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: P323701

Luminaire Tested: **GLEON-SA7D-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:	P323701
	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-SA7D-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 1200mA 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:	37258 lumens
Efficiency:	N/A
Efficacy:	83.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	448
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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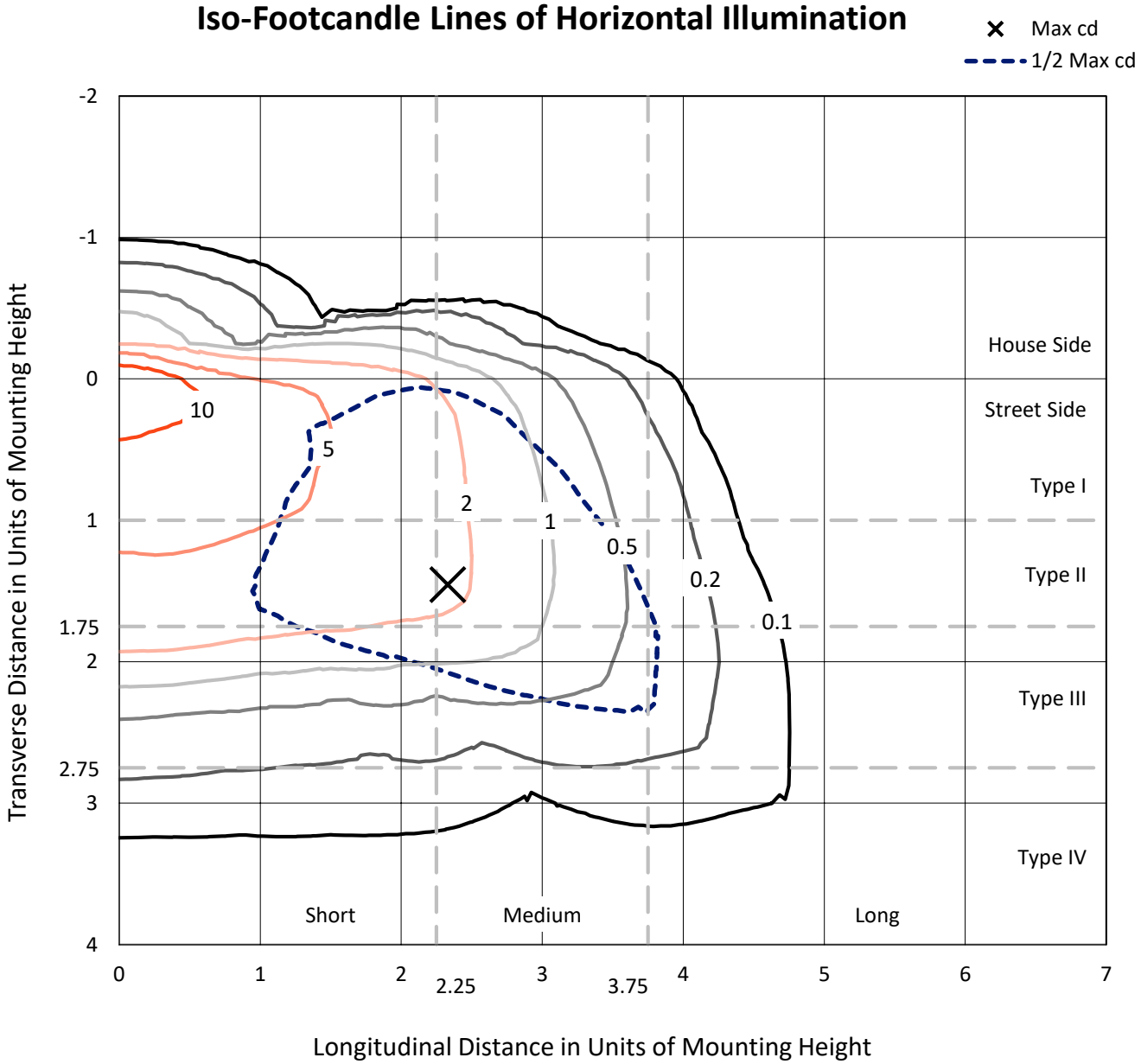
Scaled Data Report

REPORT NUMBER: P323701
CATALOG NUMBER: GLEON-SA7D-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
Type III - Medium - N/A

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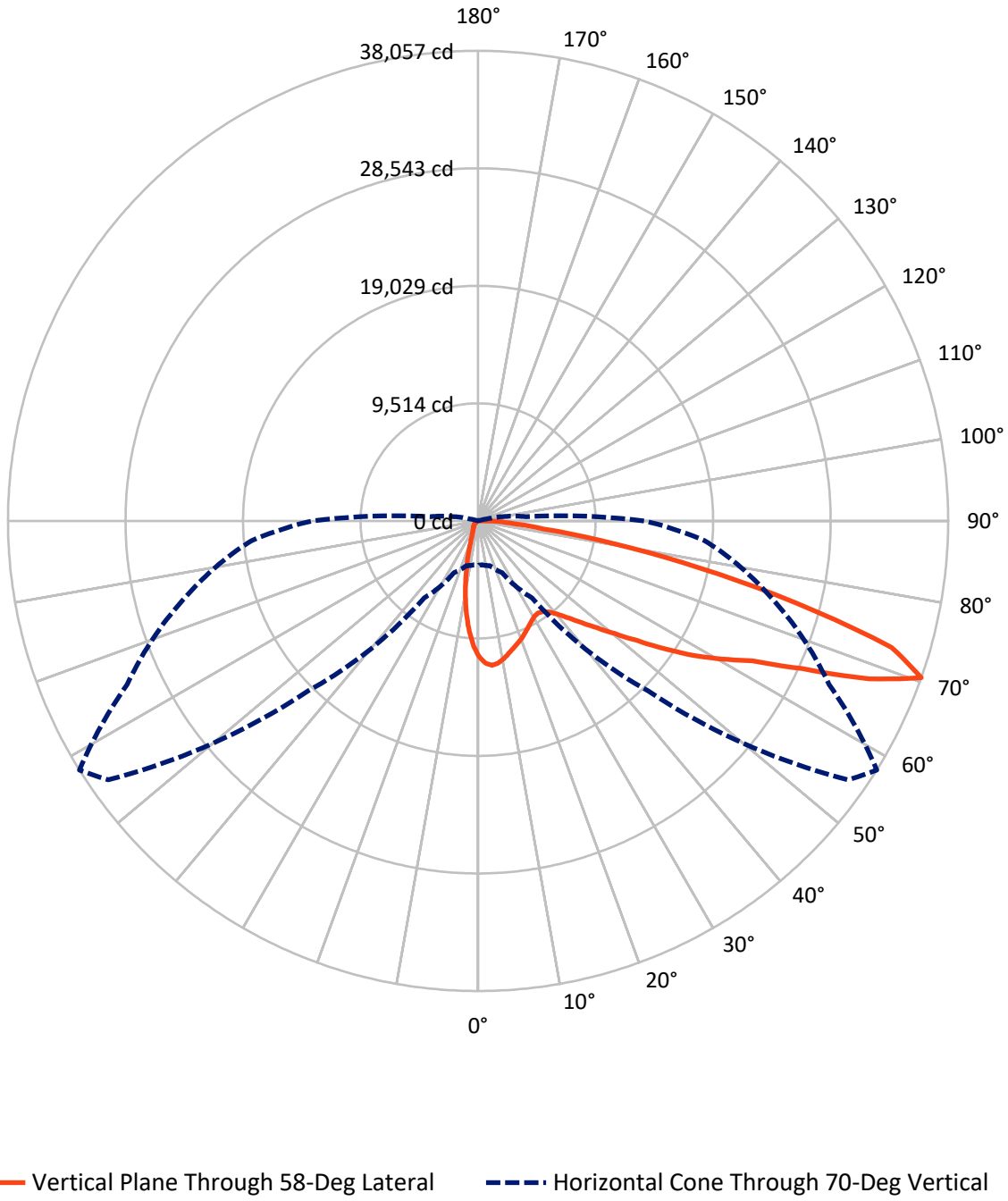
Luminous Intensity Polar Plot



