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: P319220

Luminaire Tested: **GLEON-SA6D-830-U-T4W**

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:	P319220
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6D-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36619 lumens
Efficiency:	N/A
Efficacy:	95.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	382
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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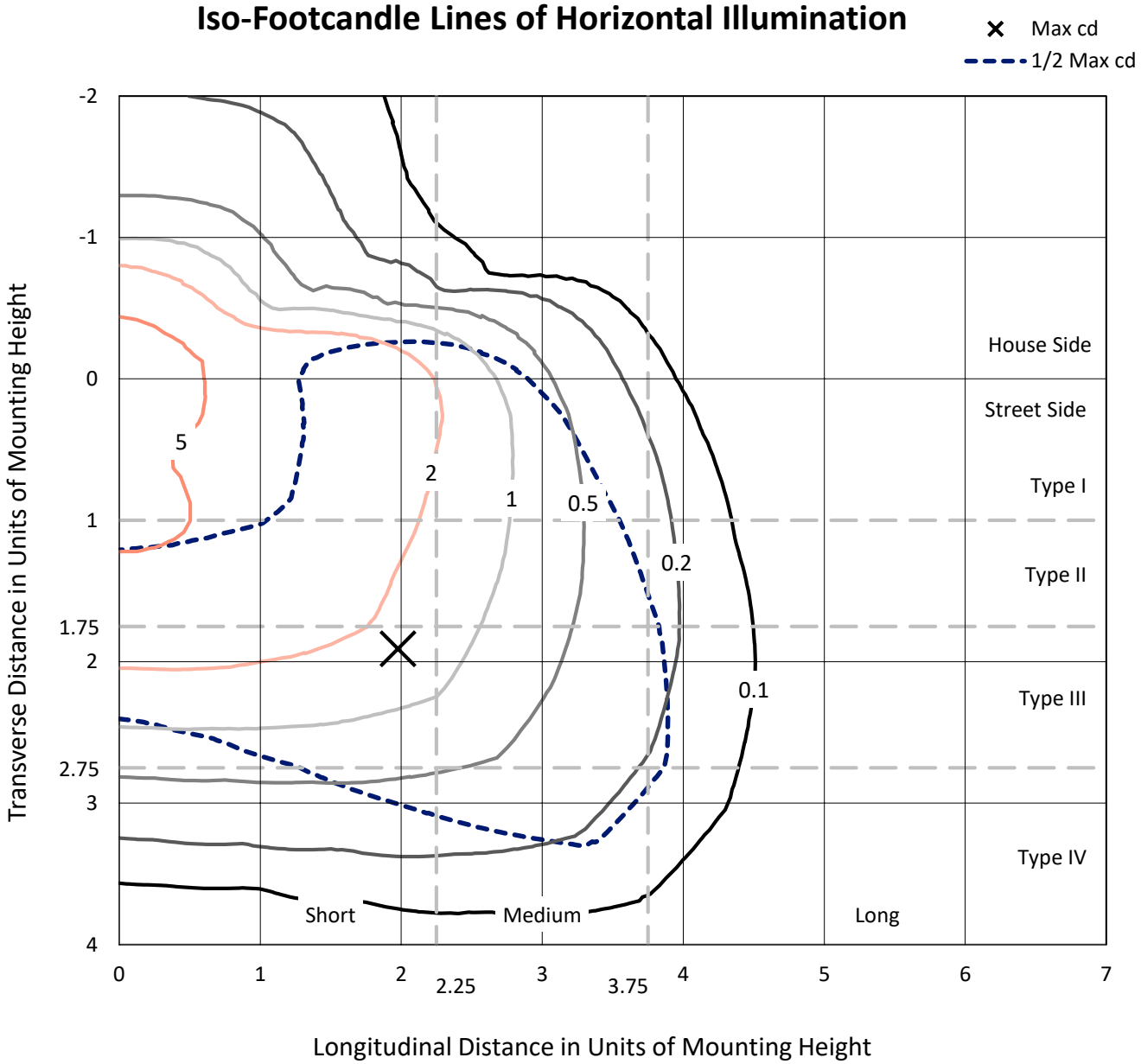
REPORT NUMBER: P319220
CATALOG NUMBER: GLEON-SA6D-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type IV - Short - N/A

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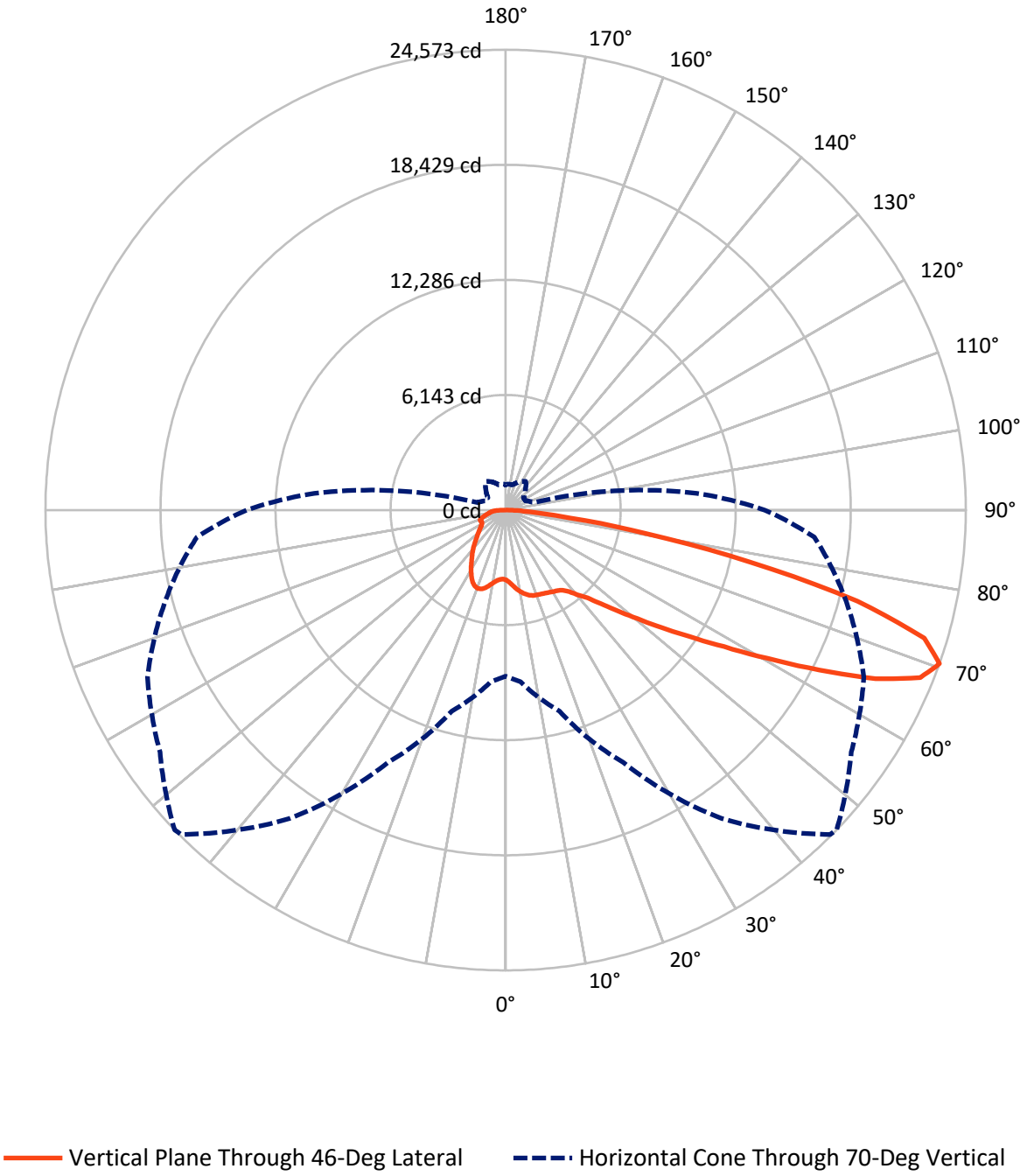
Luminous Intensity Polar Plot



