Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1502683

Luminaire Tested: GSS-SB4C-830-U-T4LG-HSS

Issue Date: 07/20/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1502683
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-830-U-T4LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 80CRI 3000K FIXTURE w/ TYPE IV LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20951.6 lumens
Efficiency:	N/A
Efficacy:	102.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

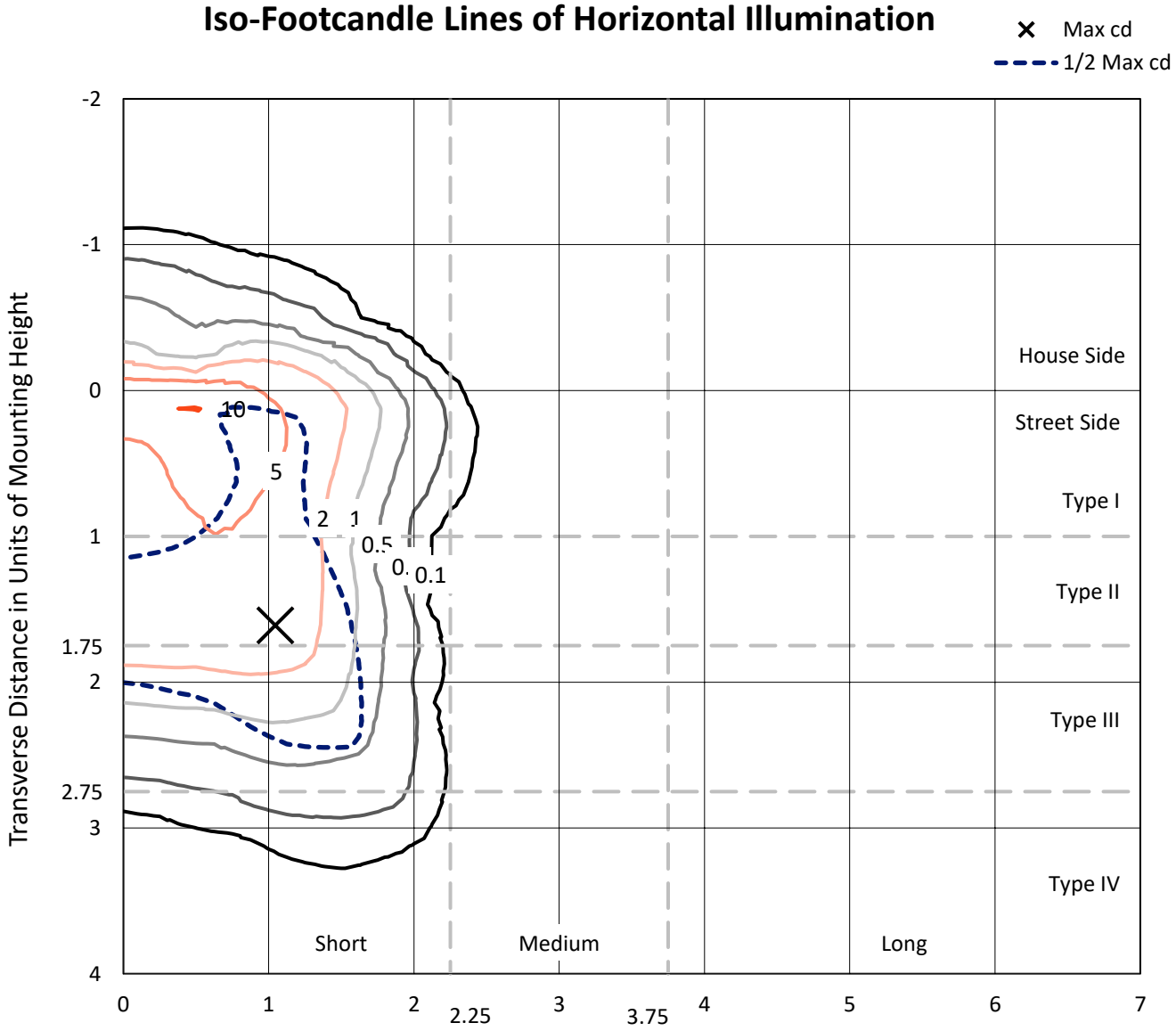
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Scaled Data Report