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REPORT NUMBER: P323701
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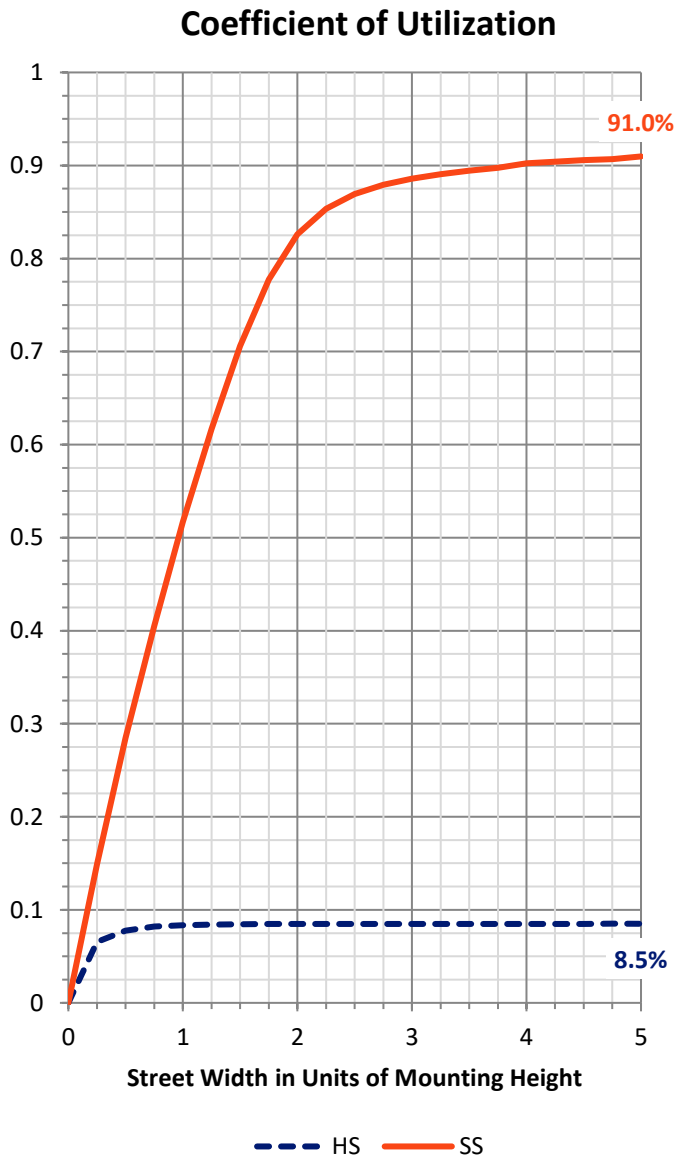
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3188.4	0.0	3188.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	34069.5	0.0	34069.5
	% Fixture	91.4	0.0	91.4
Total	Lumens	37258.0	0.0	37258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	900.0	2.4
10°-20°	1888.9	5.1
20°-30°	2483.2	6.7
30°-40°	3288.8	8.8
40°-50°	4915.7	13.2
50°-60°	7874.7	21.1
60°-70°	9926.0	26.6
70°-80°	5354.0	14.4
80°-90°	626.7	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°	37258.0	100.0
0°-180°	37258.0	100.0



