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: P1048359

Luminaire Tested: **GALN-SA4C-730-U-T4BC**

Issue Date: 07/10/2025

Report Generated By 670347003

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:	P1048359
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA4C-730-U-T4BC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE 70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source:	(56) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22138.8 lumens
Efficiency:	N/A
Efficacy:	116.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G5

Input Watts (W):	190.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1048359
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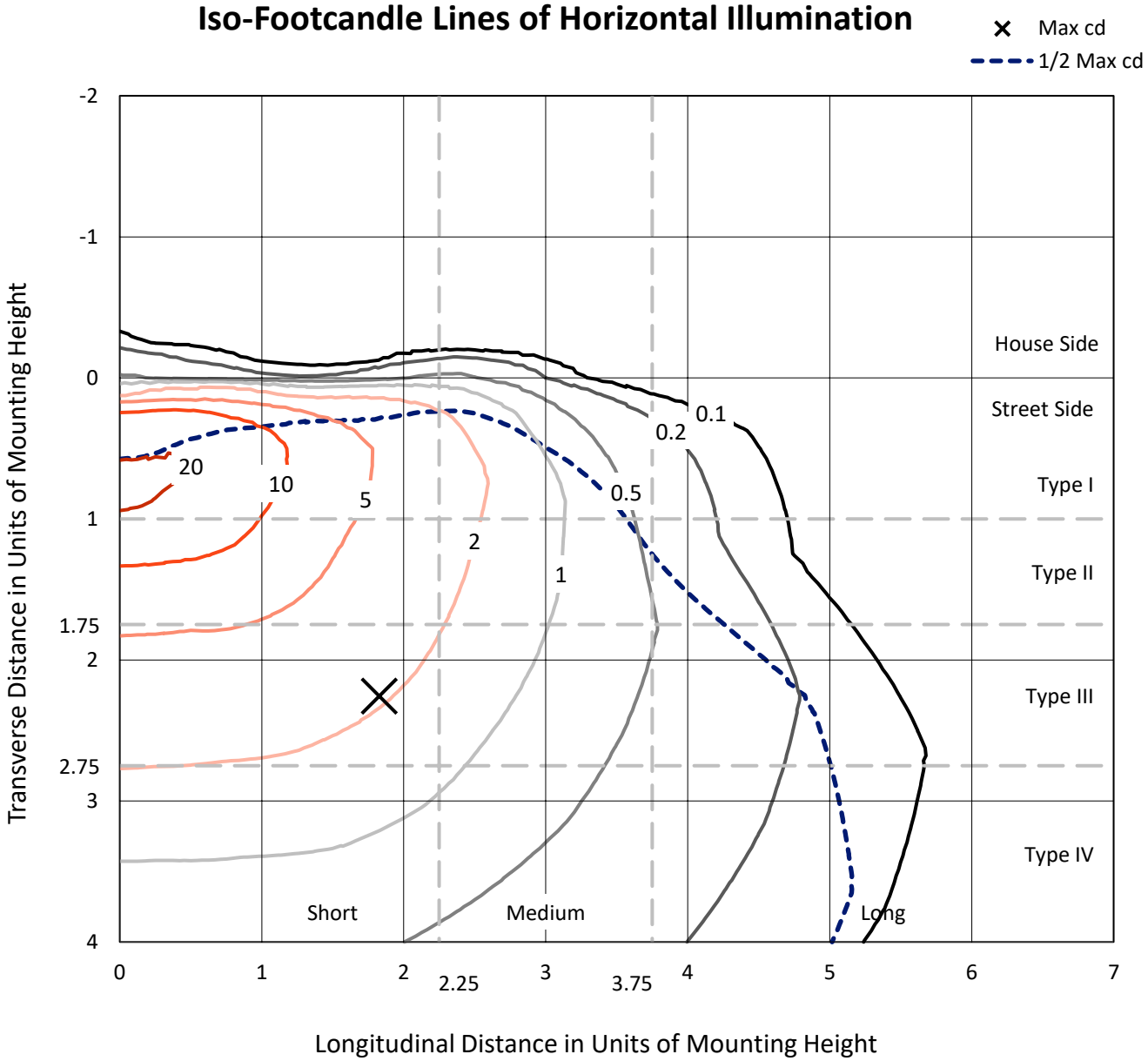
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 22.8 fc
Type IV - Short - N/A