REPORT NUMBER: P1502683
CATALOG NUMBER: GSS-SB4C-830-U-T4LG-HSS

Iso-Footcandle Lines of Horizontal Illumination



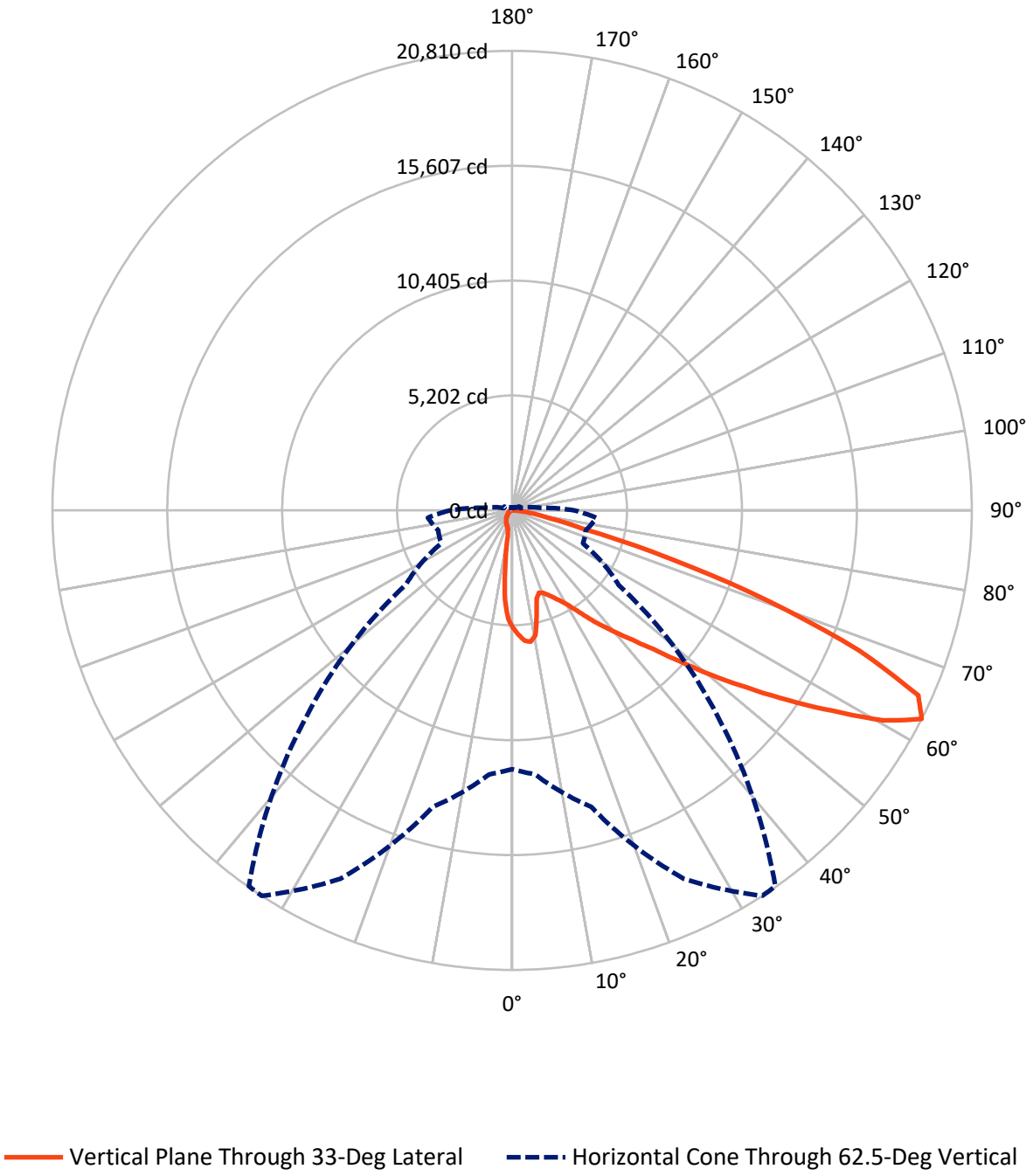
Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
Type III - Short - N/A

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REPORT NUMBER: P1502683
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Luminous Intensity Polar Plot



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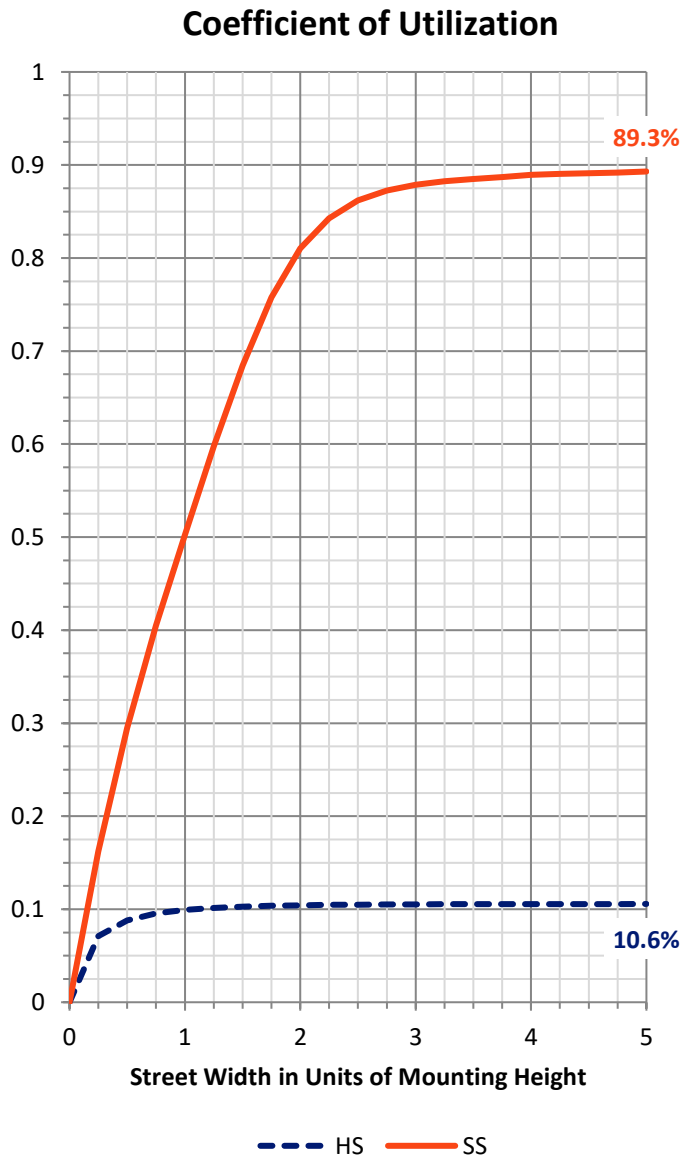
REPORT NUMBER: P1502683
CATALOG NUMBER: GSS-SB4C-830-U-T4LG-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2229.4	0.0	2229.4
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	18722.2	0.0	18722.2
	% Fixture	89.4	0.0	89.4
Total	Lumens	20951.6	0.0	20951.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.5	2.2
10°-20°	1009.7	4.8
20°-30°	1627.3	7.8
30°-40°	2707.2	12.9
40°-50°	4278.8	20.4
50°-60°	5748.5	27.4
60°-70°	4220.0	20.1
70°-80°	835.2	4.0
80°-90°	72.6	0.3
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°	20951.6	100.0
0°-180°	20951.6	100.0



