	16.0
70°	*13858.0*	*3998.2*	*138.9*	*91.0*	*62.3*	*38.3*	*12.8*	*9.6*	*27.1*	*20.8*	*12.8*
72.5°	10370.8	2676.1	110.2	60.7	46.3	33.5	11.2	4.8	24.0	17.6	11.2
75°	5666.8	1077.8	87.8	38.3	28.7	24.0	8.0	3.2	16.0	12.8	8.0
77.5°	1491.3	284.2	63.9	25.5	16.0	9.6	4.8	1.6	8.0	6.4	3.2
80°	380.0	110.2	41.5	17.6	11.2	4.8	0.0	0.0	1.6	0.0	0.0
82.5°	202.8	46.3	25.5	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	153.3	30.3	14.4	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	59.1	9.6	4.8	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

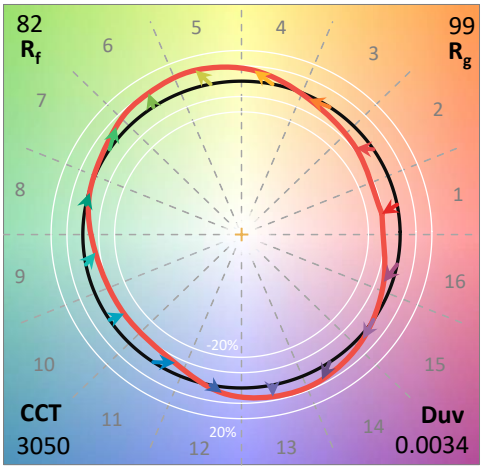
Test Information

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

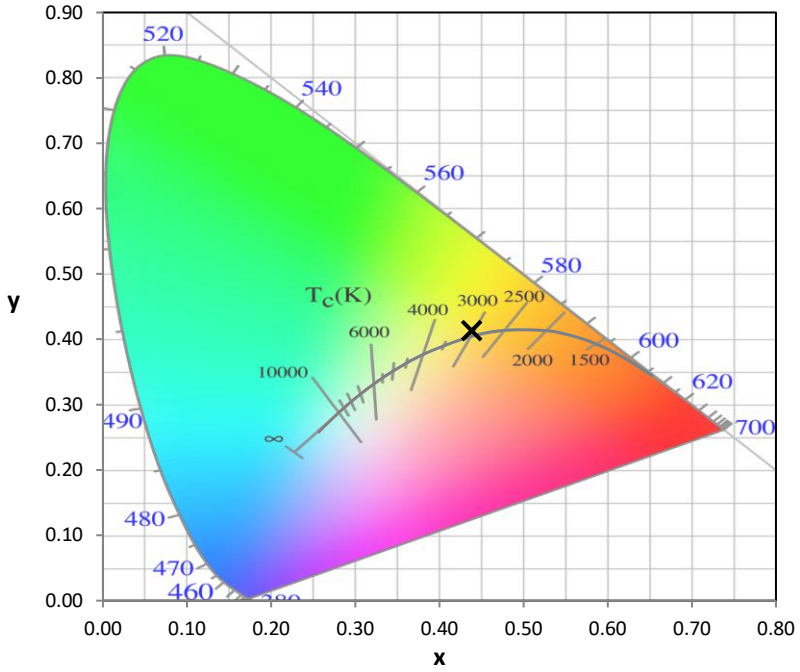
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