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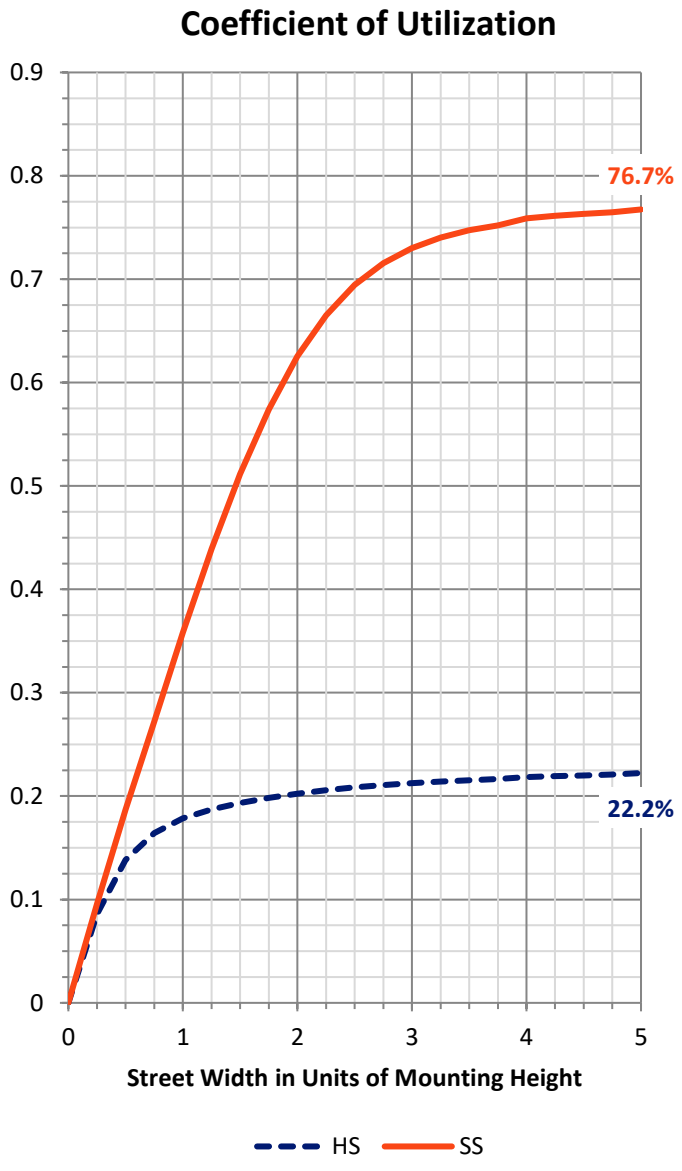
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8393.0	0.0	8393.0
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	28226.0	0.0	28226.0
	% Fixture	77.1	0.0	77.1
Total	Lumens	36619.0	0.0	36619.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.3	1.0
10°-20°	1267.1	3.5
20°-30°	2112.8	5.8
30°-40°	2998.2	8.2
40°-50°	4410.1	12.0
50°-60°	7468.6	20.4
60°-70°	10601.5	29.0
70°-80°	6440.5	17.6
80°-90°	939.9	2.6
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°	36619.0	100.0
0°-180°	36619.0	100.0