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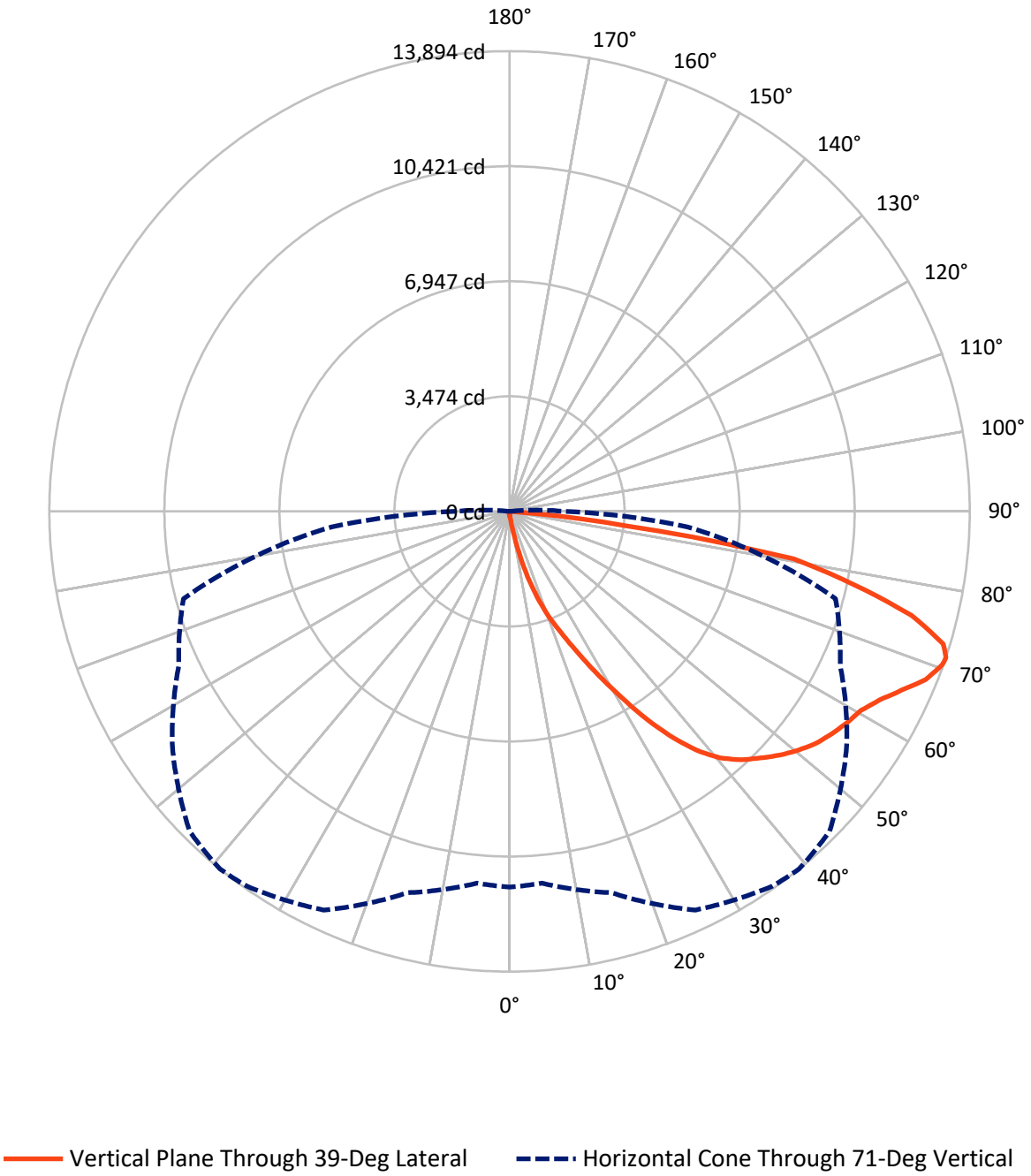
Luminous Intensity Polar Plot



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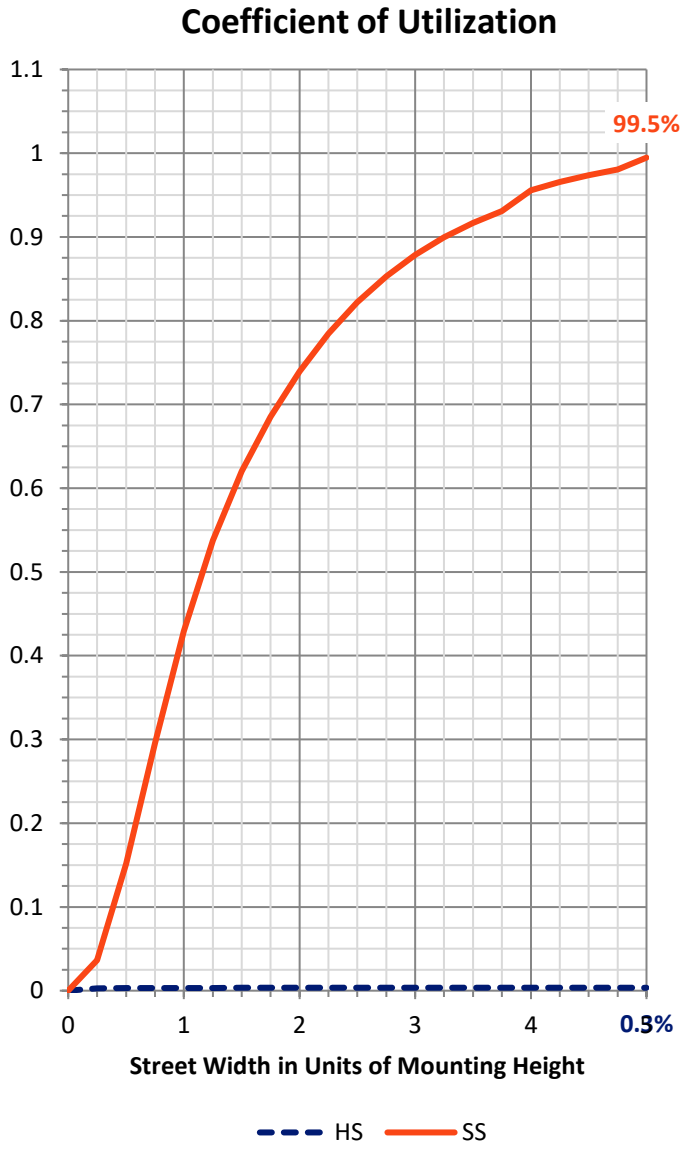
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	78.7	0.0	78.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	22060.1	0.0	22060.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	22138.8	0.0	22138.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.1
10°-20°	236.6	1.1
20°-30°	842.7	3.8
30°-40°	2030.9	9.2
40°-50°	3398.8	15.4
50°-60°	4365.4	19.7
60°-70°	5524.4	25.0
70°-80°	4925.3	22.2
80°-90°	796.2	3.6
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°	22138.8	100.0
0°-180°	22138.8	100.0