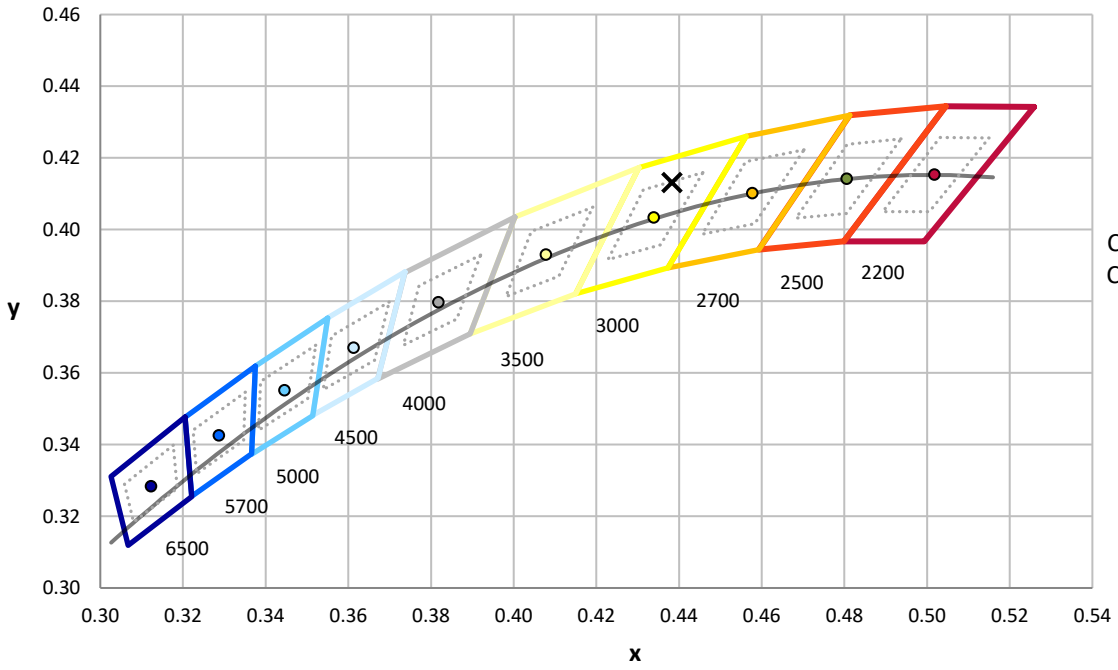
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