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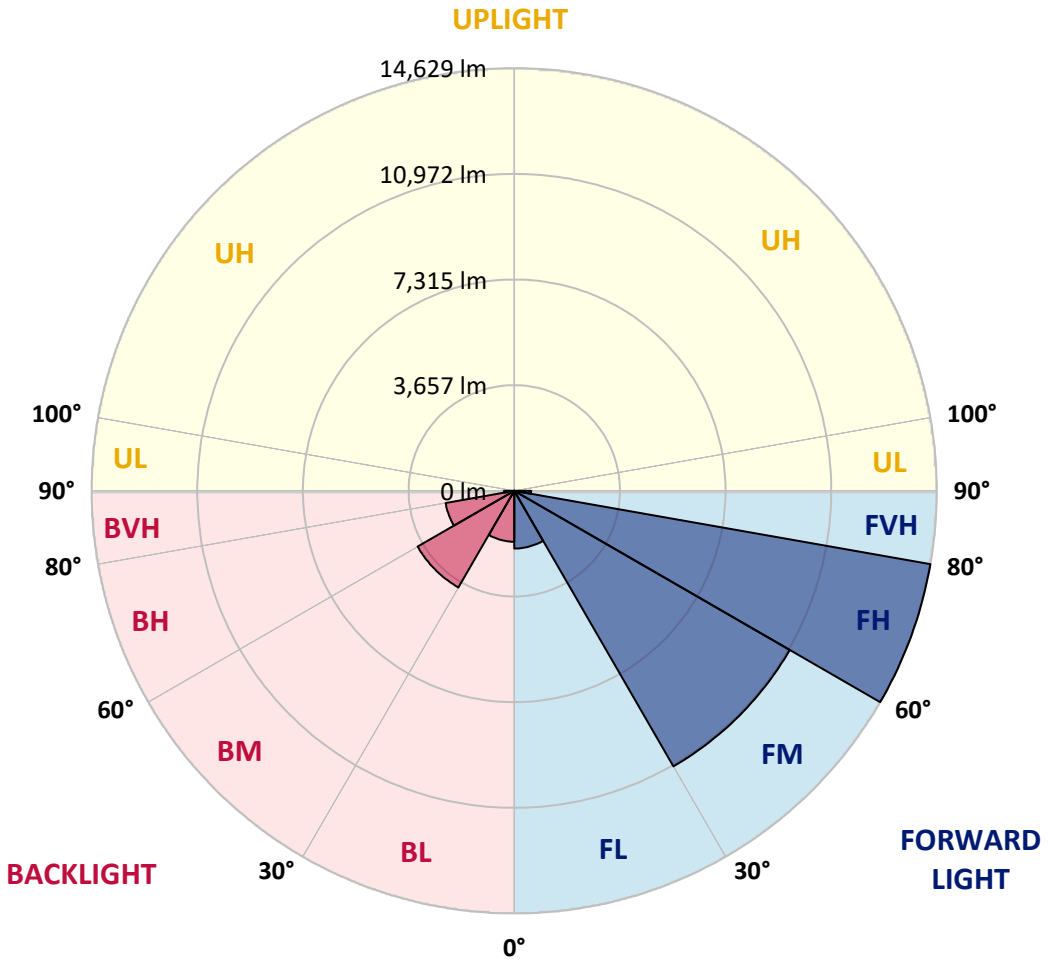
CATALOG NUMBER: GLEON-SA6D-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1998.1	5.5			
FM	(30°-60°)	11013.4	30.1			
FH	(60°-80°)	14629.1	39.9			G5
FVH	(80°-90°)	585.5	1.6			G4/750
BL	(0°-30°)	1762.1	4.8	B3/2500		
BM	(30°-60°)	3863.5	10.6	B3/5000		
BH	(60°-80°)	2412.9	6.6	B3/2500		G3/2500
BVH	(80°-90°)	354.4	1.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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REPORT NUMBER: P319220
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3730.8	3730.8	3730.8	3730.8	3730.8	3730.8	*3730.8*	3730.8	3730.8	3730.8	3730.8
2.5°	3917.5	3920.0	3925.0	3912.5	3877.4	3867.4	*3863.6*	3827.3	3803.4	3768.4	3738.3
5°	4230.8	4233.3	4225.8	4190.7	4113.0	4055.3	*4050.3*	3967.6	3892.4	3812.2	3752.1
7.5°	4557.9	4561.6	4537.8	4471.4	4362.4	4262.1	*4255.8*	4143.1	4029.0	3907.5	3817.2
10°	4847.4	4832.3	4793.5	4700.7	4571.7	4448.8	*4443.8*	4326.0	4194.4	4047.8	3927.5
12.5°	5040.3	5027.8	4977.7	4864.9	4723.3	4610.5	*4600.5*	4491.4	4363.6	4203.2	4059.1
15°	5146.9	5155.6	5088.0	4960.1	4822.3	4727.0	*4718.3*	4640.6	4526.5	4364.9	4199.5
17.5°	5160.7	5168.2	5103.0	4976.4	4863.6	4798.5	*4794.7*	4743.3	4660.6	4505.2	4332.3
20°	5080.4	5085.5	5031.6	4927.6	4853.6	4833.6	*4832.3*	4809.8	4748.4	4610.5	4442.6
22.5°	4963.9	4967.7	4928.8	4853.6	4828.6	4859.9	*4868.7*	4859.9	4816.0	4686.9	4529.0
25°	4935.1	4932.6	4892.5	4816.0	4837.3	4903.7	*4915.0*	4918.8	4888.7	4775.9	4639.3
27.5°	5074.2	5065.4	4989.0	4866.2	4879.9	4960.1	*4975.2*	5011.5	4992.7	4893.7	4764.6
30°	5476.5	5461.4	5304.8	5056.6	4989.0	5030.3	*5049.1*	5106.8	5110.5	5027.8	4931.3
32.5°	6155.7	6136.9	5856.2	5412.5	5173.2	5101.8	*5119.3*	5205.8	5252.1	5188.2	5084.2
35°	7014.1	6992.8	6624.4	6017.8	5481.5	5238.4	*5250.9*	5319.8	5412.5	5322.3	5184.5
37.5°	7908.9	7857.5	7502.9	6729.7	5971.5	5530.3	*5530.3*	5539.1	5583.0	5395.0	5302.3
40°	8798.7	8747.3	8426.5	7566.8	6605.6	5990.3	*5961.4*	5767.2	5732.1	5570.4	5539.1
42.5°	9625.8	9610.7	9421.5	8512.9	7350.0	6442.7	*6402.6*	6073.0	6080.5	5980.2	5981.5
45°	10505.5	10505.5	10351.4	9467.9	8217.2	7169.5	*7129.4*	6644.4	6719.6	6673.3	6784.8
47.5°	11223.6	11246.2	11224.9	10462.9	9226.0	8093.1	*8020.4*	7436.5	7647.0	7806.1	8130.7
50°	11956.7	11991.8	11995.6	11554.5	10445.4	9190.9	*9108.2*	8487.9	8957.8	9414.0	10051.9
52.5°	13020.7	13099.6	12785.1	12643.5	11939.2	10494.2	*10412.8*	9840.1	10624.6	11265.0	12364.0
55°	14007.0	13938.0	13713.7	13801.4	13538.3	11978.0	*11916.6*	11414.1	12481.8	13313.9	14741.3
57.5°	14540.8	14535.8	14761.4	15137.3	15262.7	13807.7	*13756.3*	13267.6	14575.9	15201.2	16973.3
60°	15167.4	15176.2	15735.1	16588.5	17104.8	16086.0	*16063.4*	15692.5	16609.8	16963.2	18724.0
62.5°	15255.1	15413.0	16375.5	17844.2	18829.2	18747.8	*18797.9*	17876.8	18429.5	18369.3	20031.1
65°	14246.3	14454.3	16196.3	18224.0	20543.6	21659.0	*21705.3*	20073.7	19864.4	19571.1	20498.5
67.5°	12178.5	12486.8	14379.2	17398.1	21108.8	23810.7	*23875.9*	21776.8	21054.9	19978.4	19373.1
70°	*8862.6*	*9204.7*	*11109.6*	*14859.1*	*20101.2*	*24498.7*	*24572.6*	*22529.9*	*21100.0*	*18819.2*	*16538.4*
72.5°	5353.6	5621.8	7192.1	10939.1	16965.7	23245.5	*23377.1*	21575.0	19264.1	15940.6	12212.4
75°	2351.0	2526.4	3477.6	6303.6	12146.0	19232.8	*19396.9*	18467.1	15652.4	11584.5	7218.4
77.5°	1001.3	1051.4	1426.1	2738.2	6866.3	13142.2	*13367.8*	13493.1	10619.6	6303.6	3050.3
80°	624.1	644.1	807.1	1239.4	3213.2	7381.3	*7624.4*	7939.0	5273.4	2317.2	1065.2