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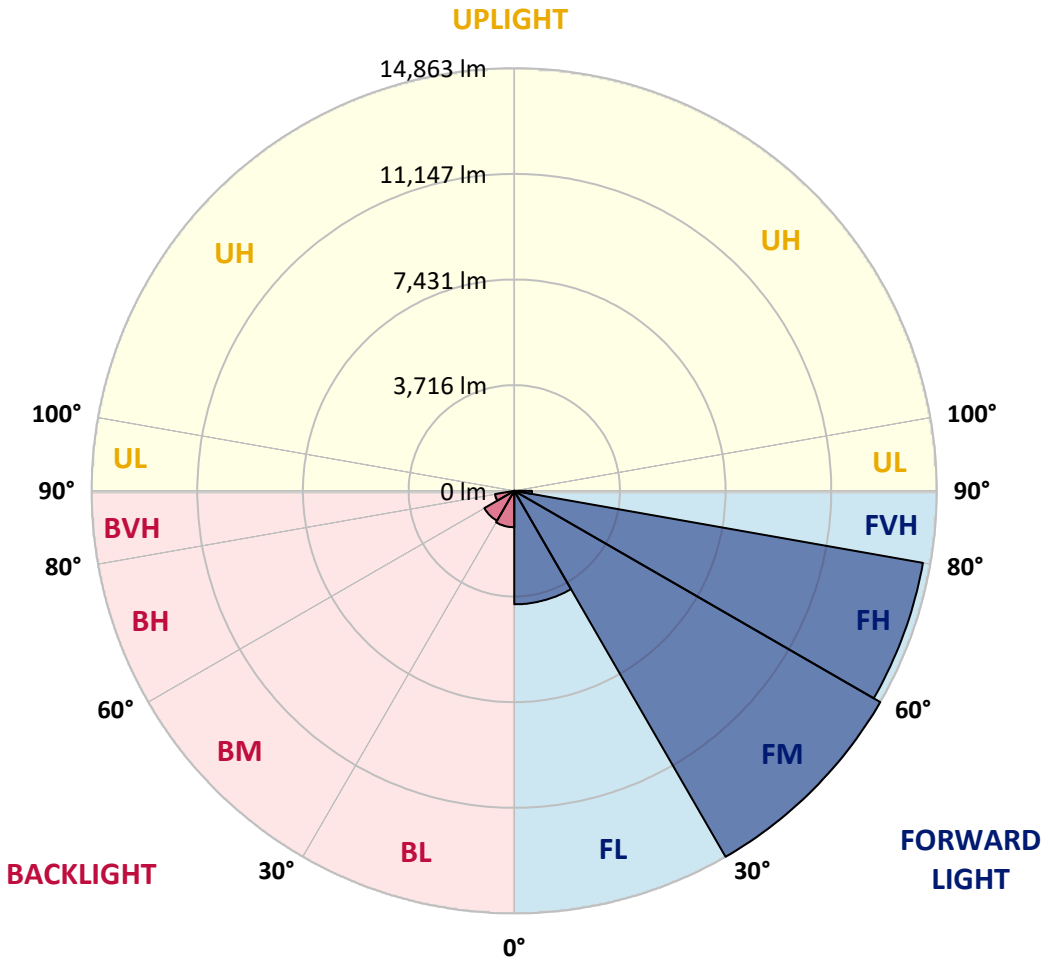
REPORT NUMBER: P323701
CATALOG NUMBER: GLEON-SA7D-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3991.1	10.7			
FM	(30°-60°)	14862.8	39.9			
FH	(60°-80°)	14594.4	39.2			G5
FVH	(80°-90°)	621.3	1.7			G4/750
BL	(0°-30°)	1281.0	3.4	B3/2500		
BM	(30°-60°)	1216.4	3.3	B2/2500		
BH	(60°-80°)	685.7	1.8	B2/1000		G2/1000
BVH	(80°-90°)	5.4	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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REPORT NUMBER: P323701
CATALOG NUMBER: GLEON-SA7D-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8
2.5°	11918.3	11888.9	11878.1	11859.5	11788.2	11718.5	11580.6	11541.9	11455.1	11249.1	11030.6
5°	11927.6	11926.1	11958.6	11950.9	11926.1	11893.6	11794.4	11743.3	11596.1	11301.7	10902.0
7.5°	11352.9	11382.3	11455.1	11514.0	11582.2	11670.5	11682.9	11633.3	11512.4	11194.8	10665.0
10°	10581.3	10627.8	10730.1	10846.3	11024.4	11201.0	11359.1	11352.9	11311.0	10998.1	10379.9
12.5°	9808.3	9862.5	9980.2	10152.2	10404.7	10692.9	10974.9	11013.6	11083.3	10821.5	10116.6
15°	9131.3	9177.7	9293.9	9504.6	9817.6	10204.9	10618.5	10689.8	10869.5	10683.6	9896.6
17.5°	8556.5	8585.9	8671.1	8905.1	9267.6	9737.0	10274.6	10414.0	10682.0	10575.1	9706.0
20°	8155.2	8159.9	8215.6	8379.9	8742.4	9267.6	9918.3	10118.1	10483.7	10482.2	9509.3
22.5°	7956.9	7941.4	7952.3	8046.8	8313.2	8819.9	9561.9	9799.0	10305.6	10403.2	9309.4
25°	7919.7	7907.3	7876.4	7888.8	8049.9	8427.9	9202.5	9476.7	10149.1	10355.2	9135.9
27.5°	8035.9	8048.3	7995.7	7939.9	7952.3	8173.8	8883.4	9201.0	10022.1	10355.2	9013.5
30°	8269.9	8276.1	8237.3	8164.5	8066.9	8102.6	8661.8	8979.4	9958.5	10426.4	8936.0
32.5°	8528.6	8562.7	8558.0	8499.2	8359.7	8215.6	8609.2	8898.9	9953.9	10584.4	8928.3
35°	8849.3	8888.0	8953.1	8940.7	8795.1	8558.0	8788.9	9016.6	10045.3	10844.7	9012.0
37.5°	9190.1	9249.0	9388.4	9455.0	9360.5	9092.5	9191.7	9354.3	10290.1	11266.1	9224.2
40°	9520.1	9586.7	9840.8	10102.6	10031.4	9755.6	9802.1	9932.2	10725.4	11871.9	9627.0
42.5°	9843.9	9943.1	10316.4	10747.1	10832.3	10612.3	10637.1	10740.9	11371.5	12705.4	10285.4
45°	10231.2	10342.8	10895.8	11427.2	11655.0	11558.9	11664.3	11732.4	12215.8	13806.9	11173.2
47.5°	10799.8	10928.4	11606.9	12212.7	12612.4	12674.4	12886.6	12931.5	13283.2	15089.6	12330.4
50°	11909.0	11944.7	12558.2	13108.2	13684.5	14056.3	14298.0	14332.1	14575.3	16491.7	13775.9
52.5°	13304.9	13328.2	13675.2	14043.9	14699.2	15458.4	16023.8	16071.9	16123.0	17858.1	15202.7
55°	14691.5	14688.4	14917.7	15134.6	15884.4	16987.5	18214.5	18243.9	17876.7	19154.9	16293.4
57.5°	15557.5	15641.2	15989.8	16268.6	17315.9	18730.4	20433.0	20541.4	19718.8	20115.4	17371.7
60°	15281.8	15322.0	16095.1	17126.9	19099.1	21207.6	22677.8	22705.7	21103.8	21074.4	18735.0
62.5°	13019.9	13041.5	14256.2	16383.3	20002.3	24420.7	25385.9	24932.0	22696.4	22405.2	20366.4
65°	8923.7	9064.6	10079.4	12708.5	18343.1	26436.3	29578.2	28826.8	25124.1	24323.1	21841.3
67.5°	5255.0	5225.6	5727.6	7664.1	13472.2	25097.8	34881.3	34134.5	28434.8	25607.5	21409.0
70°	3589.6	3569.5	3761.6	4640.0	7605.2	19469.4	36549.8	38057.2	31358.3	24743.0	18425.2
72.5°	2562.5	2573.3	2856.8	3605.1	4774.8	11343.6	31431.1	34999.0	30442.7	21570.1	14005.2