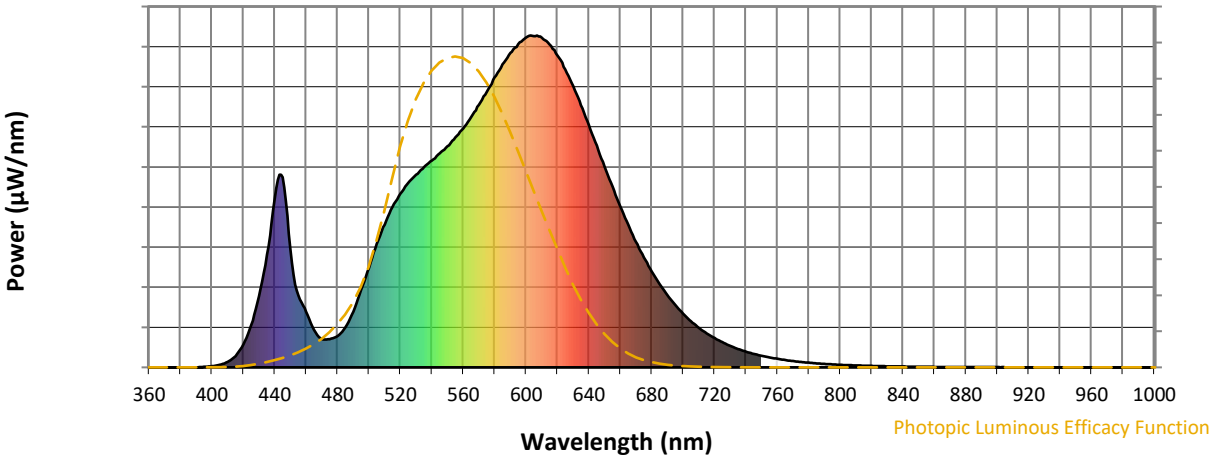


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

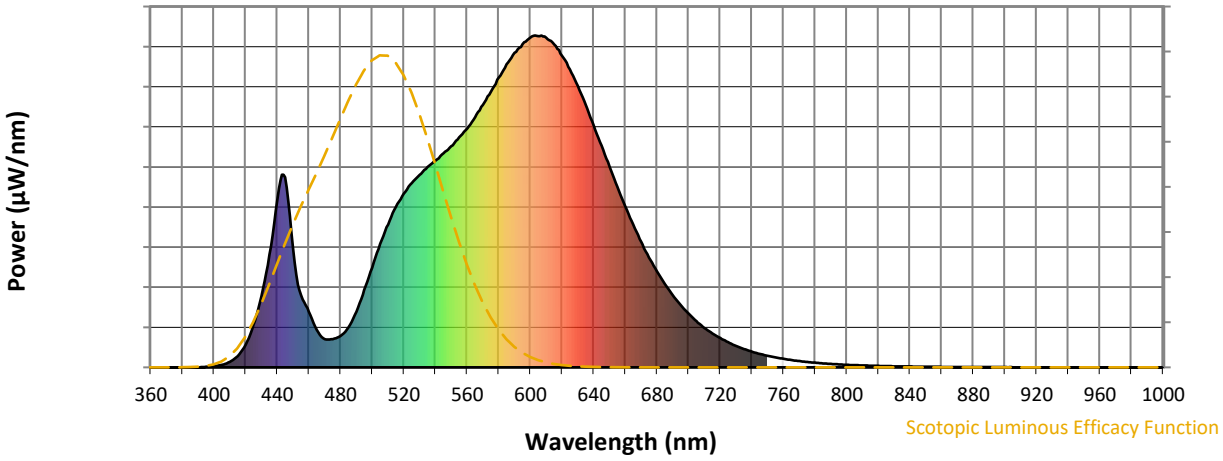


Photopic Lumens: NR

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

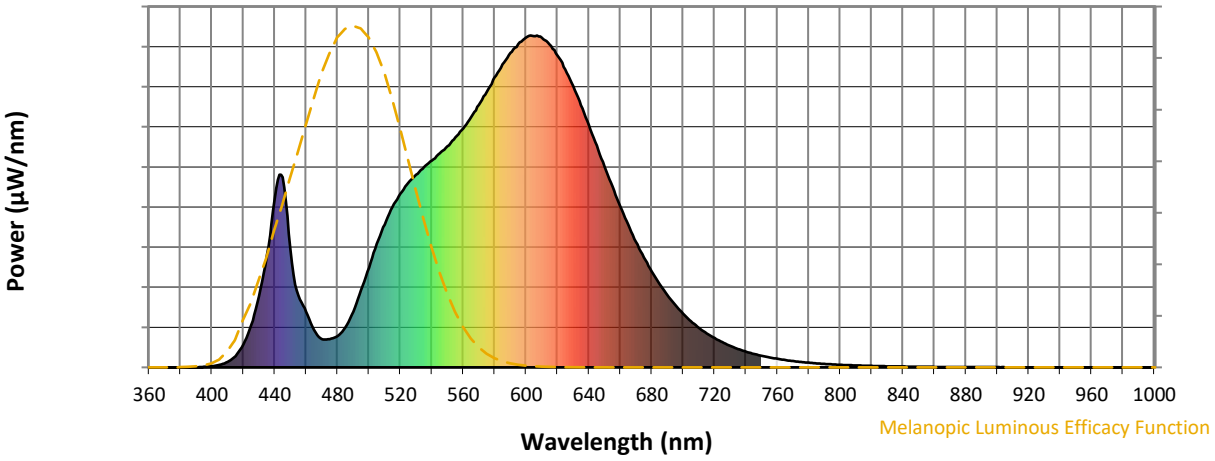


Scotopic Lumens: NR **S/P: 1.27**