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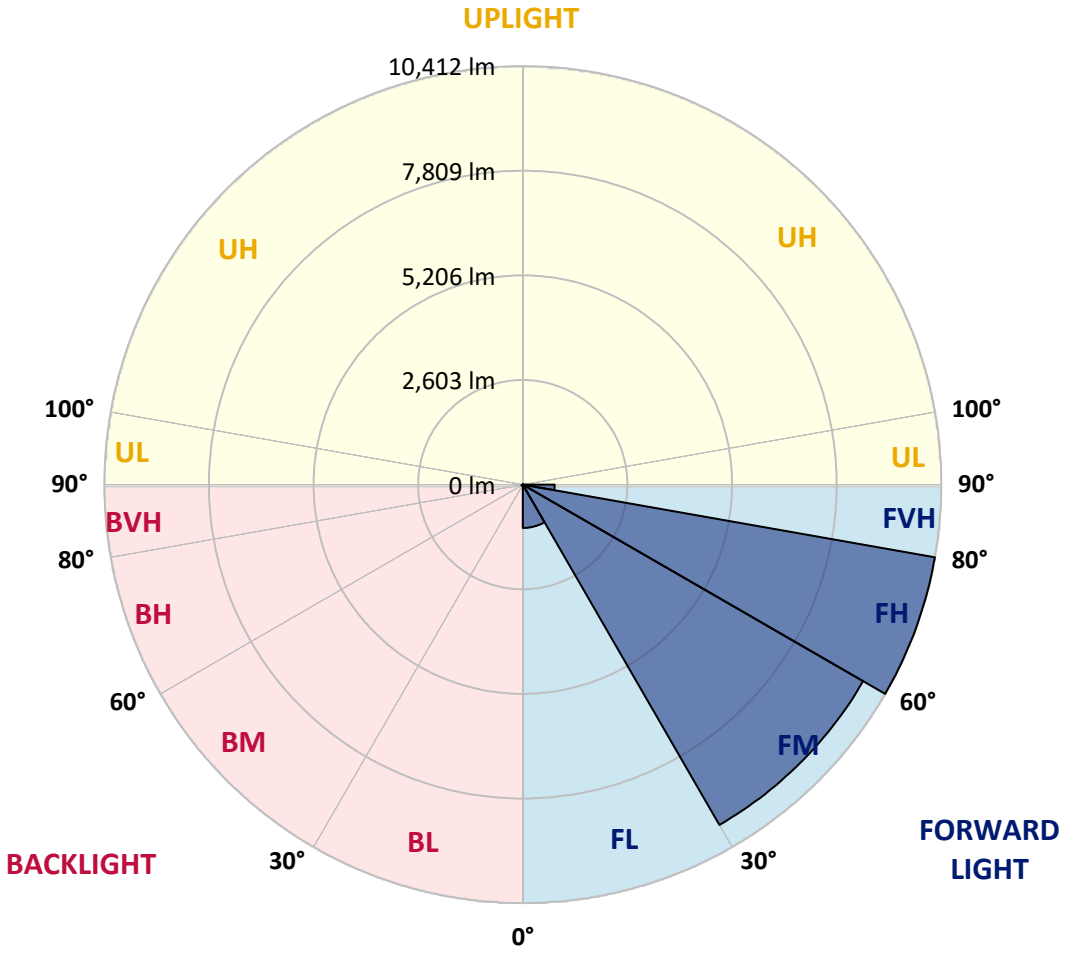
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1078.8	4.9			
FM	(30°-60°)	9776.9	44.2			
FH	(60°-80°)	10411.9	47.0			G4/12000
FVH	(80°-90°)	792.5	3.6			G5
BL	(0°-30°)	19.0	0.1	B0/110		
BM	(30°-60°)	18.2	0.1	B0/220		
BH	(60°-80°)	37.8	0.2	B0/110		G0/110
BVH	(80°-90°)	3.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G5
Type IV Short