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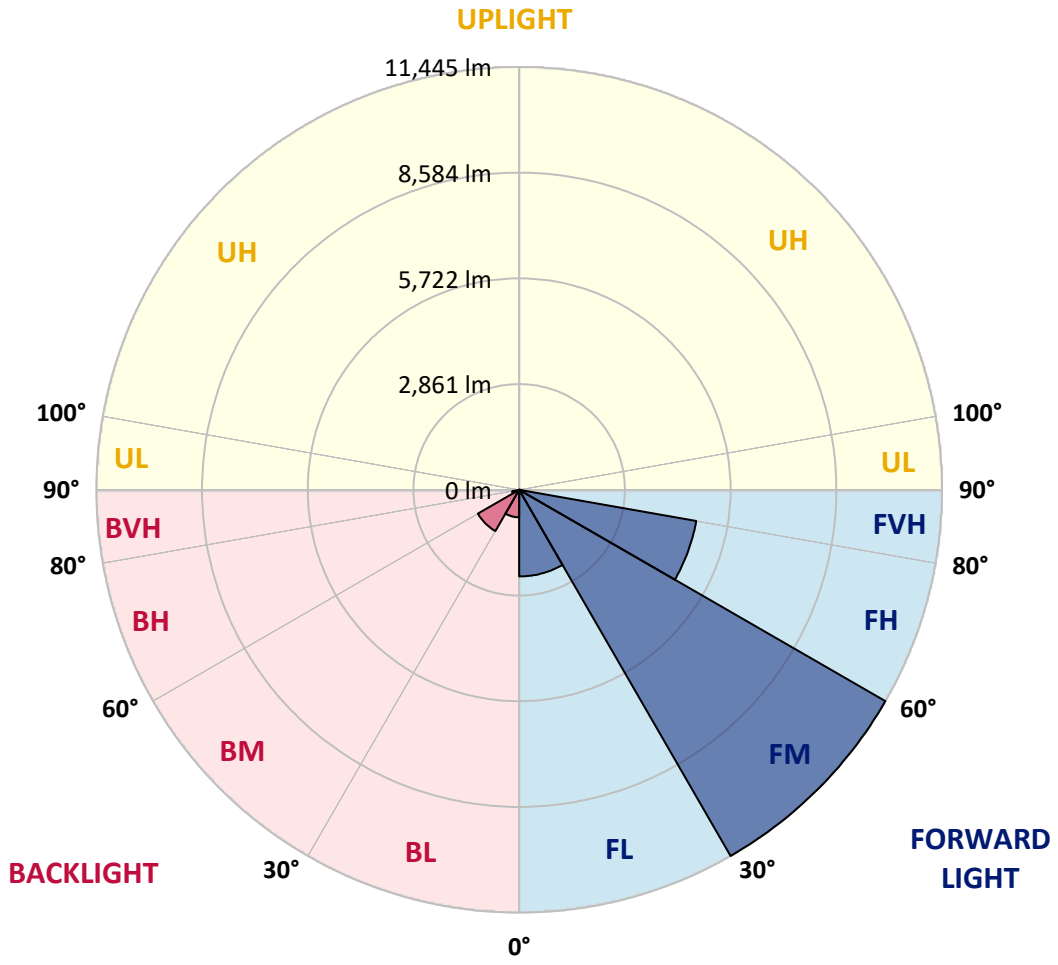
Scaled Data Report