75°	1739.8	1769.2	2175.1	2957.5	4186.1	5770.9	22304.5	26605.2	24789.5	15676.8	8049.9
77.5°	935.7	968.3	1447.0	2382.7	3784.8	4009.4	14347.6	18310.5	15571.5	7047.5	2333.2
80°	390.4	409.0	677.0	1732.1	3270.5	3521.4	8441.8	11103.4	6635.4	1389.7	520.5
82.5°	168.9	178.2	282.0	1033.3	2444.7	2973.0	4469.6	5341.8	2010.9	305.2	261.8
85°	32.5	34.1	116.2	546.9	1560.1	1677.8	2897.1	2839.8	903.2	131.7	190.6
87.5°	0.0	0.0	27.9	172.0	458.6	914.1	1767.7	1746.0	306.8	63.5	71.3
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: P323701
CATALOG NUMBER: GLEON-SA7D-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8	11005.8
2.5°	10919.1	10812.2	10587.5	10310.2	10098.0	9864.0	9678.1	9442.6	9340.4	9345.0	9289.3
5°	10674.3	10454.3	9957.0	9329.6	8846.2	8347.3	7918.2	7490.6	7238.1	7156.0	7078.5
7.5°	10324.2	9975.6	9182.4	8215.6	7397.6	6598.2	5902.6	5290.7	4903.4	4714.4	4644.6
10°	9929.1	9439.6	8291.6	7018.1	5849.9	4768.6	3866.9	3083.0	2770.1	2557.8	2503.6
12.5°	9582.1	8919.0	7420.9	5789.5	4403.0	3098.5	2238.7	1750.6	1538.4	1454.7	1440.8
15°	9255.2	8432.5	6582.7	4677.2	3048.9	1907.1	1423.8	1258.0	1208.4	1194.5	1194.5
17.5°	8946.9	7969.3	5763.2	3581.9	2017.1	1337.0	1179.0	1141.8	1126.3	1124.8	1126.3
20°	8624.6	7506.1	4957.6	2624.4	1408.3	1132.5	1089.1	1069.0	1064.3	1064.3	1064.3
22.5°	8316.3	7042.9	4173.7	1874.6	1129.4	1033.3	1011.7	997.7	993.1	991.5	988.4
25°	8020.4	6602.9	3408.3	1324.6	991.5	946.6	928.0	909.4	895.5	887.7	883.1
27.5°	7777.2	6210.9	2695.7	1062.8	895.5	856.7	833.5	805.6	771.5	756.0	749.8
30°	7583.6	5853.0	2077.5	897.0	805.6	766.9	731.2	683.2	633.6	607.3	605.8
32.5°	7431.7	5501.4	1577.1	793.2	725.0	677.0	625.9	565.5	508.2	478.7	477.2
35°	7357.4	5191.5	1205.3	717.3	653.8	593.4	529.8	463.2	407.5	379.6	376.5
37.5°	7406.9	4929.7	940.4	653.8	593.4	523.6	449.3	379.6	330.0	305.2	303.7
40°	7588.2	4762.4	763.8	599.6	542.2	457.0	376.5	311.4	269.6	249.4	247.9
42.5°	7974.0	4700.4	652.2	554.6	492.7	395.1	312.9	257.2	218.4	204.5	201.4
45°	8618.5	4791.8	576.3	511.3	441.5	336.2	258.7	210.7	176.6	165.8	164.2
47.5°	9476.7	5031.9	522.1	469.4	395.1	283.5	215.3	170.4	144.1	133.2	131.7
50°	10582.9	5413.1	477.2	427.6	351.7	240.1	178.2	134.8	111.5	103.8	103.8
52.5°	11786.7	5867.0	436.9	388.9	308.3	199.9	144.1	103.8	88.3	79.0	79.0
55°	12781.3	6263.6	393.5	359.4	255.6	165.8	110.0	79.0	65.1	60.4	60.4
57.5°	13774.3	6686.5	343.9	308.3	204.5	134.8	83.7	58.9	48.0	44.9	44.9
60°	15061.8	7204.0	295.9	251.0	161.1	102.3	62.0	41.8	35.6	34.1	34.1
62.5°	16477.8	7507.6	252.5	201.4	125.5	75.9	44.9	27.9	26.3	26.3	24.8
65°	17343.8	7078.5	212.2	161.1	97.6	57.3	29.4	20.1	23.2	21.7	18.6
67.5°	16239.2	5541.6	173.5	125.5	75.9	43.4	18.6	13.9	24.8	20.1	15.5
70°	*13445.9*	*3879.3*	*134.8*	*88.3*	*60.4*	*37.2*	*12.4*	*9.3*	*26.3*	*20.1*	*12.4*
72.5°	10062.3	2596.5	106.9	58.9	44.9	32.5	10.8	4.6	23.2	17.0	10.8
75°	5498.3	1045.7	85.2	37.2	27.9	23.2	7.7	3.1	15.5	12.4	7.7
77.5°	1447.0	275.8	62.0	24.8	15.5	9.3	4.6	1.5	7.7	6.2	3.1
80°	368.7	106.9	40.3	17.0	10.8	4.6	0.0	0.0	1.5	0.0	0.0
82.5°	196.8	44.9	24.8	12.4	6.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	148.7	29.4	13.9	7.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	57.3	9.3	4.6	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