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REPORT NUMBER: P1048359
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	121.4	121.4	121.4	121.4	121.4	*121.4*	121.4	121.4	121.4	121.4	121.4
2.5°	139.4	139.4	139.4	134.9	134.9	*133.4*	131.9	131.9	128.9	127.4	124.4
5°	211.3	206.8	196.3	190.3	178.3	*170.8*	163.4	152.9	142.4	134.9	125.9
7.5°	478.1	488.6	454.1	389.7	323.7	*295.2*	247.3	199.3	164.9	142.4	127.4
10°	1218.4	1212.4	1095.5	966.6	746.3	*657.9*	515.5	325.2	212.8	155.9	128.9
12.5°	2072.7	2066.7	1928.8	1753.5	1462.7	*1278.4*	1008.6	607.0	305.7	176.8	128.9
15°	2790.5	2766.6	2723.1	2549.2	2209.0	*2054.7*	1698.0	1073.1	494.6	212.8	131.9
17.5°	3265.6	3244.6	3204.2	3141.2	2925.4	*2742.6*	2456.3	1686.0	800.3	275.8	137.9
20°	3701.7	3686.7	3653.8	3641.8	3502.4	*3405.0*	3168.2	2390.4	1246.9	374.7	146.9
22.5°	4301.2	4269.7	4283.2	4211.3	4074.9	*3958.0*	3812.6	3127.7	1792.4	539.5	163.4
25°	5035.6	5020.6	4983.1	4932.1	4743.3	*4641.4*	4418.1	3823.1	2402.4	755.3	181.3
27.5°	5922.8	5906.3	5897.3	5780.4	5563.1	*5452.2*	5140.5	4479.5	3088.8	1058.1	205.3
30°	6944.9	6952.4	6893.9	6744.0	6490.8	*6334.9*	6014.2	5167.4	3791.7	1413.3	230.8
32.5°	8002.9	7987.9	7898.0	7721.2	7494.9	*7349.5*	6941.9	5921.3	4529.0	1882.3	260.8
35°	9143.4	9115.0	8878.2	8675.8	8482.5	*8299.7*	7928.0	6796.5	5266.4	2408.4	301.2
37.5°	10294.4	10161.0	9685.9	9429.7	9296.3	*9146.4*	8800.2	7730.2	5999.2	2995.9	350.7
40°	11163.6	11060.2	10496.7	10024.6	9918.2	*9790.9*	9533.1	8536.5	6778.5	3626.8	410.6
42.5°	11644.7	11587.8	11081.2	10615.1	10364.8	*10252.4*	10032.1	9240.8	7548.8	4323.7	497.6
45°	11850.0	11761.6	11422.9	11205.6	10807.0	*10621.1*	10358.9	9772.9	8353.6	5115.0	619.0
47.5°	11787.1	11736.1	11493.4	11572.8	11283.5	*10994.3*	10609.1	10180.5	9041.5	6023.2	785.3
50°	11391.4	11348.0	11273.0	11703.2	11667.2	*11325.5*	10932.8	10502.7	9603.5	6959.9	1043.1
52.5°	10639.1	10621.1	10813.0	11601.3	11884.5	*11617.7*	11244.6	10787.5	10128.1	7938.5	1411.8
55°	9669.5	9742.9	10291.4	11442.4	11995.4	*11833.6*	11520.3	11054.2	10549.2	8813.7	1955.8
57.5°	9270.8	9290.3	9975.2	11330.0	12044.9	*12023.9*	11788.6	11309.0	10935.8	9513.6	2786.0
60°	9736.9	9706.9	10068.1	11415.4	12143.8	*12194.7*	12026.9	11545.8	11271.5	10114.6	3892.1
62.5°	10579.2	10562.7	10678.1	11779.6	12433.0	*12536.4*	12358.1	11716.7	11568.3	10510.2	5153.9
65°	11331.5	11297.0	11511.3	12425.5	12941.1	*13014.5*	12858.6	12008.9	11698.7	10798.0	6339.4
67.5°	11656.7	11649.2	11993.9	13040.0	13474.6	*13554.0*	13417.7	12412.0	11668.7	10889.4	6862.4
70°	11508.3	11479.9	12031.4	13300.8	13775.8	*13865.8*	13733.9	12561.9	11343.5	10600.1	6087.6
71°	*11345.0*	*11268.6*	*11919.0*	*13282.8*	*13817.8*	*13894.2*	*13663.4*	*12425.5*	*11016.8*	*10189.5*	*5384.7*
72.5°	10838.4	10851.9	11610.2	13095.4	13717.4	*13694.9*	13264.8	11937.0	10622.6	9257.3	4325.2
75°	9591.5	9671.0	10610.6	12308.6	12821.2	*12534.9*	11877.0	11003.3	9831.3	6637.6	3003.3
77.5°	7838.1	7956.5	8989.1	10795.0	10649.6	*10621.1*	10594.1	9694.9	8395.6	3565.4	2089.2
80°	3742.2	3998.5	5422.2	7706.2	8371.6	*8693.8*	8491.5	7812.6	6492.3	1698.0	1248.4
82.5°	244.3	241.3	341.7	647.4	2729.1	*3527.9*	5605.1	5584.1	4526.0	827.3	509.6
85°	115.4	118.4	130.4	148.4	172.3	*188.8*	260.8	1528.7	2165.6	394.2	110.9
87.5°	67.4	68.9	80.9	103.4	134.9	*149.9*	178.3	229.3	281.8	217.3	24.0
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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CATALOG NUMBER: GALN-SA4C-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4
2.5°	122.9	121.4	116.9	112.4	107.9	104.9	103.4	104.9	104.9	106.4	106.4
5°	122.9	118.4	110.9	101.9	95.9	89.9	86.9	85.4	86.9	86.9	86.9
7.5°	121.4	113.9	103.4	92.9	85.4	77.9	74.9	73.4	73.4	74.9	74.9
10°	118.4	110.9	97.4	85.4	76.4	67.4	62.9	58.4	58.4	58.4	59.9
12.5°	116.9	106.4	89.9	77.9	65.9	55.5	46.5	42.0	43.5	43.5	43.5
15°	113.9	101.9	85.4	70.4	55.5	42.0	34.5	30.0	31.5	33.0	31.5
17.5°	113.9	100.4	79.4	61.4	43.5	31.5	25.5	22.5	22.5	24.0	24.0
20°	113.9	97.4	74.9	52.5	33.0	24.0	18.0	16.5	16.5	19.5	21.0
22.5°	116.9	97.4	68.9	43.5	27.0	18.0	13.5	12.0	13.5	16.5	18.0
25°	121.4	95.9	62.9	39.0	22.5	13.5	10.5	7.5	9.0	12.0	13.5
27.5°	125.9	94.4	56.9	34.5	18.0	10.5	7.5	6.0	4.5	6.0	6.0
30°	130.4	94.4	51.0	28.5	15.0	7.5	4.5	3.0	1.5	0.0	0.0
32.5°	133.4	91.4	46.5	22.5	12.0	6.0	3.0	1.5	0.0	0.0	0.0
35°	136.4	88.4	40.5	18.0	9.0	4.5	1.5	0.0	0.0	0.0	0.0
37.5°	139.4	83.9	34.5	15.0	7.5	3.0	0.0	0.0	0.0	0.0	0.0
40°	142.4	77.9	28.5	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	145.4	73.4	24.0	10.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	152.9	70.4	19.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	166.4	67.4	18.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	185.8	64.4	16.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	212.8	62.9	15.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	260.8	61.4	13.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	343.2	59.9	13.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	526.0	56.9	13.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	939.7	55.5	12.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1638.1	56.9	12.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2348.4	59.9	10.5	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	2009.7	52.5	10.5	6.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0
71°	*1638.1*	*46.5*	*10.5*	*6.0*	*3.0*	*1.5*	*1.5*	*0.0*	*0.0*	*0.0*	*0.0*
72.5°	1053.6	36.0	9.0	6.0	3.0	3.0	1.5	0.0	0.0	0.0	0.0
75°	445.1	30.0	9.0	6.0	4.5	3.0	3.0	1.5	0.0	0.0	0.0
77.5°	190.3	22.5	9.0	7.5	6.0	4.5	4.5	3.0	1.5	0.0	0.0
80°	71.9	18.0	10.5	9.0	7.5	7.5	6.0	3.0	1.5	0.0	0.0
82.5°	33.0	15.0	10.5	9.0	9.0	7.5	6.0	4.5	3.0	0.0	0.0
85°	21.0	13.5	10.5	9.0	9.0	7.5	7.5	4.5	3.0	0.0	0.0
87.5°	16.5	13.5	10.5	10.5	9.0	9.0	6.0	4.5	1.5	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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