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			

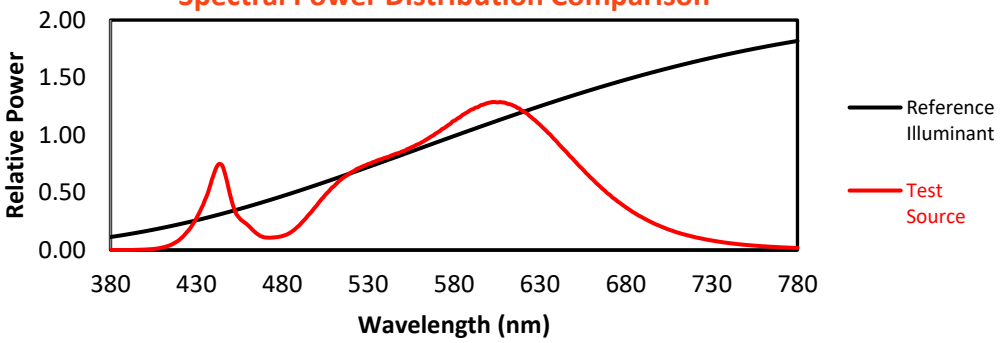
REPORT NUMBER: SP1-2408-195-9

TM-30-18

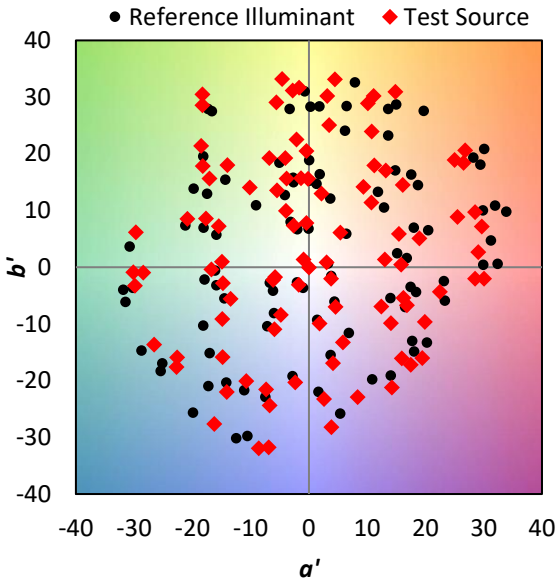
Summary

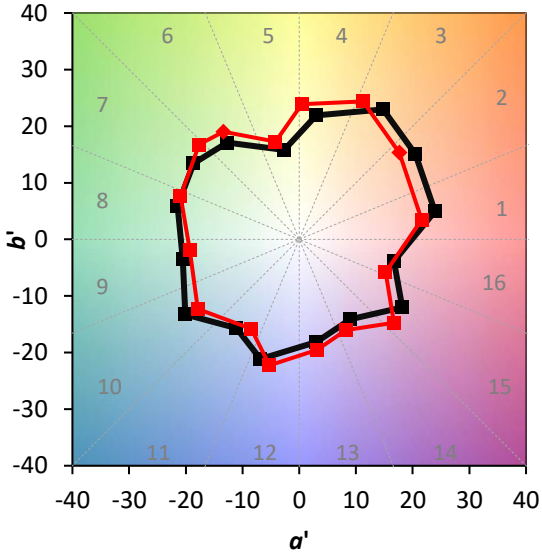
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