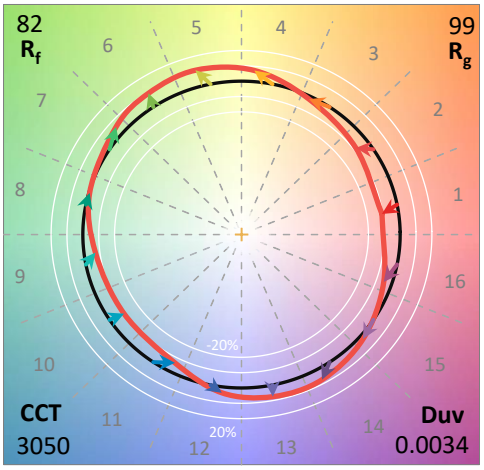
Test Information

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

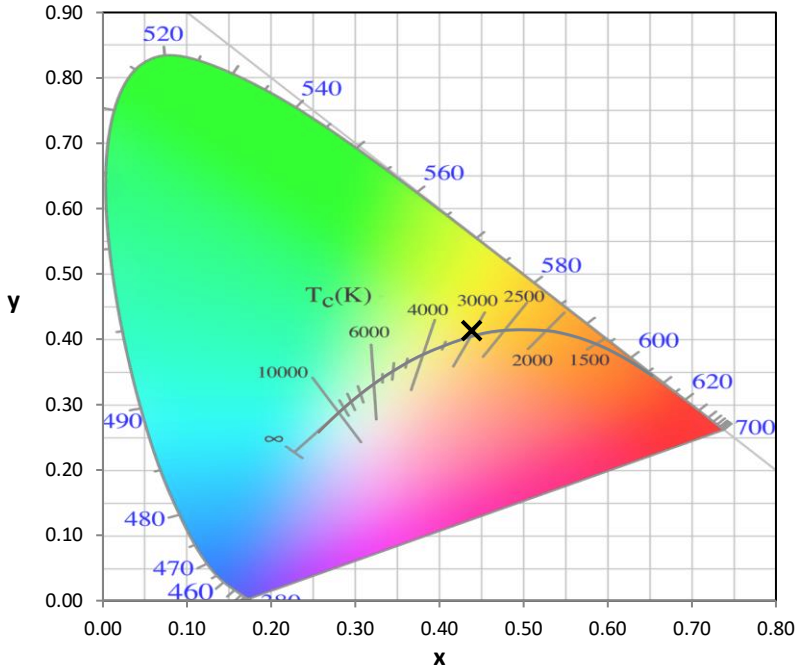
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

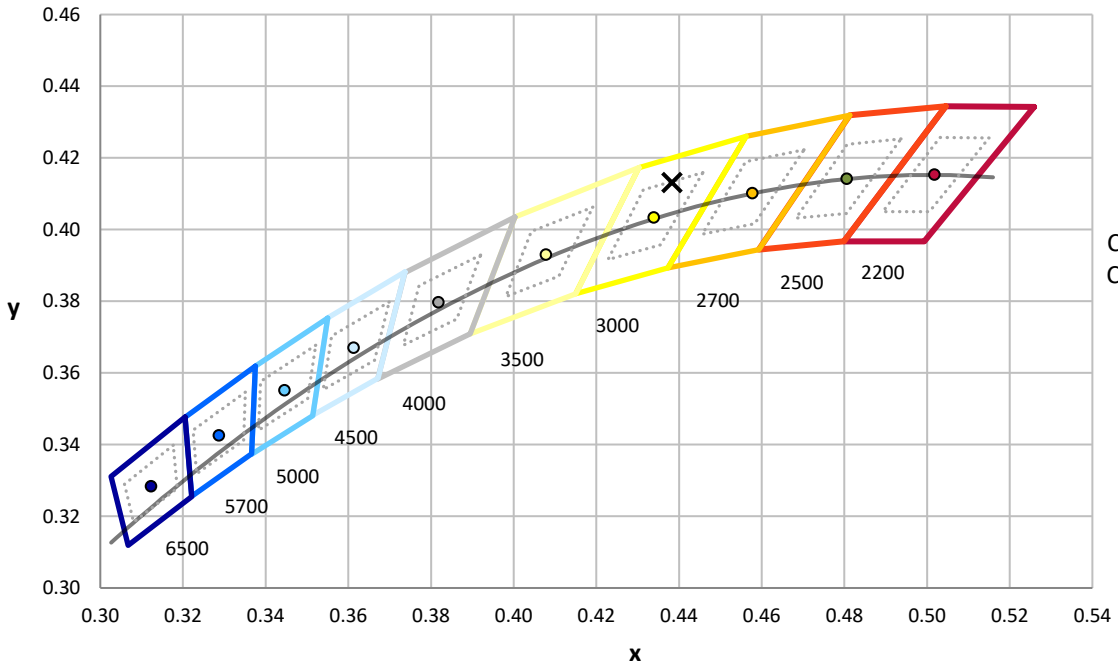
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

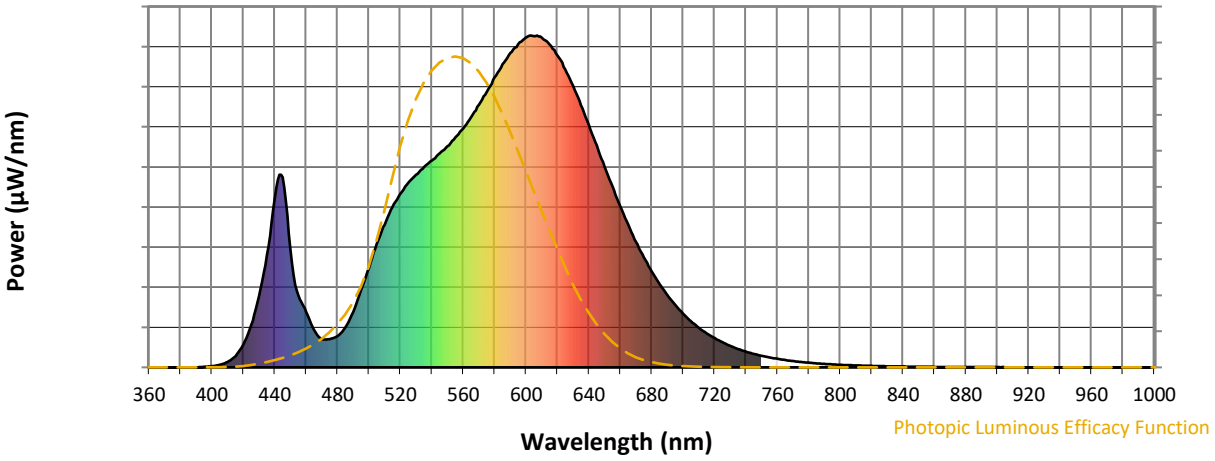


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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			