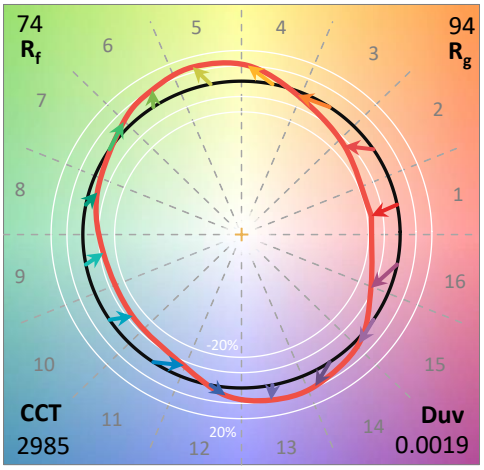
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

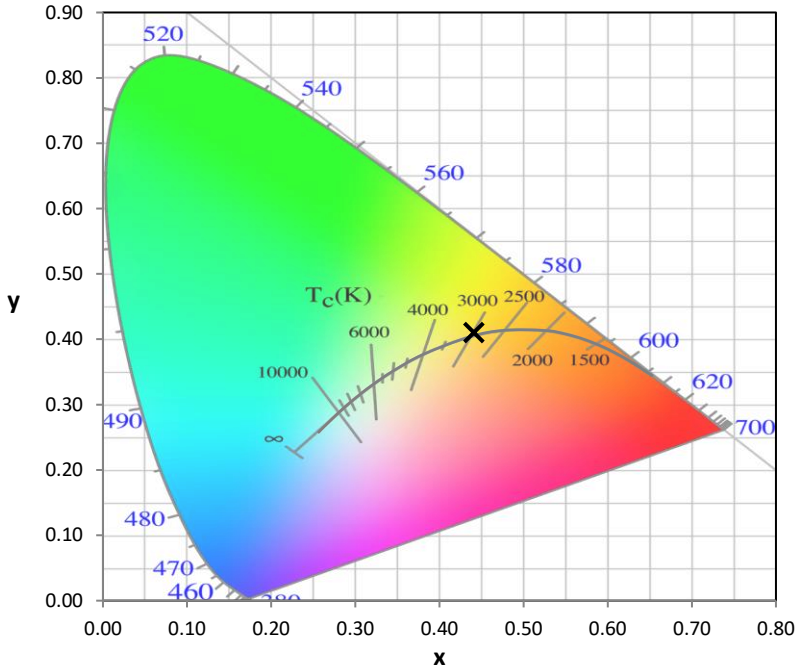
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

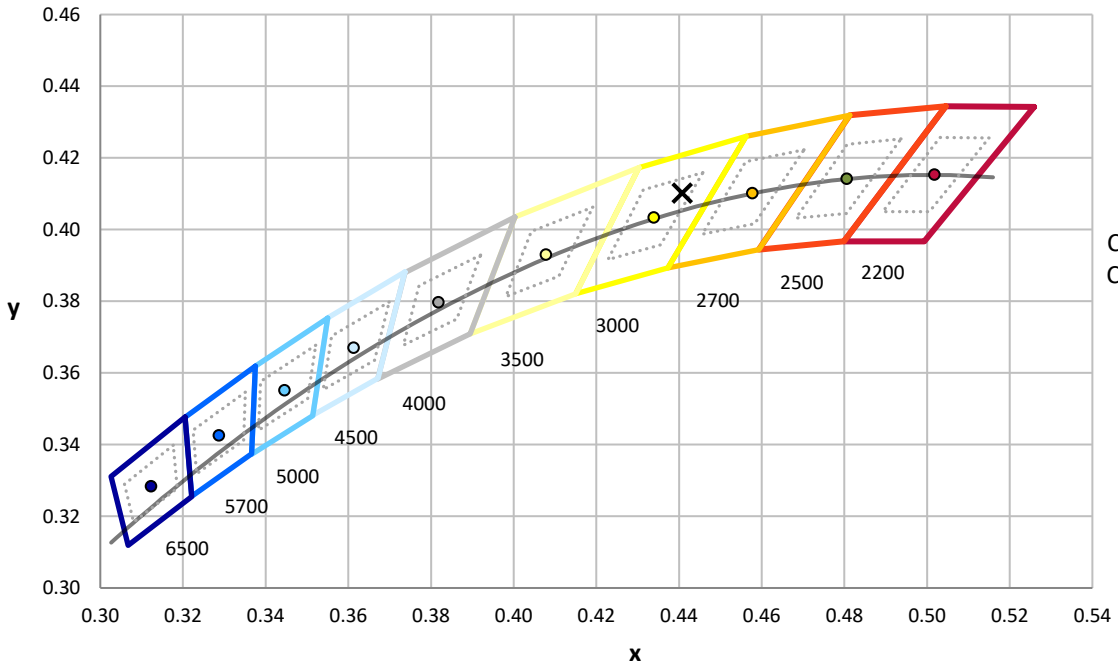
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