82.5°	379.7	402.3	536.4	749.4	1673.0	3346.0	*3462.6*	3684.4	2046.5	1001.3	551.4
85°	228.1	244.4	328.3	473.7	952.4	1315.9	*1314.6*	1453.7	963.7	644.1	290.7
87.5°	109.0	121.6	175.4	245.6	480.0	493.8	*462.4*	523.8	585.2	422.3	146.6
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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CATALOG NUMBER: GLEON-SA6D-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3730.8	3730.8	3730.8	3730.8	3730.8	3730.8	3730.8	3730.8	3730.8	3730.8	3730.8
2.5°	3728.3	3723.2	3706.9	3694.4	3691.9	3684.4	3678.1	3681.9	3686.9	3688.2	3688.2
5°	3727.0	3713.2	3691.9	3683.1	3694.4	3709.5	3728.3	3753.3	3768.4	3779.6	3787.2
7.5°	3787.2	3760.8	3737.0	3732.0	3754.6	3794.7	3837.3	3889.9	3926.3	3951.3	3956.3
10°	3887.4	3854.8	3831.0	3836.0	3876.1	3933.8	3993.9	4061.6	4116.7	4150.6	4153.1
12.5°	4002.7	3971.4	3948.8	3970.1	4036.5	4106.7	4169.4	4228.3	4278.4	4312.2	4312.2
15°	4135.5	4113.0	4086.7	4135.5	4225.8	4288.4	4314.7	4343.6	4371.1	4396.2	4391.2
17.5°	4263.4	4242.1	4228.3	4285.9	4379.9	4408.7	4391.2	4369.9	4369.9	4383.7	4386.2
20°	4373.6	4354.9	4363.6	4420.0	4468.9	4438.8	4373.6	4306.0	4278.4	4285.9	4293.4
22.5°	4470.1	4461.4	4487.7	4514.0	4478.9	4373.6	4253.3	4161.9	4128.0	4125.5	4128.0
25°	4582.9	4581.7	4614.3	4566.6	4411.2	4217.0	4055.3	3966.4	3947.6	3962.6	3987.7
27.5°	4723.3	4737.1	4753.4	4579.2	4273.4	3980.1	3816.0	3754.6	3773.4	3809.7	3833.5
30°	4902.5	4940.1	4905.0	4547.8	4075.4	3709.5	3552.8	3535.3	3586.6	3638.0	3663.1
32.5°	5076.7	5135.6	5050.4	4466.4	3819.7	3422.5	3300.9	3295.9	3358.6	3408.7	3443.8
35°	5217.0	5333.6	5159.4	4304.7	3524.0	3158.0	3069.1	3035.2	3057.8	3116.7	3156.8
37.5°	5400.0	5594.3	5234.6	4057.8	3203.2	2940.0	2836.0	2758.3	2738.2	2762.0	2782.1
40°	5734.6	5991.5	5269.7	3713.2	2889.9	2721.9	2616.7	2502.6	2423.7	2366.0	2367.3
42.5°	6281.0	6509.1	5247.1	3294.6	2600.4	2508.9	2389.8	2258.3	2130.4	2000.1	1990.1
45°	7168.3	7278.6	5179.5	2851.0	2346.0	2285.8	2174.3	2042.7	1872.3	1724.4	1710.6
47.5°	8588.1	8343.8	5074.2	2463.8	2121.7	2096.6	1993.8	1842.2	1661.7	1542.7	1532.7
50°	10524.3	9881.4	5022.8	2155.5	1923.7	1931.2	1847.2	1686.8	1516.4	1428.6	1418.6
52.5°	12840.2	11672.3	5121.8	1917.4	1764.5	1790.8	1728.2	1577.8	1434.9	1366.0	1356.0
55°	15242.6	13527.0	5228.3	1744.4	1614.1	1665.5	1644.2	1520.1	1391.0	1327.1	1318.4
57.5°	17299.1	14911.8	5015.3	1604.1	1480.0	1560.2	1579.0	1483.8	1368.5	1310.8	1300.8
60°	18593.6	15469.4	4456.4	1472.5	1373.5	1476.3	1541.4	1473.8	1377.3	1372.2	1364.7
62.5°	19207.7	15420.6	3618.0	1368.5	1307.1	1439.9	1569.0	1530.2	1477.5	1522.6	1526.4
65°	18932.0	14683.7	2694.4	1299.6	1259.5	1453.7	1651.7	1636.7	1506.3	1551.5	1557.7
67.5°	17117.4	12925.4	1995.1	1239.4	1206.8	1492.6	1802.1	1671.8	1449.9	1482.5	1462.5
70°	*13835.3*	*10247.4*	*1538.9*	*1171.7*	*1152.9*	*1487.5*	*1869.8*	*1650.5*	*1388.5*	*1396.1*	*1342.2*
72.5°	9540.6	6987.8	1251.9	1109.1	1075.2	1356.0	1822.1	1597.8	1337.2	1279.5	1208.1
75°	5188.2	3750.8	1064.0	1043.9	938.6	1190.5	1734.4	1560.2	1290.8	1214.3	1174.2
77.5°	2041.5	1556.5	923.6	954.9	820.8	1051.4	1636.7	1488.8	1226.9	1126.6	1106.6
80°	833.4	794.5	765.7	825.9	705.5	919.8	1518.9	1404.8	1150.4	1045.2	1005.1
82.5°	472.5	493.8	595.3	651.7	572.7	847.2	1462.5	1337.2	1058.9	936.1	888.5
85°	241.9	289.5	414.8	467.4	421.1	720.6	1347.2	1170.5	849.7	716.8	720.6
87.5°	116.5	161.7	261.9	293.2	273.2	521.3	1006.3	848.4	661.7	523.8	507.5
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