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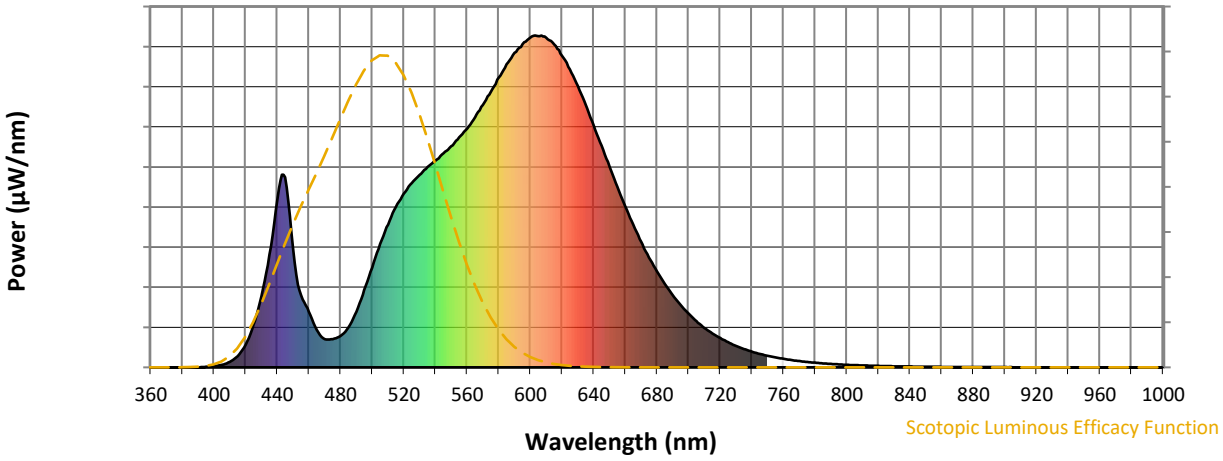
Scotopic Flux vs. Wavelength



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			

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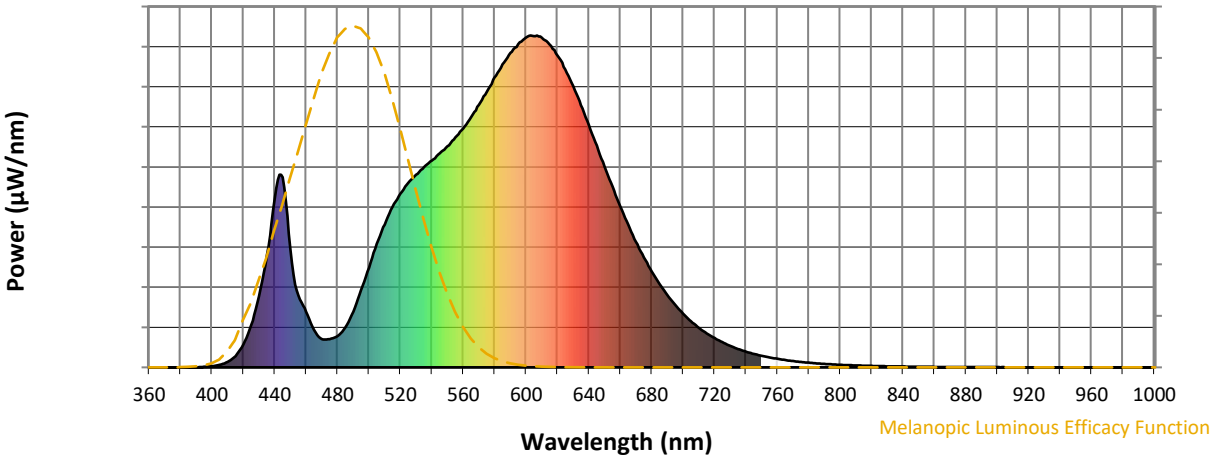
Melanopic Flux vs. Wavelength



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			

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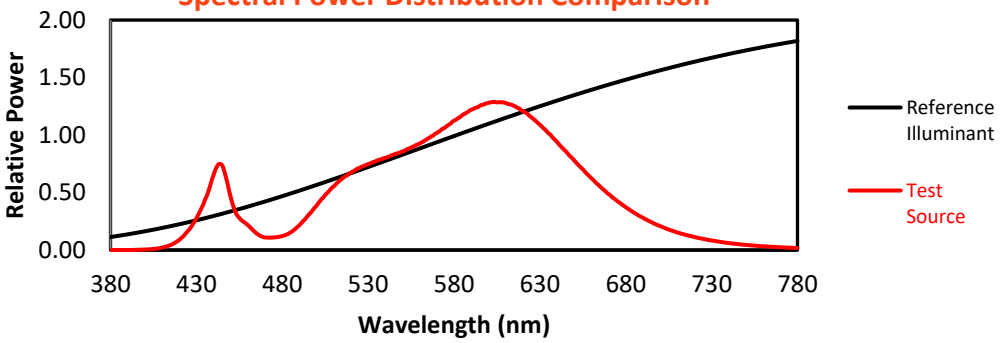
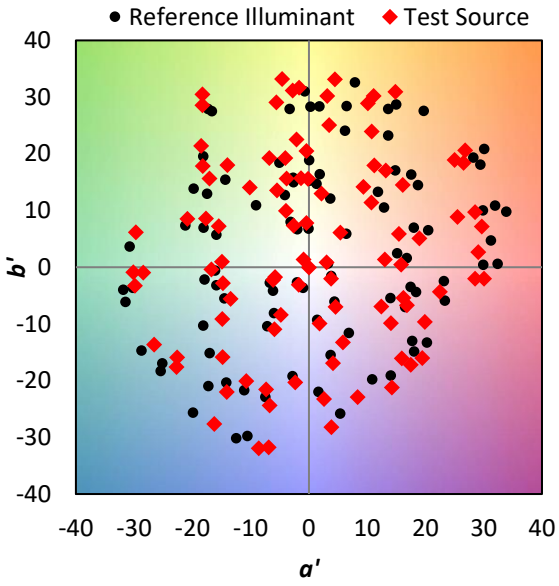
Summary

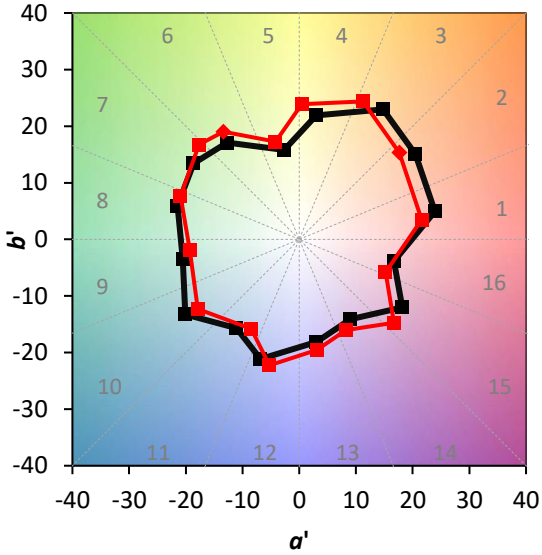
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