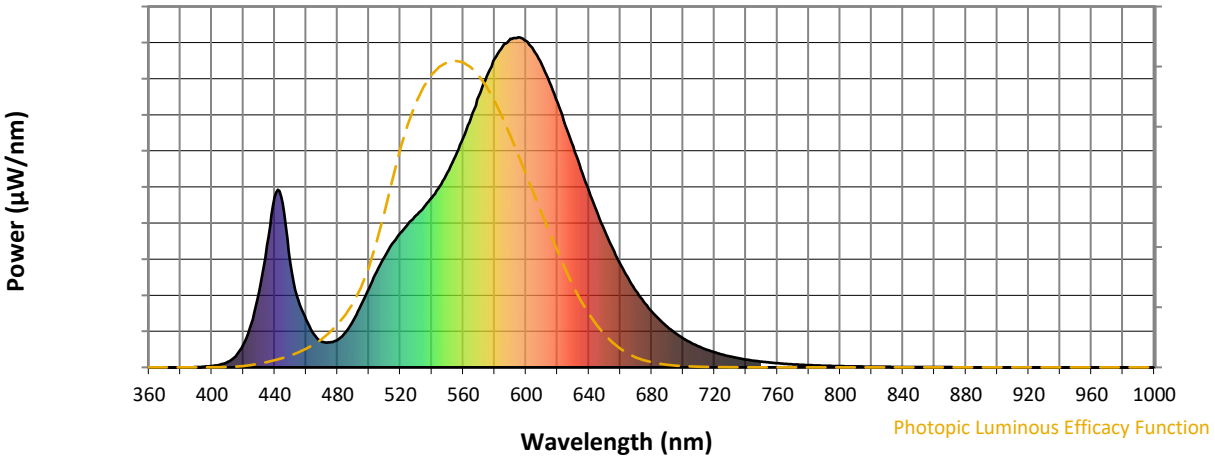


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

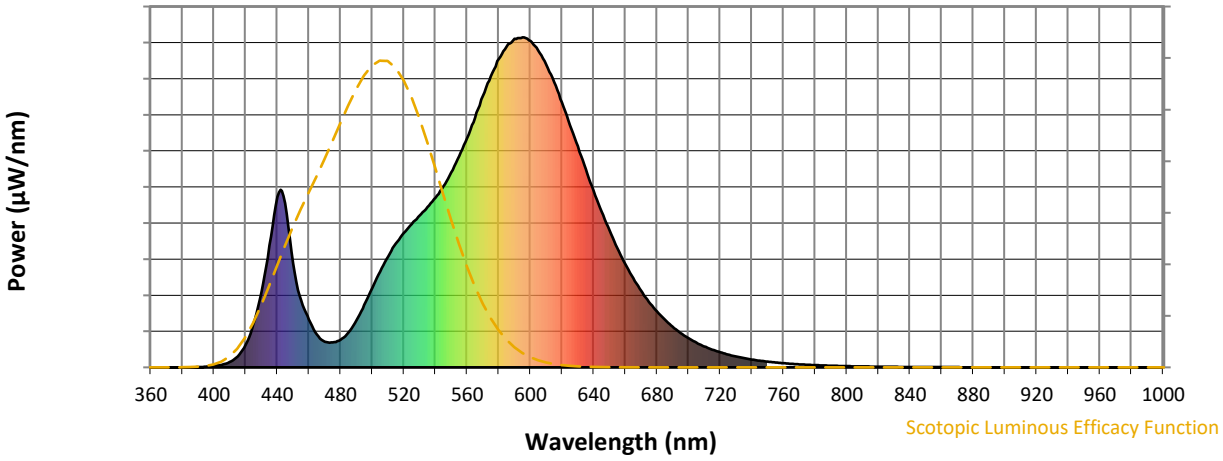


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

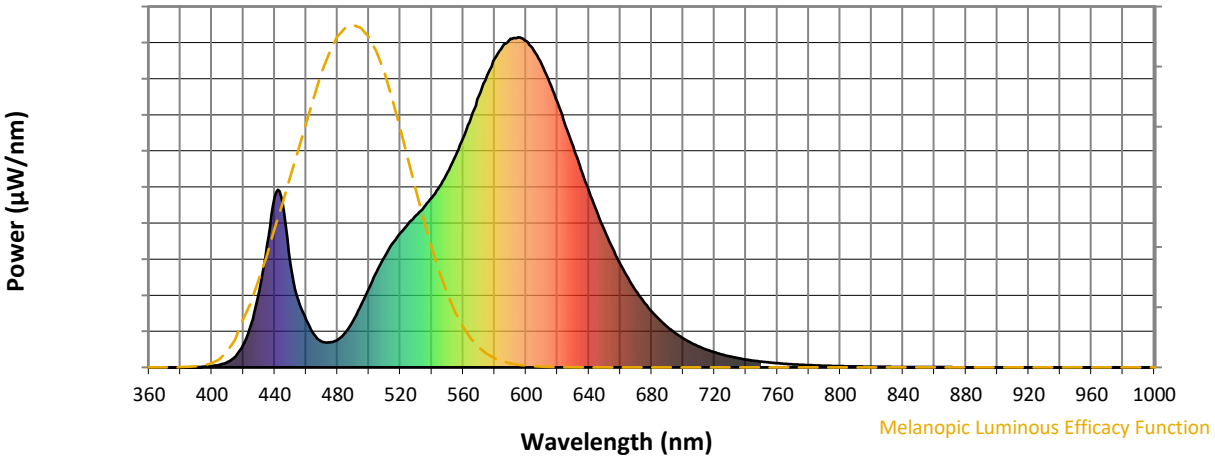