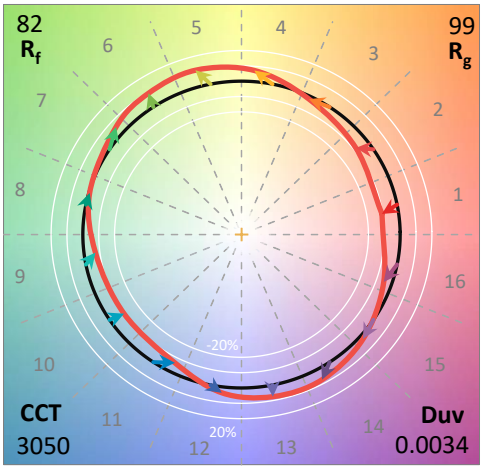
Test Information

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

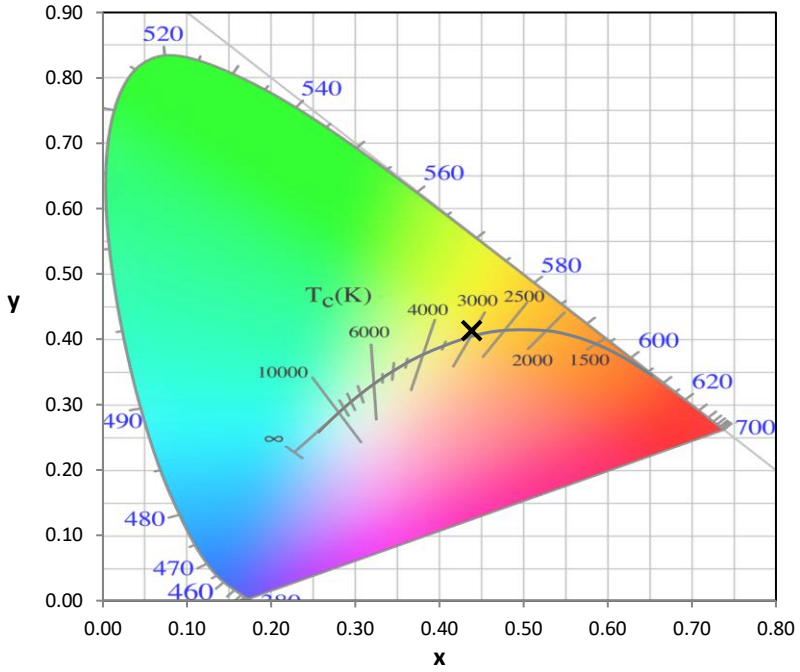
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

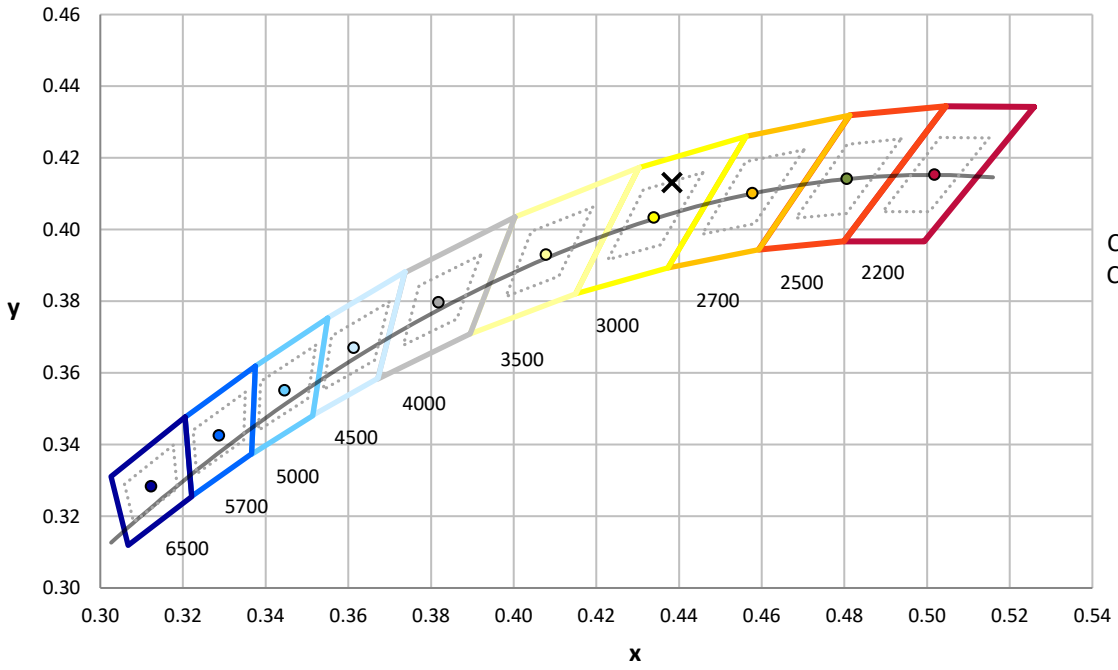
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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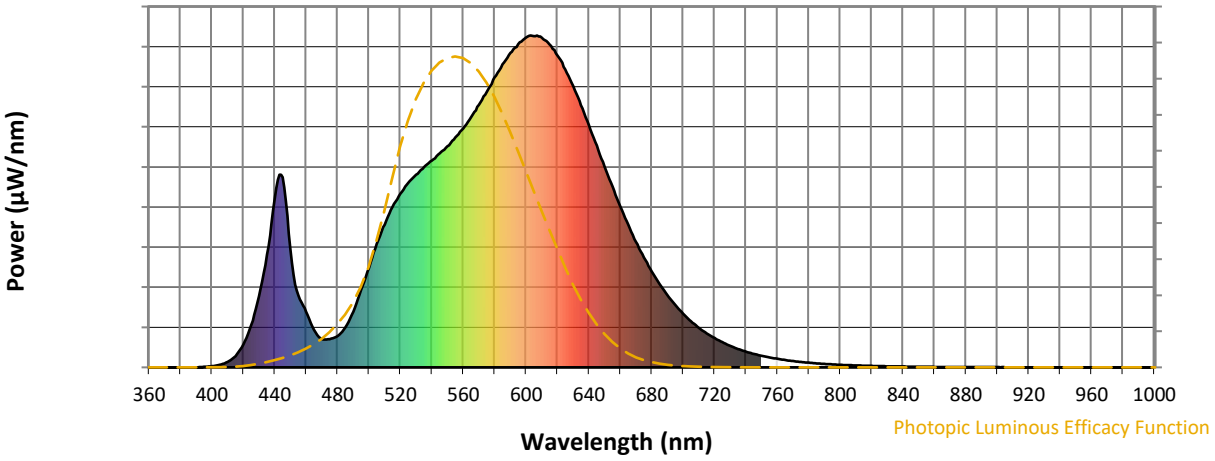
Photopic Flux vs. Wavelength