REPORT NUMBER: P1502683
CATALOG NUMBER: GSS-SB4C-830-U-T4LG-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2345.6	11.2			
FM	(30°-60°)	11444.7	54.6			
FH	(60°-80°)	4864.7	23.2			G2/5000
FVH	(80°-90°)	67.1	0.3			G1/100
BL	(0°-30°)	743.8	3.6	B2/1000		
BM	(30°-60°)	1289.6	6.2	B2/2500		
BH	(60°-80°)	190.5	0.9	B1/500		G1/500
BVH	(80°-90°)	5.5	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9
2.5°	5670.0	5693.7	5693.7	5646.4	5634.6	5611.0	5587.4	5581.5	5504.8	5445.8	5386.8
5°	5959.2	5953.3	5947.4	5923.8	5929.7	5900.2	5882.5	5853.0	5723.2	5634.6	5475.3
7.5°	5835.3	5888.4	5912.0	5976.9	6006.4	6000.5	6047.7	6059.5	5947.4	5823.5	5581.5
10°	5026.9	4997.4	5209.8	5487.1	5764.5	5829.4	6083.1	6218.8	6177.5	6065.4	5752.7
12.5°	3982.6	4012.1	4159.6	4484.1	4938.4	5080.0	5811.7	6348.6	6466.6	6395.8	5988.7
15°	3646.3	3646.3	3723.0	3876.4	4147.8	4283.5	5186.2	6330.9	6773.4	6779.3	6283.7
17.5°	3575.5	3587.3	3652.2	3752.5	3929.5	3988.5	4619.8	6071.3	7074.3	7180.5	6614.1
20°	3587.3	3605.0	3675.8	3817.4	3988.5	4059.3	4472.3	5740.9	7328.0	7617.1	6962.2
22.5°	3628.6	3622.7	3746.6	3935.4	4153.7	4218.6	4596.2	5605.1	7540.4	8118.6	7369.3
25°	3675.8	3681.7	3841.0	4106.5	4372.0	4448.7	4873.5	5729.1	7693.8	8655.5	7782.3
27.5°	3817.4	3835.1	4029.8	4318.9	4631.6	4731.9	5233.4	6053.6	7959.3	9174.7	8230.7
30°	4035.7	4053.4	4277.6	4625.7	4962.0	5115.4	5681.9	6460.7	8354.6	9776.6	8690.9
32.5°	4289.4	4313.0	4602.1	5003.3	5410.4	5557.9	6195.2	7080.2	8879.7	10390.2	9168.8
35°	4608.0	4672.9	4985.6	5463.5	6012.3	6153.9	6826.5	7782.3	9564.2	10938.9	9576.0
37.5°	5044.6	5097.7	5481.2	6077.2	6631.8	6820.6	7534.5	8519.8	10183.7	11428.6	9906.4
40°	5575.6	5622.8	6053.6	6702.6	7280.8	7440.1	8277.9	9263.2	10850.4	11700.0	9977.2
42.5°	6460.7	6590.5	6861.9	7410.6	8030.1	8230.7	9103.9	9983.1	11334.2	11753.1	9865.1
45°	8006.5	8047.8	8106.8	8366.4	8962.3	9139.3	9977.2	10608.5	11623.3	11764.9	9764.8
47.5°	9487.5	9629.1	9711.7	9829.7	10189.6	10254.5	10891.7	11169.0	11853.4	11723.6	9764.8
50°	10968.4	11074.6	11216.2	11357.8	11741.3	11764.9	11859.3	11546.6	11865.2	11387.3	9705.8
52.5°	12313.6	12349.0	12590.9	12862.3	13340.3	13470.1	12756.1	11823.9	11151.3	10325.3	9428.4
55°	13517.3	13564.5	13930.3	14484.9	15169.3	15340.4	13853.6	11287.0	9623.2	8950.5	8785.3
57.5°	14296.1	14408.2	15139.8	16361.1	17134.1	17057.4	14703.2	10030.3	7729.2	7322.1	7646.6
60°	13906.7	14060.1	15600.0	17936.5	19311.2	19087.0	14467.2	8254.3	5711.4	5416.3	6053.6
62.5°	11717.7	12000.9	13906.7	18402.6	20809.9	20774.4	13133.7	5888.4	3540.1	3463.4	3823.3
65°	8148.1	8637.8	10897.6	16844.9	20208.0	20261.1	11056.9	3428.0	1640.2	2035.6	2236.2
67.5°	4802.7	5150.8	7021.2	13753.3	16957.0	16467.3	7516.8	1587.1	820.1	1239.0	1185.9
70°	2112.3	2348.3	4023.9	9528.8	12354.9	11564.3	3669.9	772.9	625.4	749.3	654.9
72.5°	1162.3	1268.5	2118.2	5032.8	7516.8	7145.1	1239.0	513.3	536.9	560.5	472.0
75°	649.0	696.2	1115.1	2908.8	3304.1	3074.0	601.8	336.3	454.3	454.3	348.1
77.5°	377.6	418.9	696.2	1811.3	1811.3	1463.2	365.8	212.4	342.2	306.8	188.8
80°	177.0	200.6	383.5	1003.0	1144.6	944.0	206.5	147.5	224.2	194.7	123.9
82.5°	53.1	64.9	188.8	389.4	649.0	554.6	106.2	94.4	165.2	123.9	70.8
85°	35.4	41.3	94.4	159.3	318.6	277.3	35.4	29.5	70.8	59.0	29.5
87.5°	5.9	5.9	11.8	11.8	11.8	11.8	5.9	5.9	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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REPORT NUMBER: P1502683
CATALOG NUMBER: GSS-SB4C-830-U-T4LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9	5321.9
2.5°	5351.4	5310.1	5215.7	5127.2	5080.0	4973.8	4932.5	4885.3	4861.7	4855.8	4820.4
5°	5375.0	5298.3	5062.3	4826.3	4578.5	4342.5	4100.6	3888.2	3717.1	3723.0	3728.9
7.5°	5445.8	5292.4	4879.4	4407.4	3876.4	3262.8	2607.9	2118.2	1805.4	1740.5	1681.5
10°	5540.2	5316.0	4655.2	3782.0	2737.7	1722.8	1215.4	1038.4	961.7	944.0	949.9
12.5°	5717.3	5375.0	4372.0	2920.6	1516.3	991.2	879.1	849.6	837.8	837.8	837.8
15°	5935.6	5457.6	3929.5	1911.7	991.2	826.0	802.4	796.5	784.7	784.7	790.6
17.5°	6118.5	5457.6	3345.4	1244.9	814.2	767.0	749.3	743.4	743.4	749.3	743.4
20°	6319.1	5416.3	2690.5	938.1	755.2	713.9	702.1	702.1	702.1	708.0	708.0
22.5°	6525.6	5345.5	2082.8	802.4	702.1	666.7	660.8	666.7	672.6	678.5	678.5
25°	6755.7	5257.0	1646.1	743.4	654.9	625.4	625.4	625.4	631.3	643.1	649.0
27.5°	7009.4	5180.3	1410.1	708.0	613.6	584.1	584.1	590.0	601.8	607.7	613.6
30°	7245.4	5180.3	1333.4	725.7	595.9	560.5	548.7	554.6	566.4	578.2	578.2
32.5°	7540.4	5239.3	1374.7	802.4	590.0	525.1	513.3	513.3	525.1	531.0	531.0
35°	7788.2	5351.4	1516.3	908.6	613.6	495.6	472.0	466.1	477.9	472.0	477.9
37.5°	7988.8	5504.8	1775.9	1050.2	660.8	460.2	430.7	413.0	413.0	413.0	413.0
40°	8047.8	5658.2	2106.4	1144.6	654.9	418.9	377.6	359.9	354.0	348.1	348.1
42.5°	7965.2	5729.1	2371.9	1138.7	584.1	389.4	336.3	312.7	295.0	289.1	289.1
45°	7900.3	5764.5	2466.3	991.2	531.0	354.0	300.9	271.4	253.7	247.8	241.9
47.5°	7906.2	5799.9	2324.7	808.3	483.8	324.5	271.4	241.9	224.2	218.3	212.4
50°	7929.8	5740.9	1970.7	672.6	442.5	295.0	241.9	218.3	200.6	194.7	188.8
52.5°	7682.0	5428.1	1386.5	590.0	407.1	277.3	218.3	200.6	182.9	177.0	177.0
55°	7033.0	4678.8	938.1	525.1	377.6	253.7	200.6	188.8	171.1	159.3	159.3
57.5°	5994.6	3528.3	649.0	477.9	330.4	230.1	188.8	171.1	153.4	141.6	141.6
60°	4584.4	2301.1	472.0	436.6	271.4	212.4	177.0	165.2	141.6	129.8	123.9
62.5°	*2790.8*	*1292.1*	*383.5*	*383.5*	*230.1*	*200.6*	*159.3*	*147.5*	*123.9*	*106.2*	*100.3*
65°	1616.6	761.1	312.7	324.5	200.6	182.9	141.6	123.9	100.3	82.6	76.7
67.5°	778.8	442.5	247.8	230.1	177.0	153.4	123.9	106.2	88.5	70.8	64.9
70°	477.9	342.2	188.8	165.2	141.6	118.0	100.3	94.4	76.7	59.0	59.0
72.5°	389.4	277.3	147.5	118.0	106.2	82.6	82.6	76.7	59.0	47.2	41.3
75°	306.8	206.5	112.1	82.6	64.9	64.9	59.0	53.1	47.2	35.4	35.4
77.5°	165.2	141.6	82.6	47.2	35.4	41.3	41.3	35.4	29.5	23.6	23.6
80°	106.2	82.6	47.2	23.6	23.6	23.6	23.6	17.7	17.7	11.8	11.8
82.5°	53.1	41.3	23.6	5.9	11.8	11.8	11.8	11.8	11.8	5.9	5.9
85°	11.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	5.9	5.9	5.9	5.9	5.9	5.9
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