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

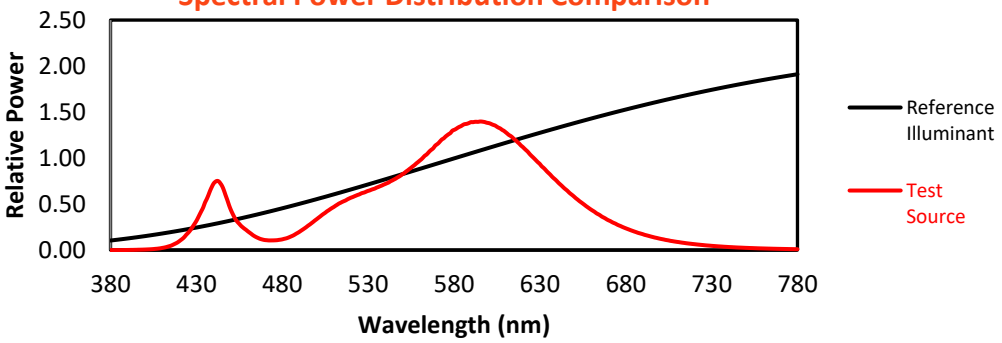
REPORT NUMBER: SP1-2407-184-4

TM-30-18

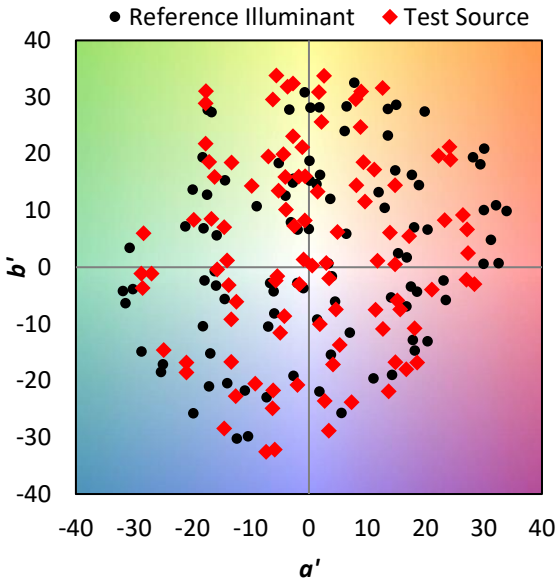
Summary

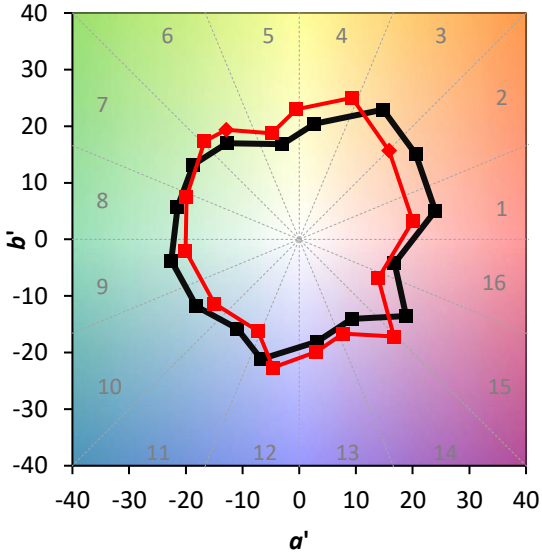
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