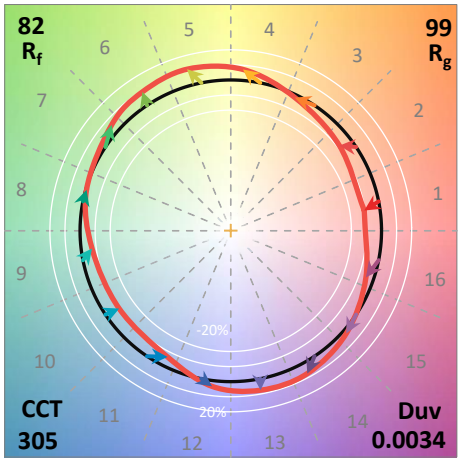
Spectral Power Distribution Comparison

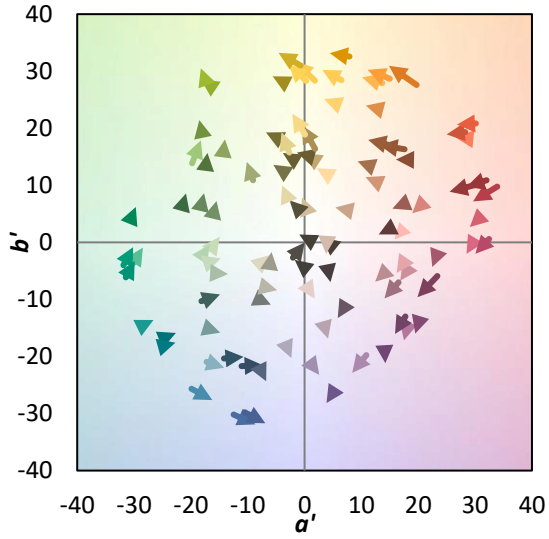


Color Vector Graphics







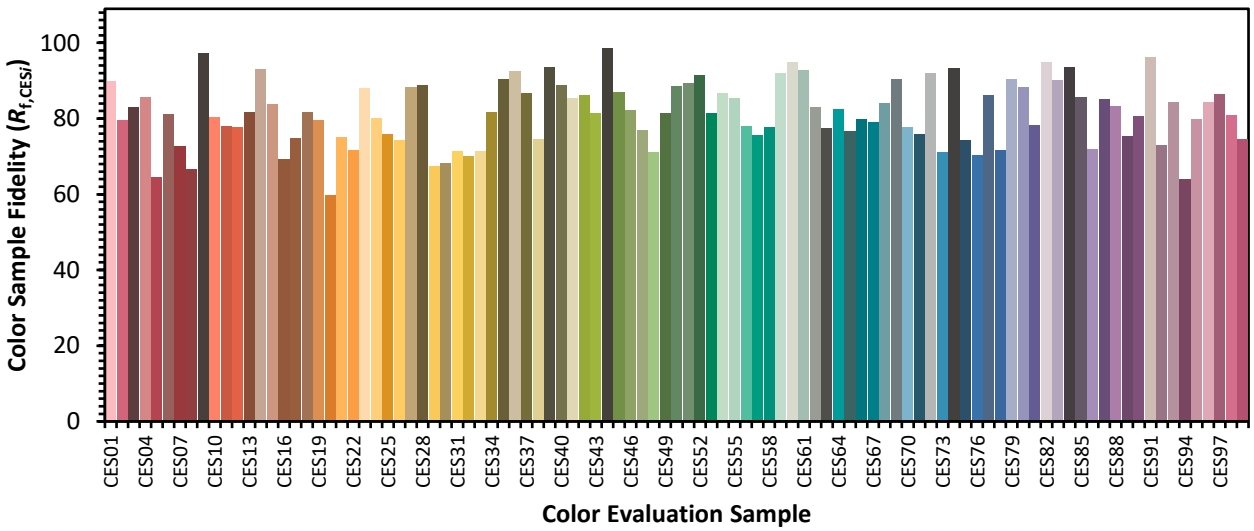


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

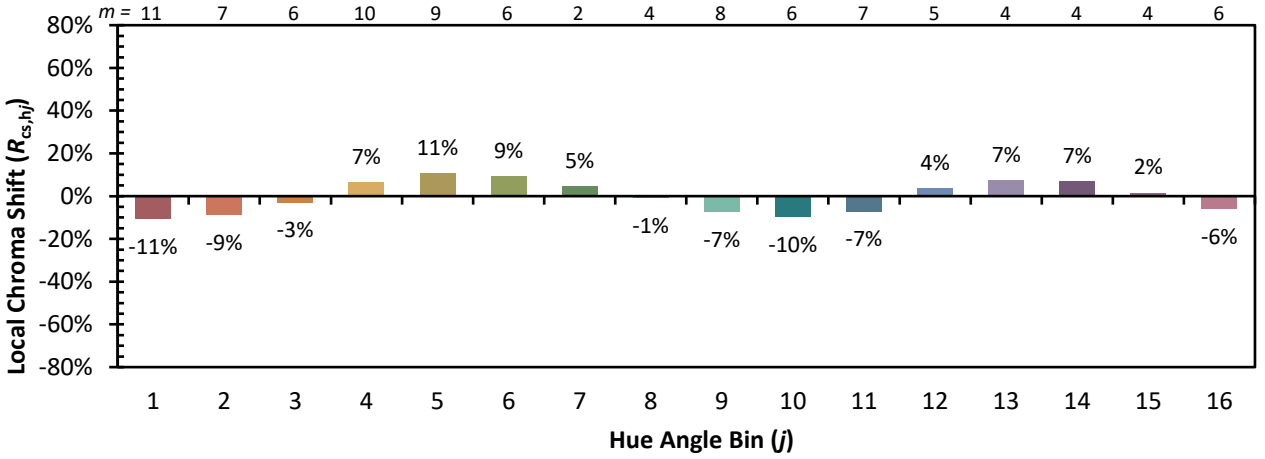
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