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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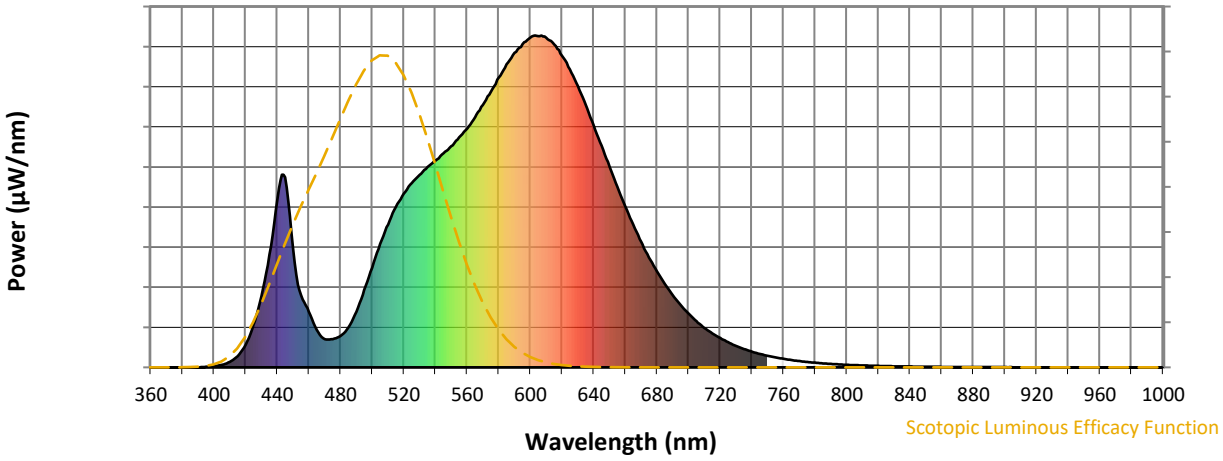
Scotopic Flux vs. Wavelength



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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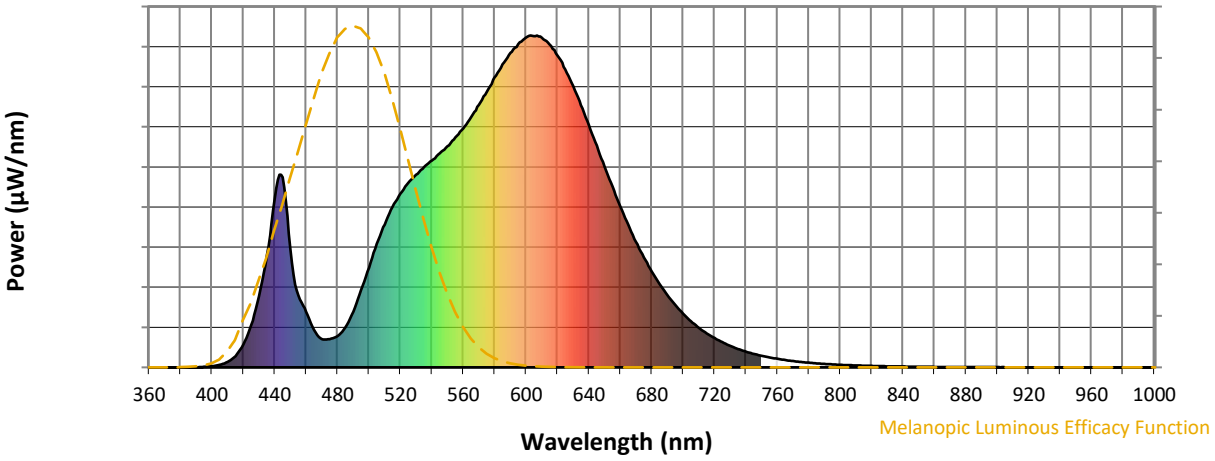
Melanopic Flux vs. Wavelength



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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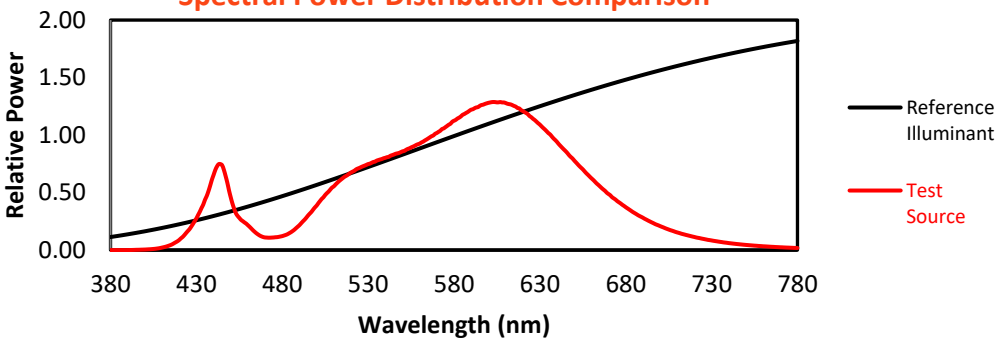
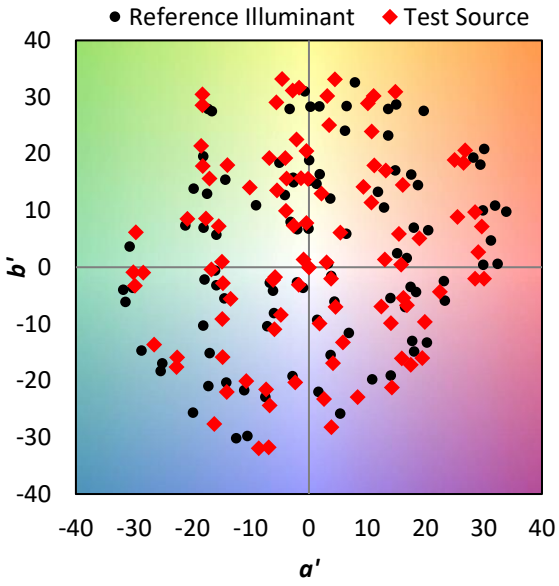
Summary

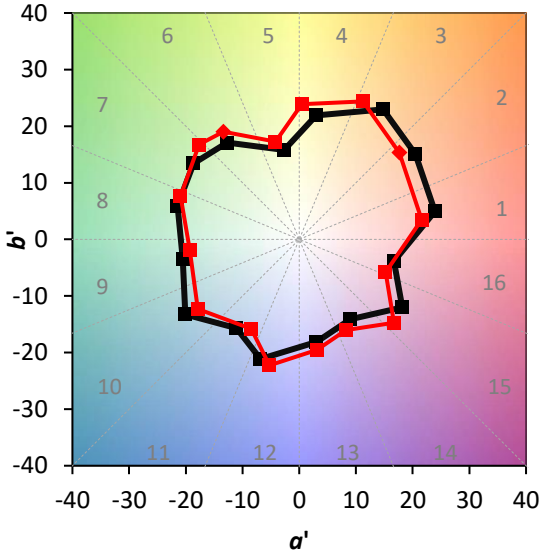
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