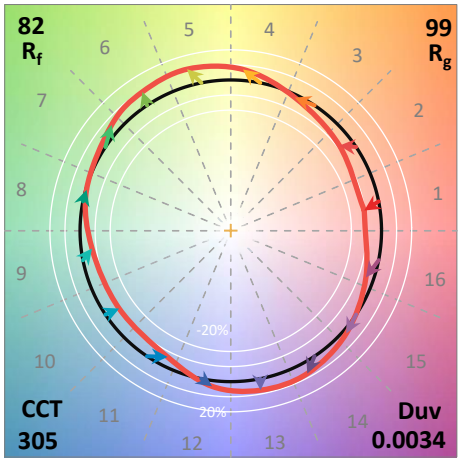
Spectral Power Distribution Comparison

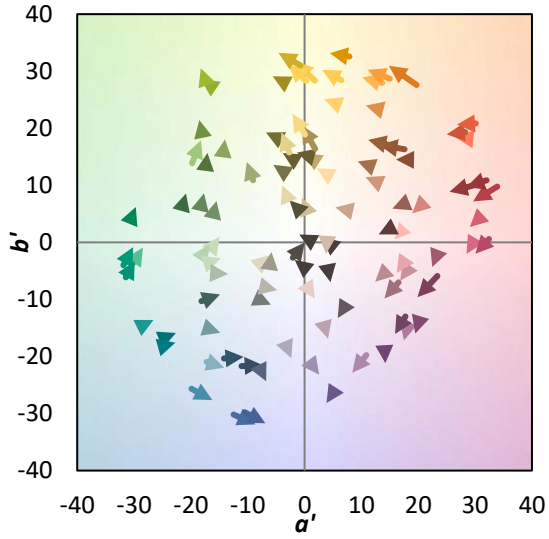


Color Vector Graphics









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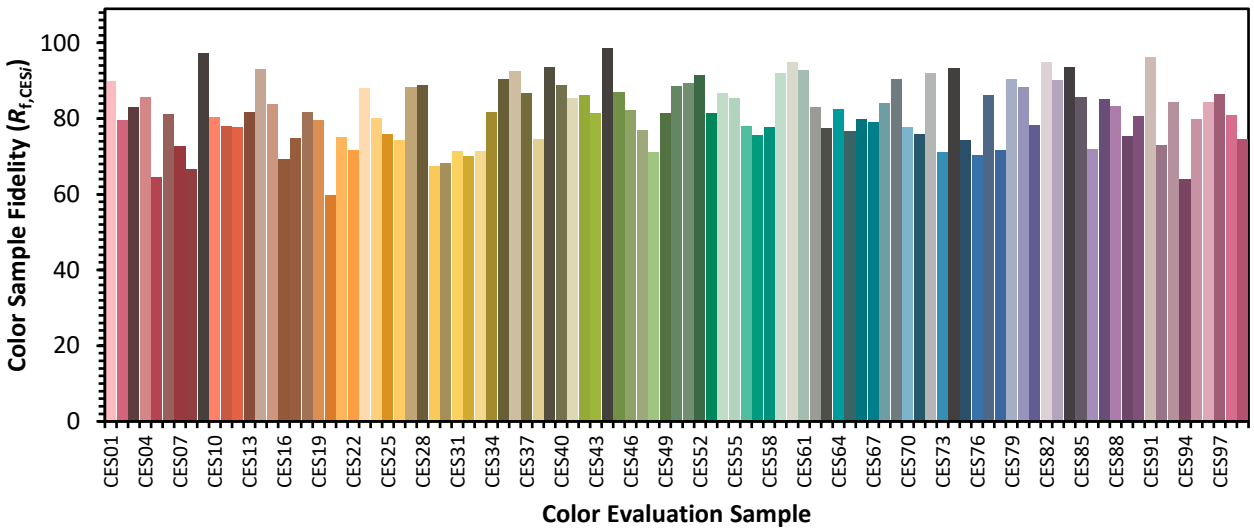
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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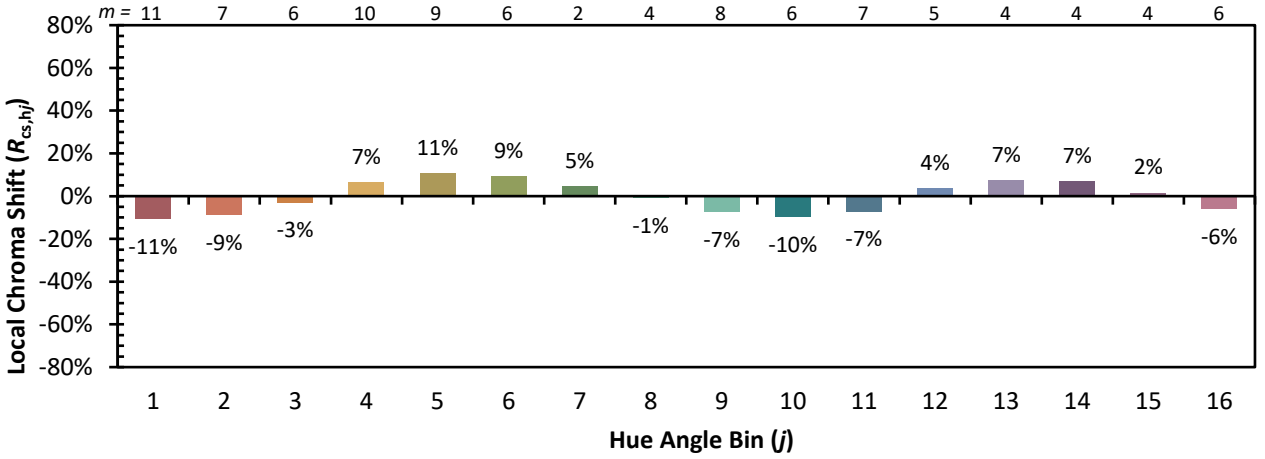
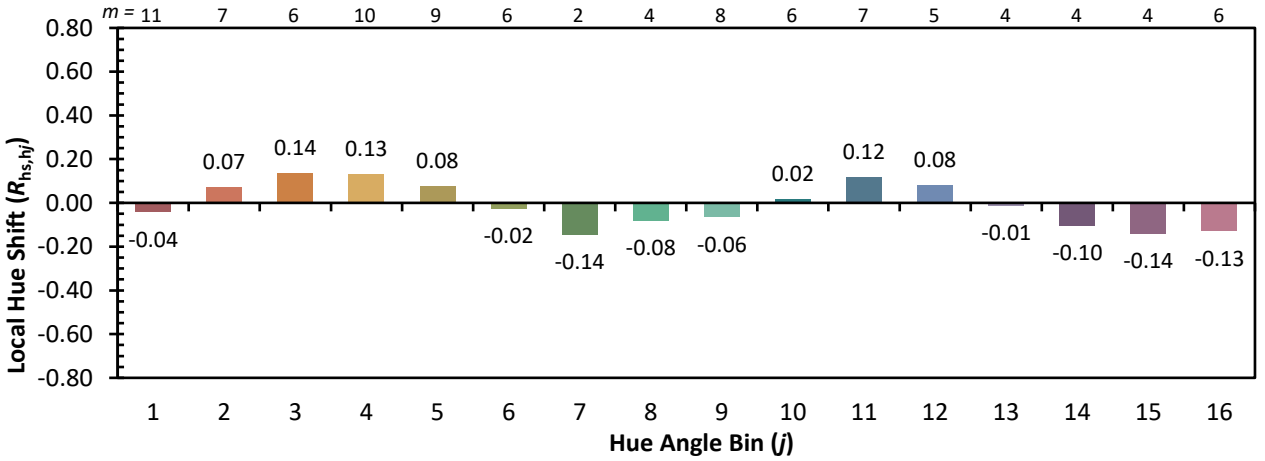
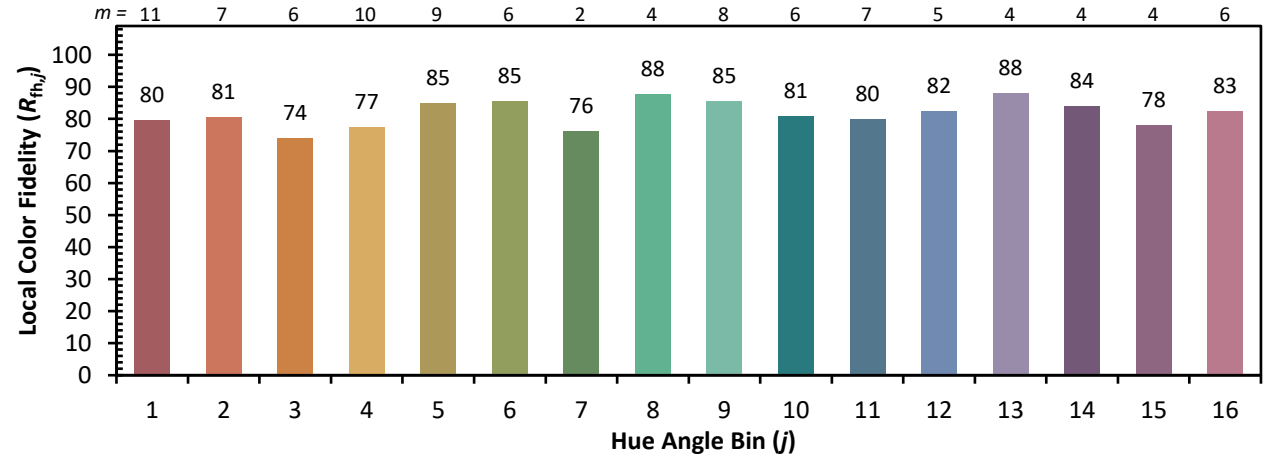
Color Rendition by Hue-Angle Bin