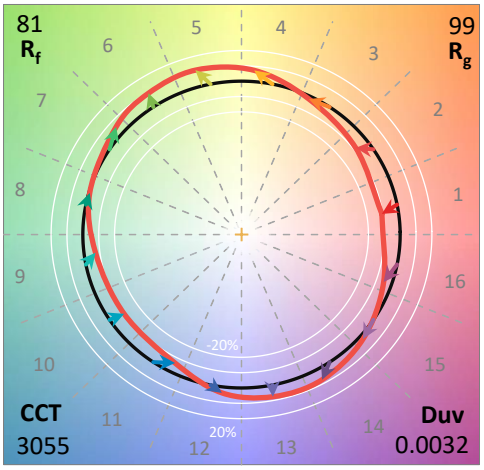
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

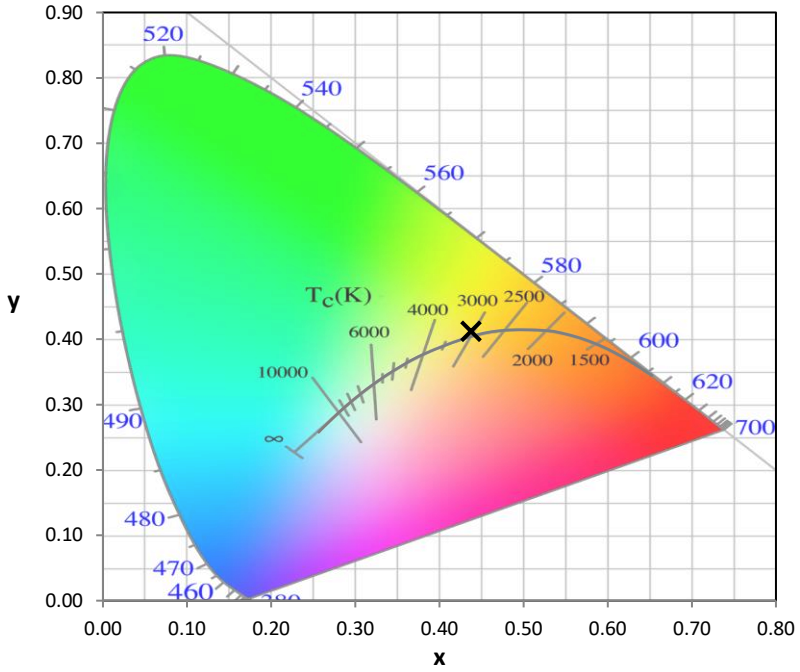
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

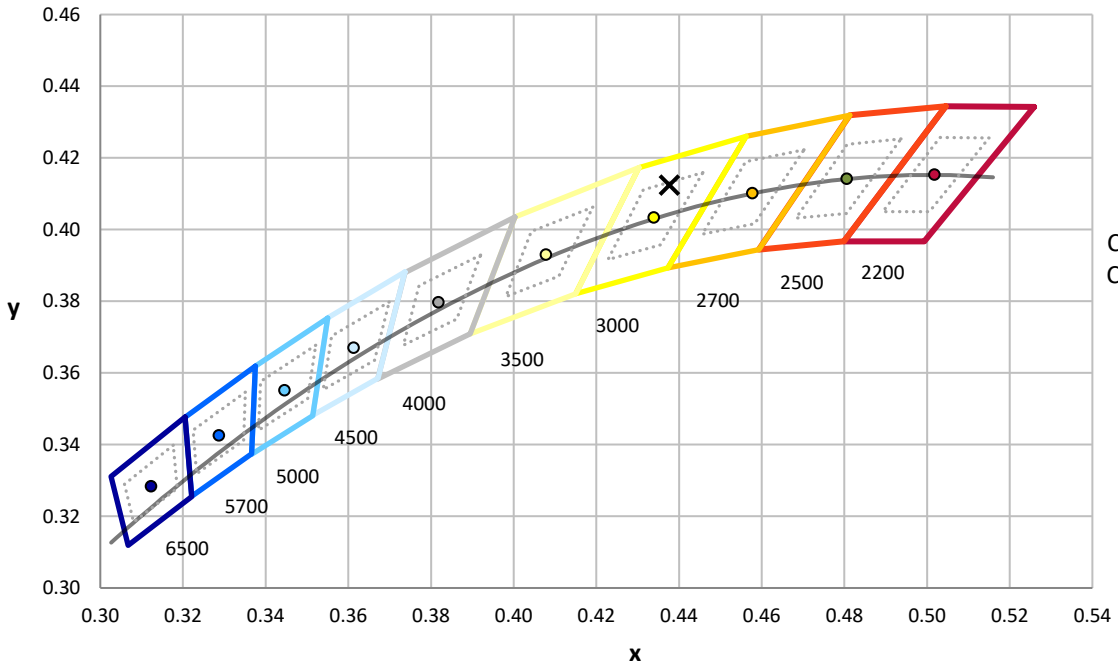
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