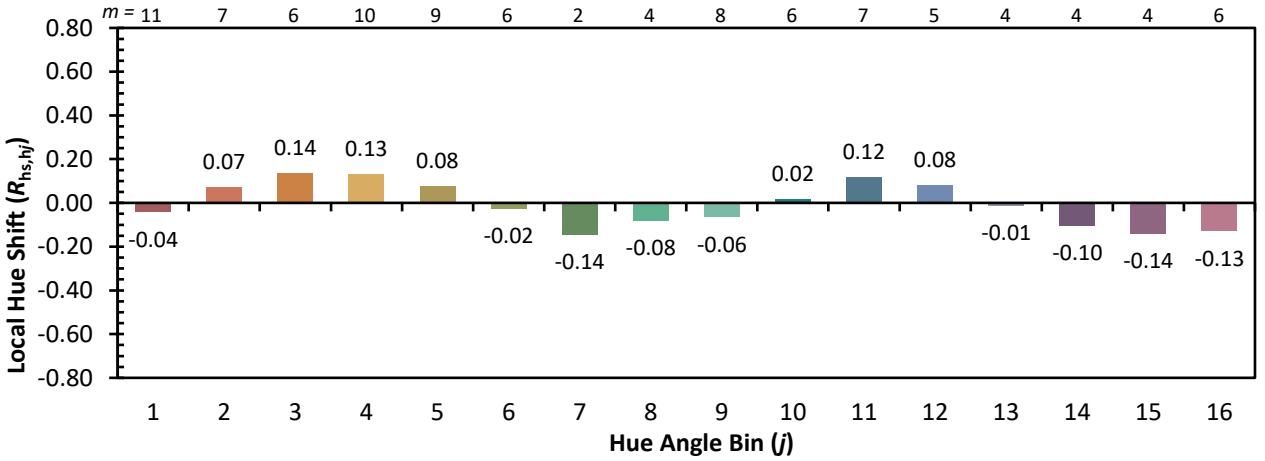


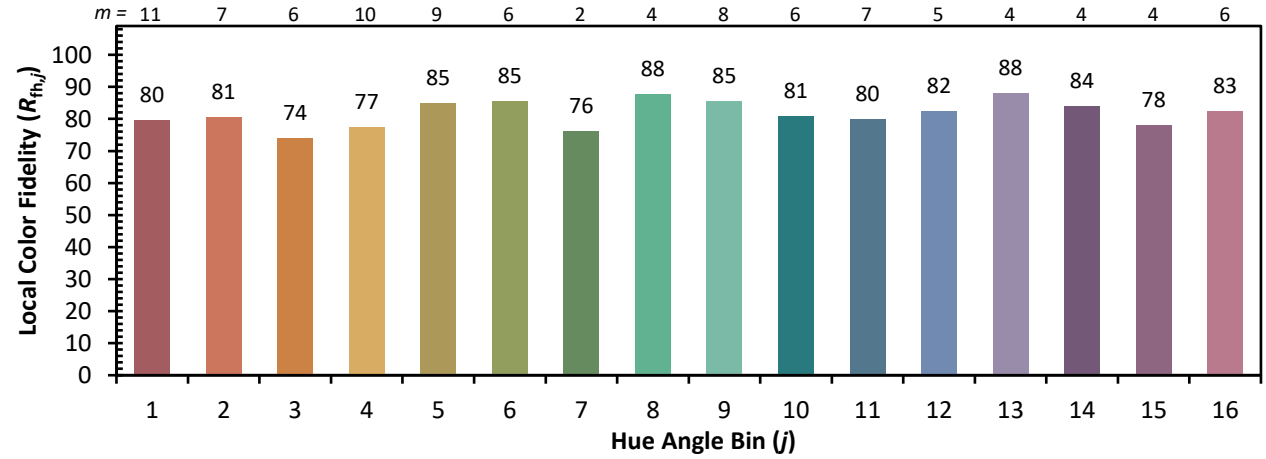
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



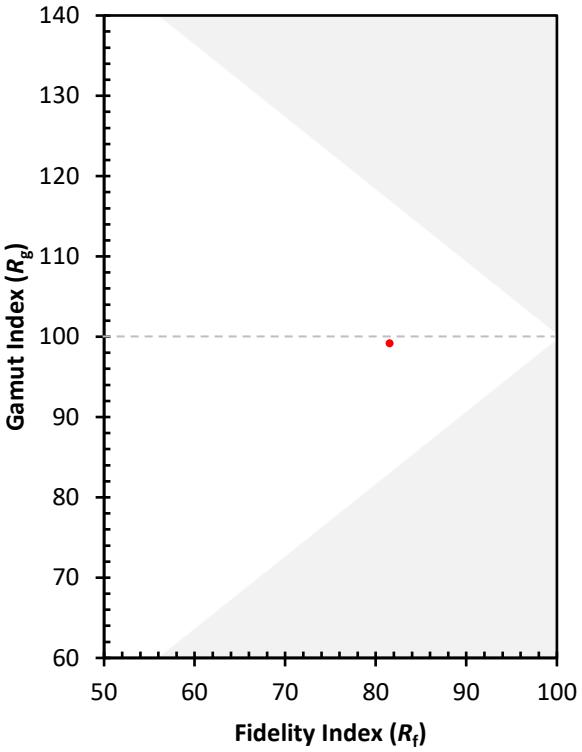