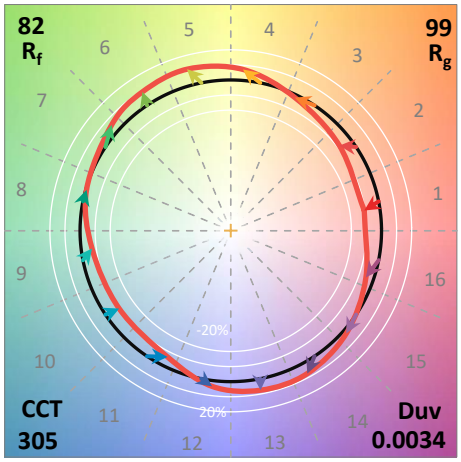
Spectral Power Distribution Comparison

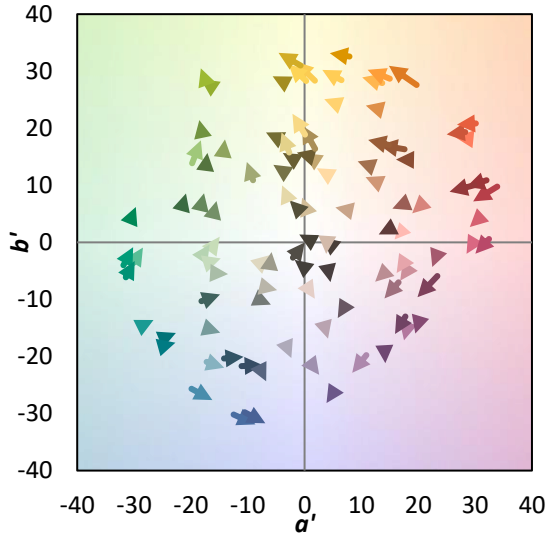


Color Vector Graphics









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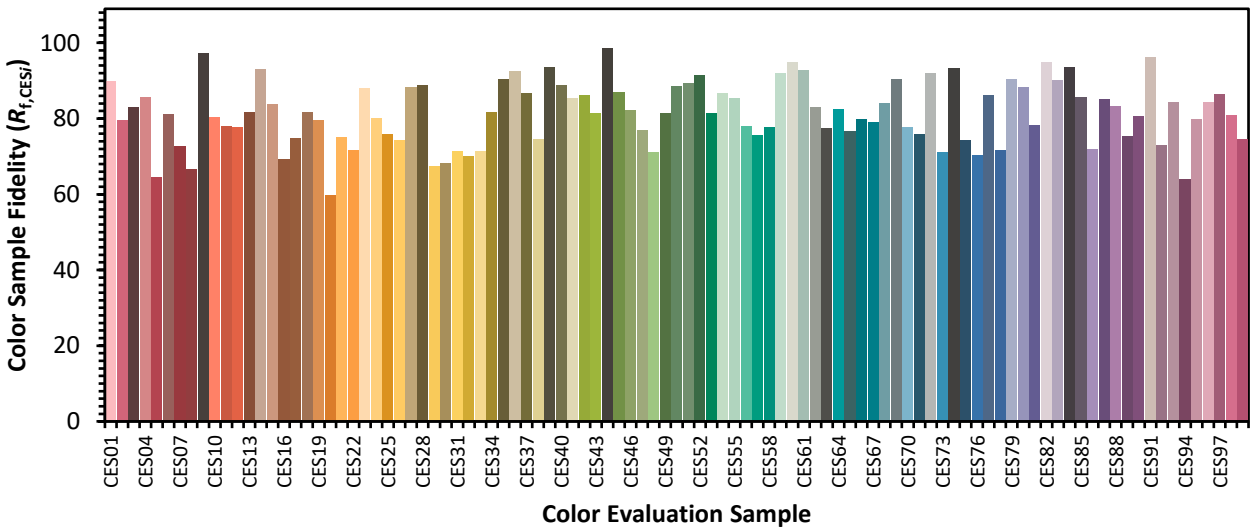
Individual Sample Fidelity Index ($R_{f,i}$)