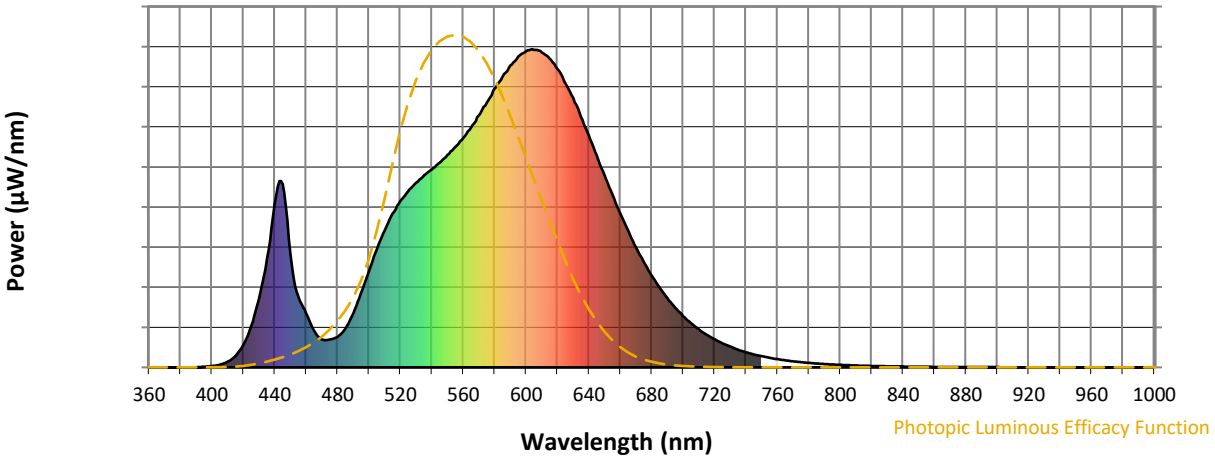


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

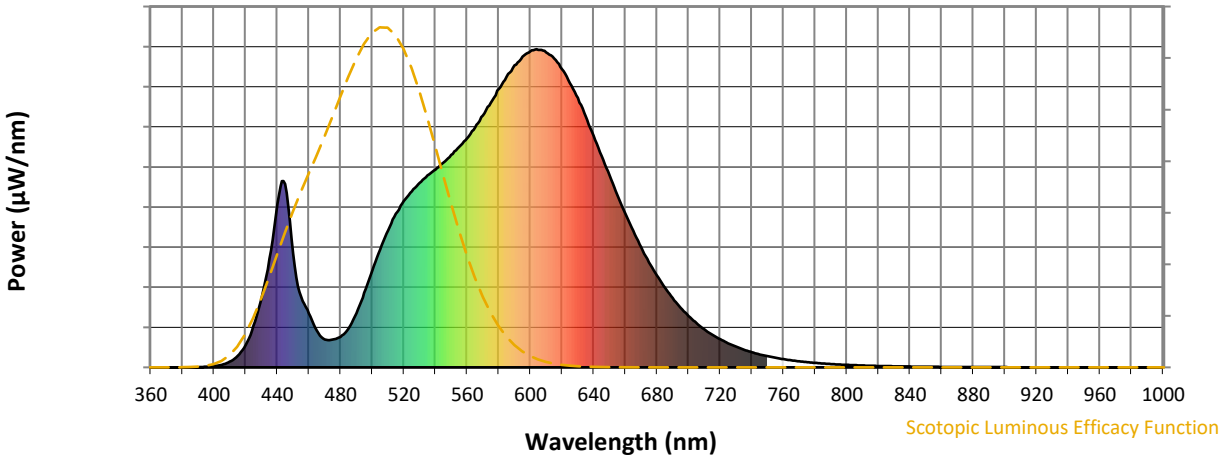


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

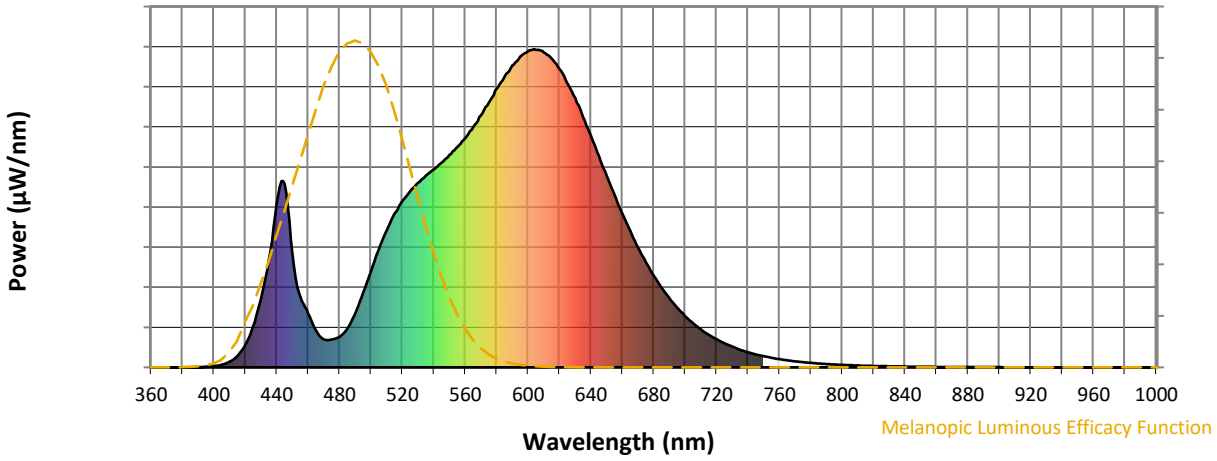


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

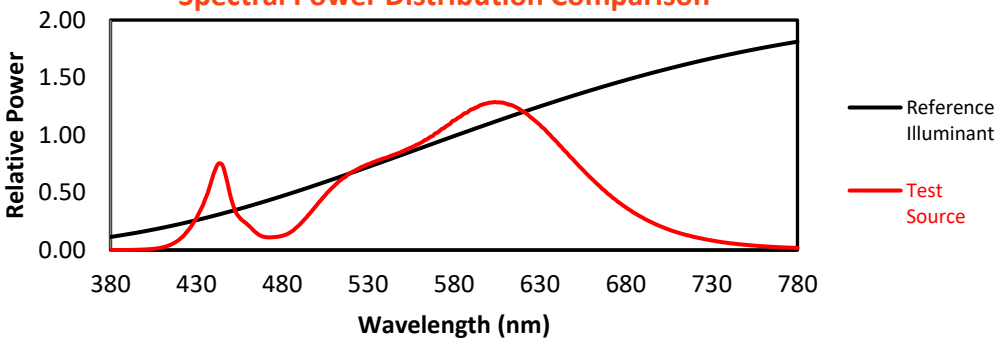
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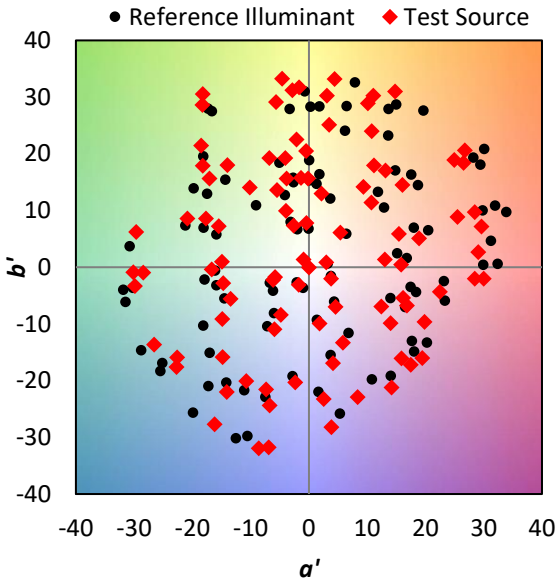
Summary