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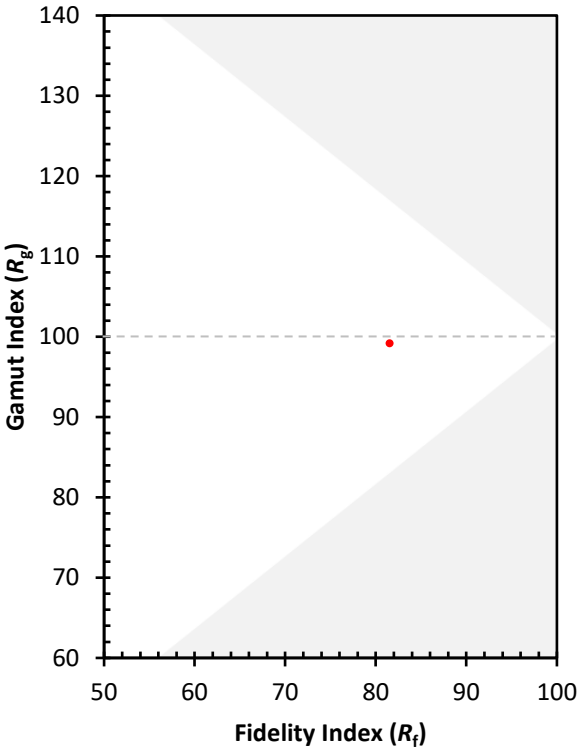
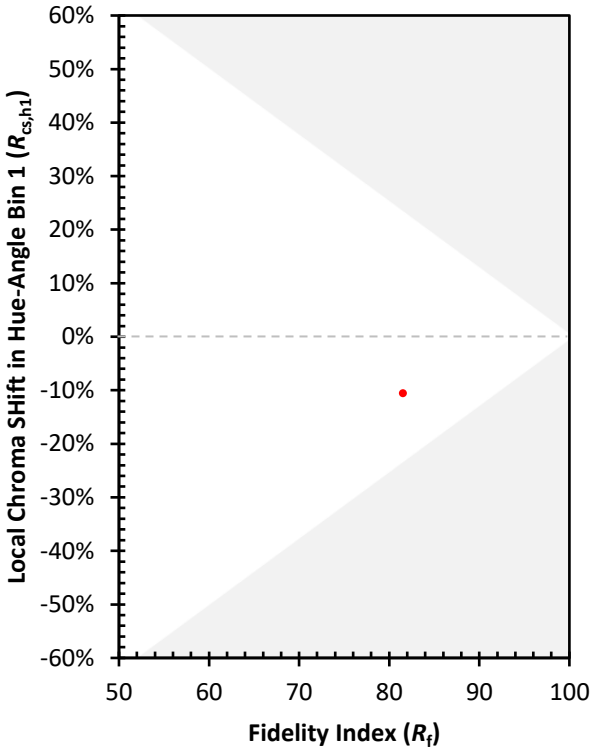
Measure Comparisons





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