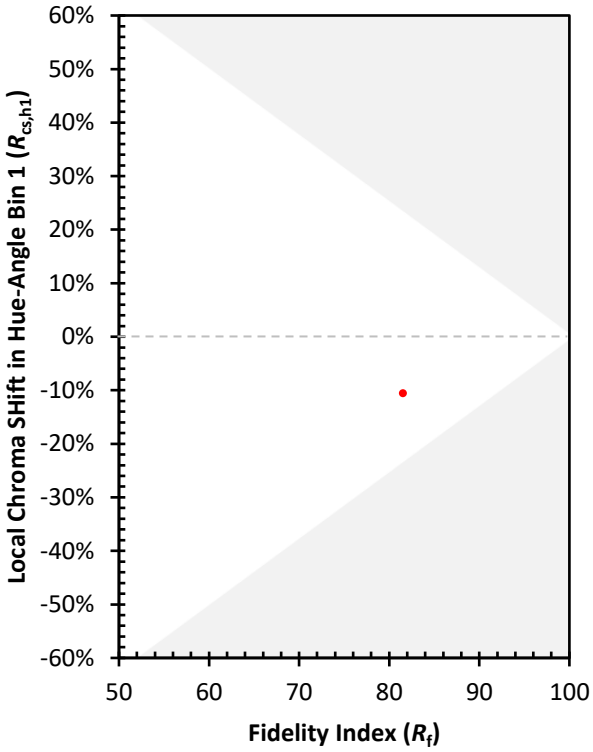


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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