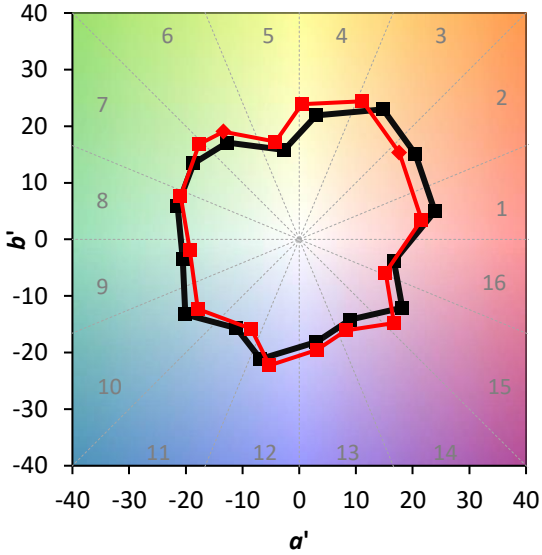
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

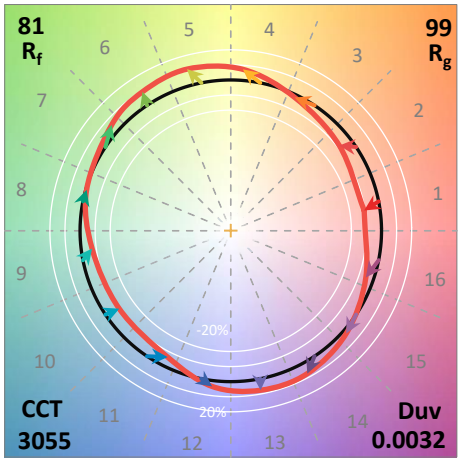
Spectral Power Distribution Comparison

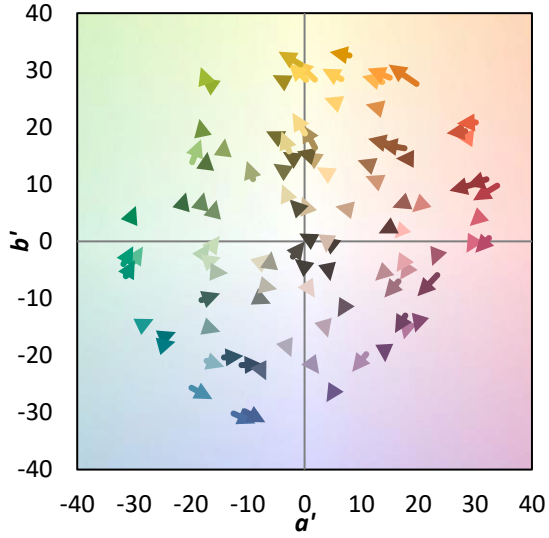


Color Vector Graphics







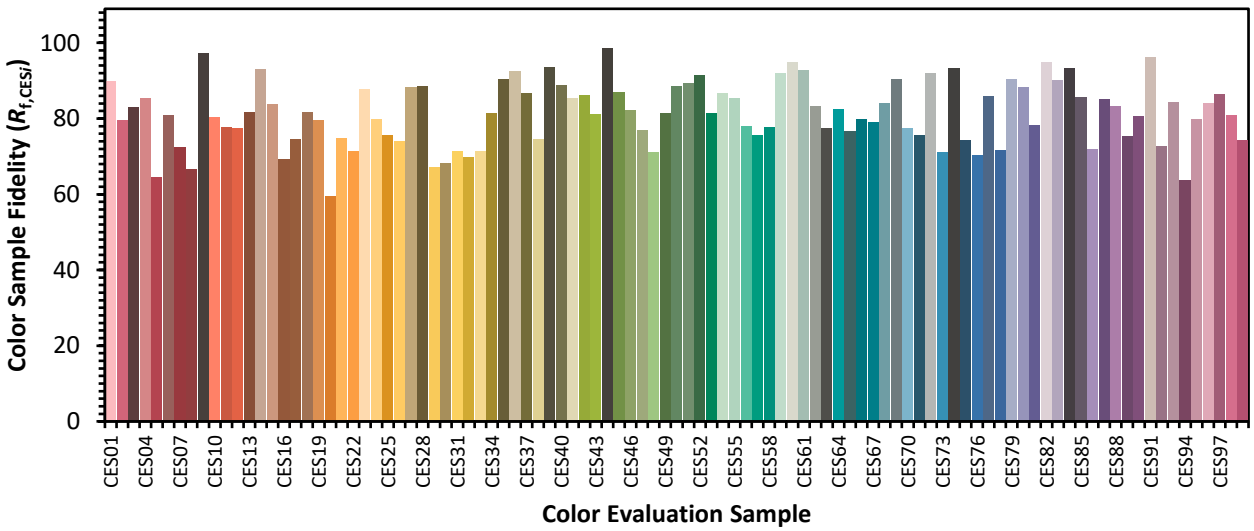


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Individual Sample Fidelity Index ($R_{f,i}$)