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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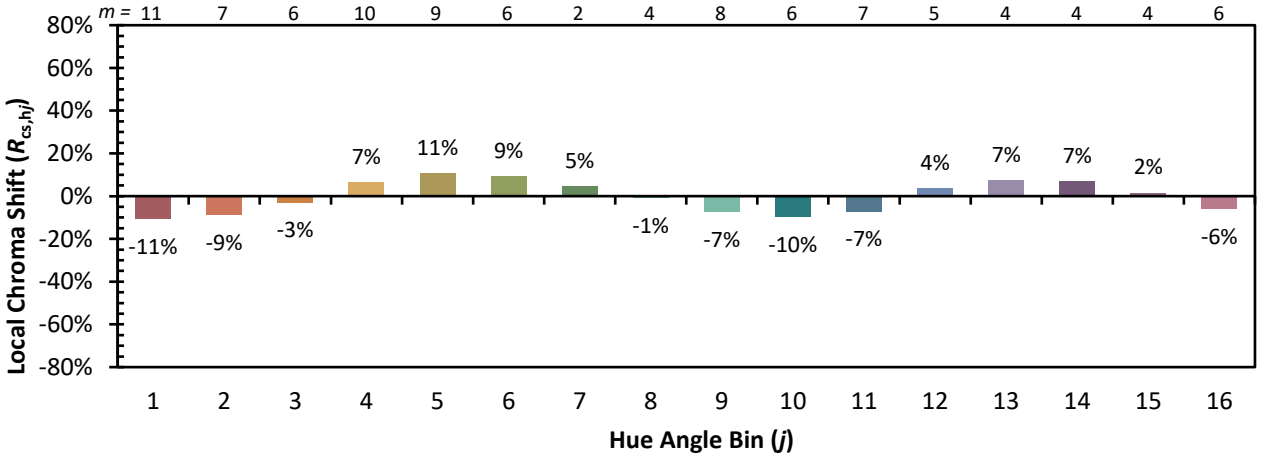
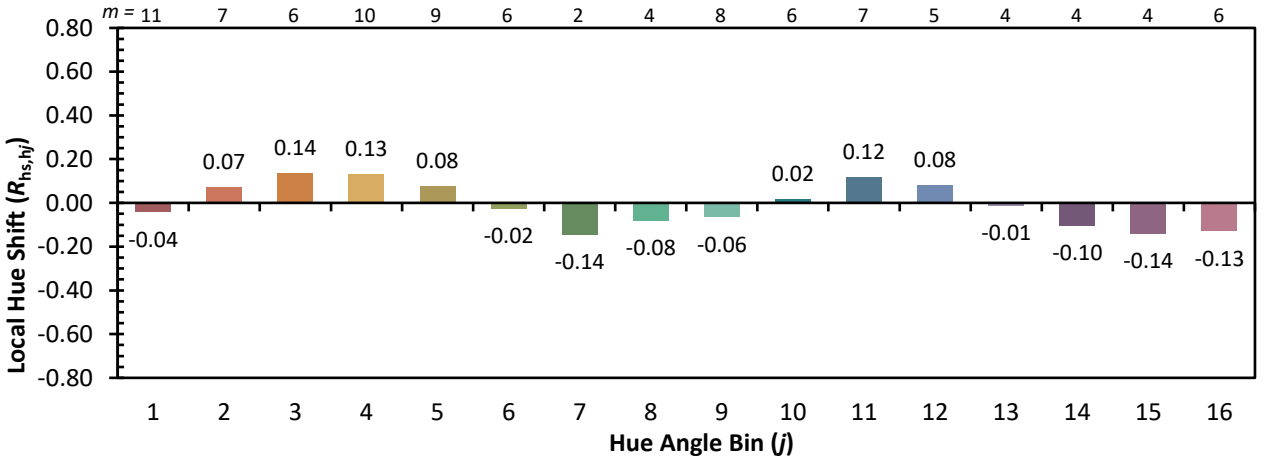
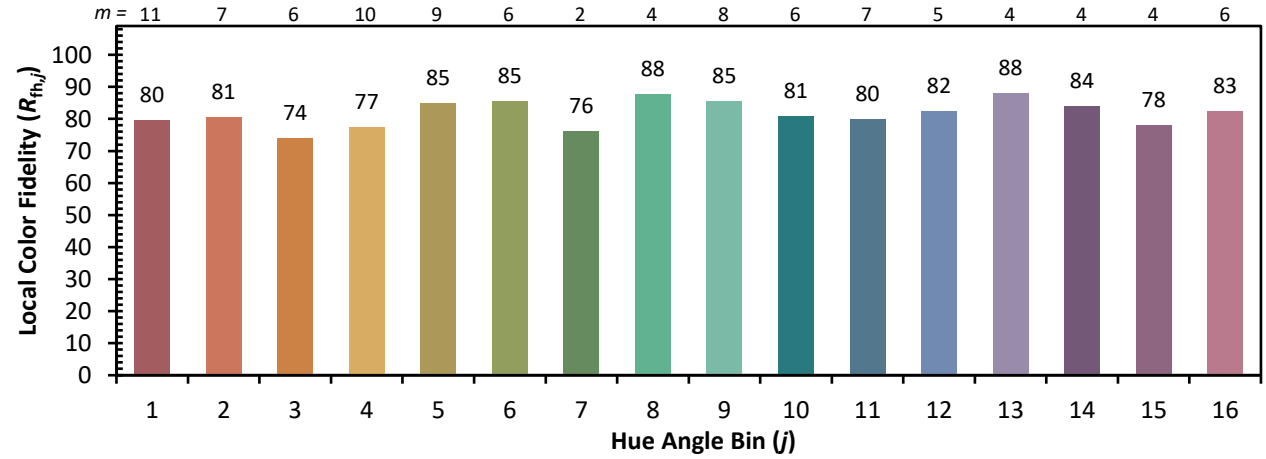
Color Rendition by Hue-Angle Bin







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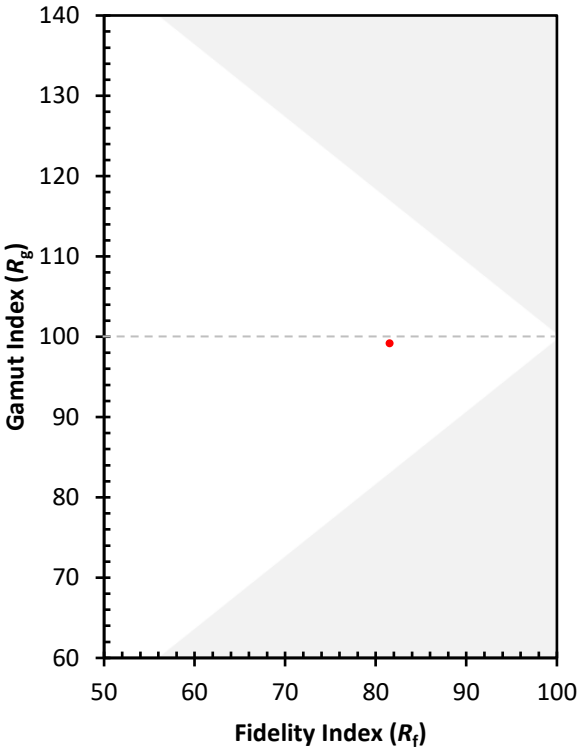
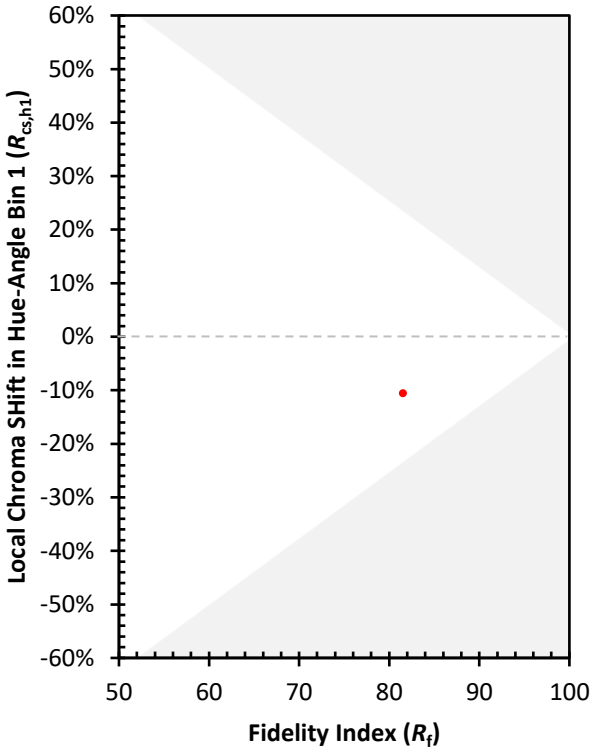
Measure Comparisons





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