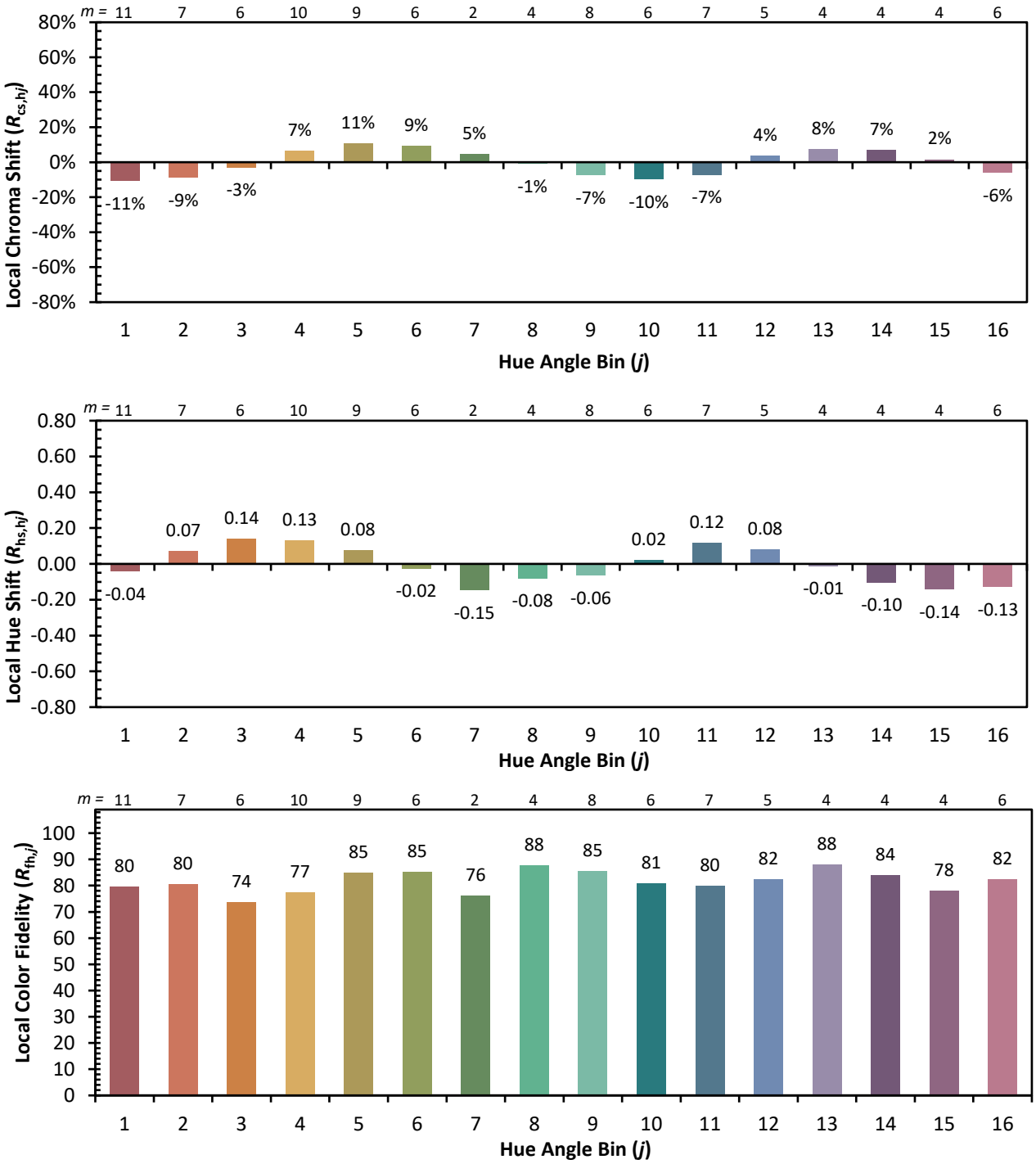
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
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 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	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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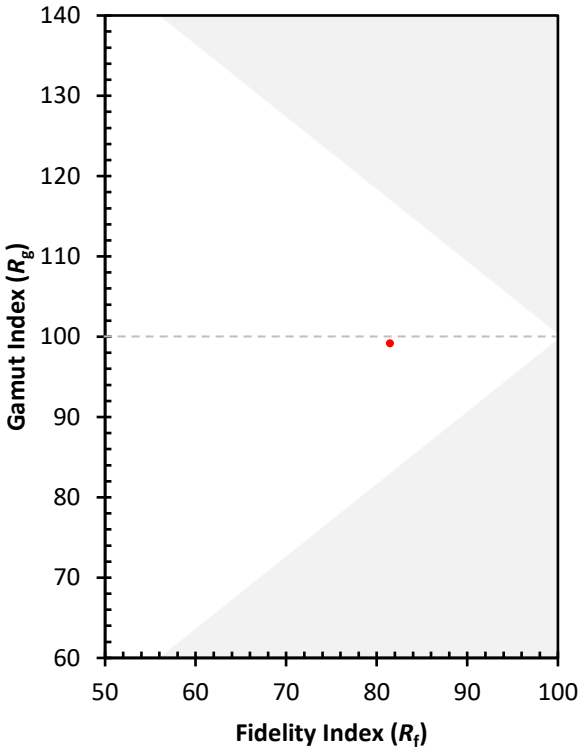
Color Rendition by Hue-Angle Bin

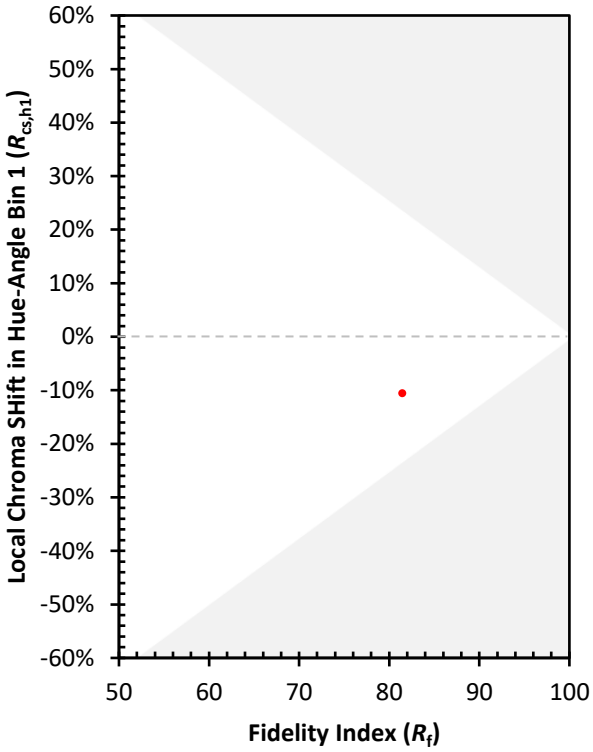


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Measure Comparisons





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