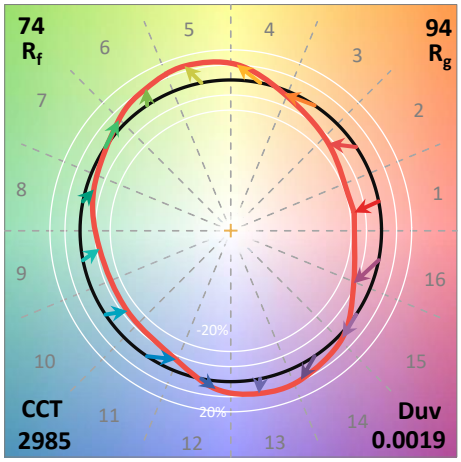
Spectral Power Distribution Comparison

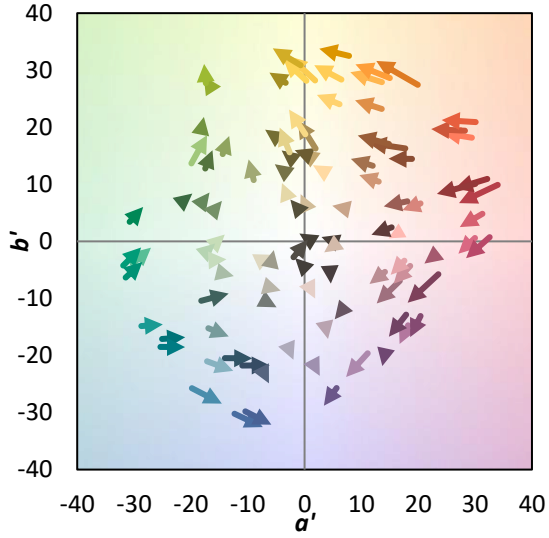


Color Vector Graphics







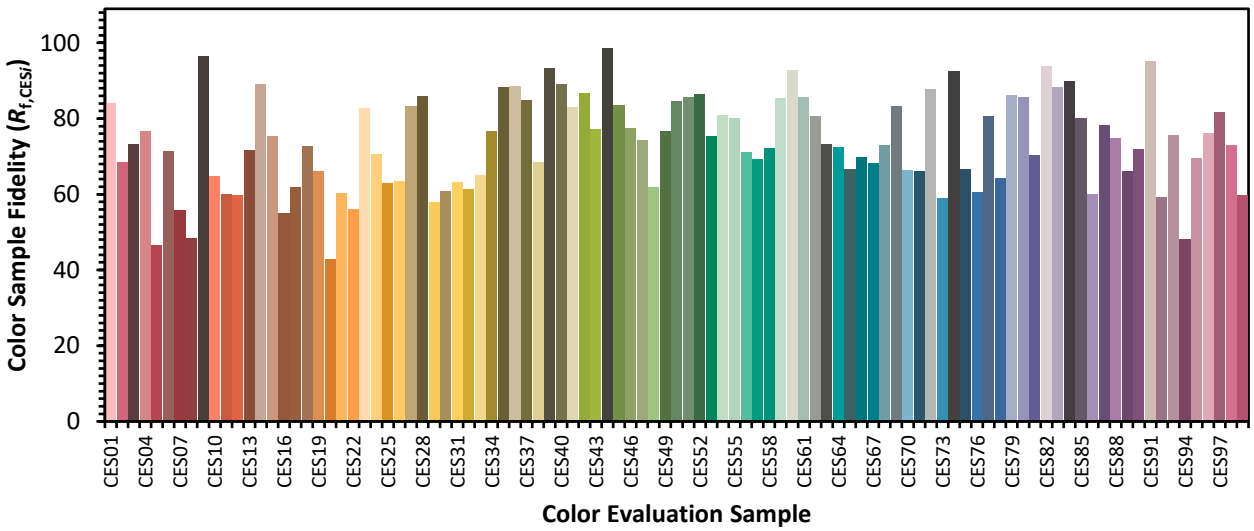


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

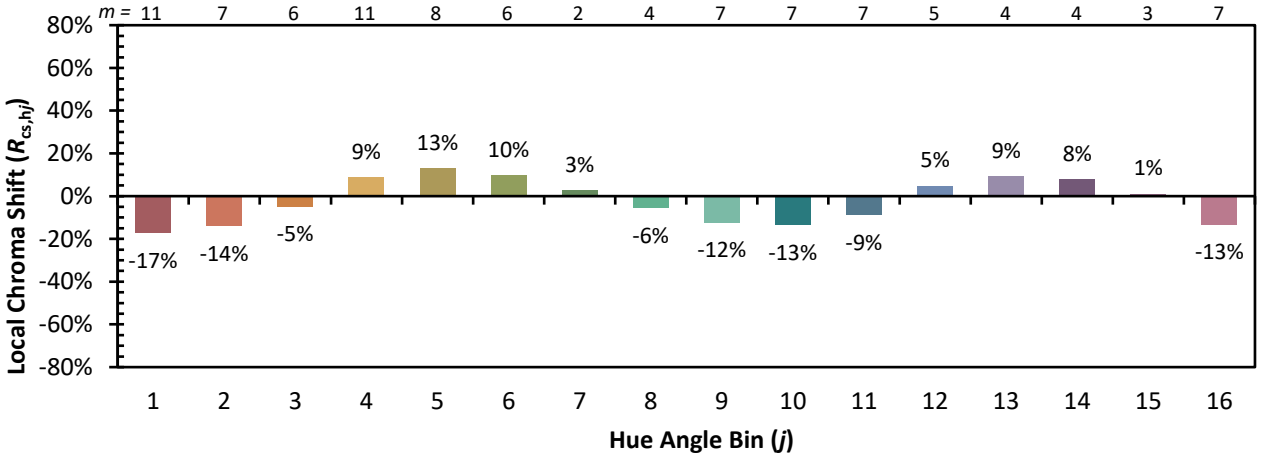
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

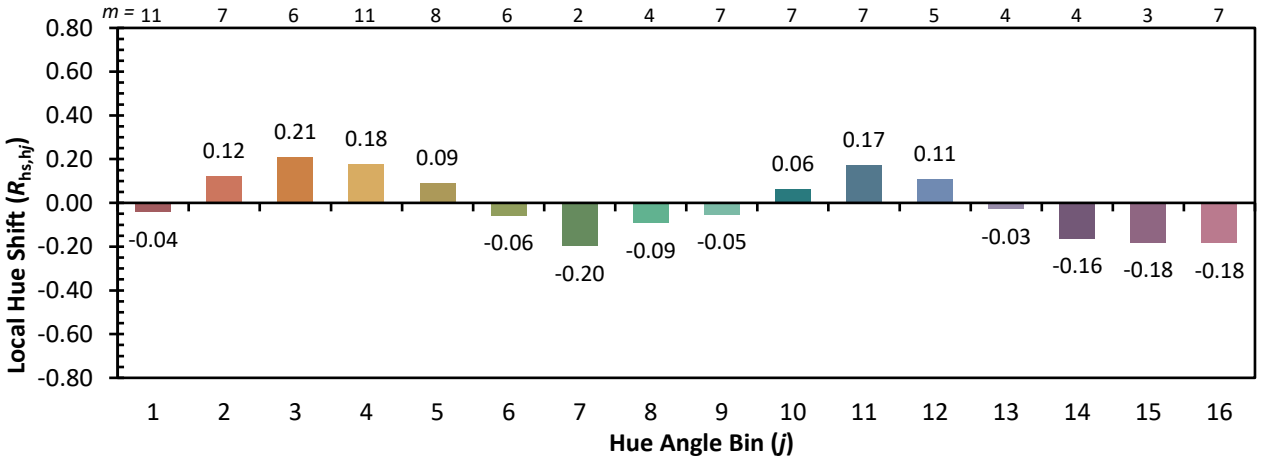


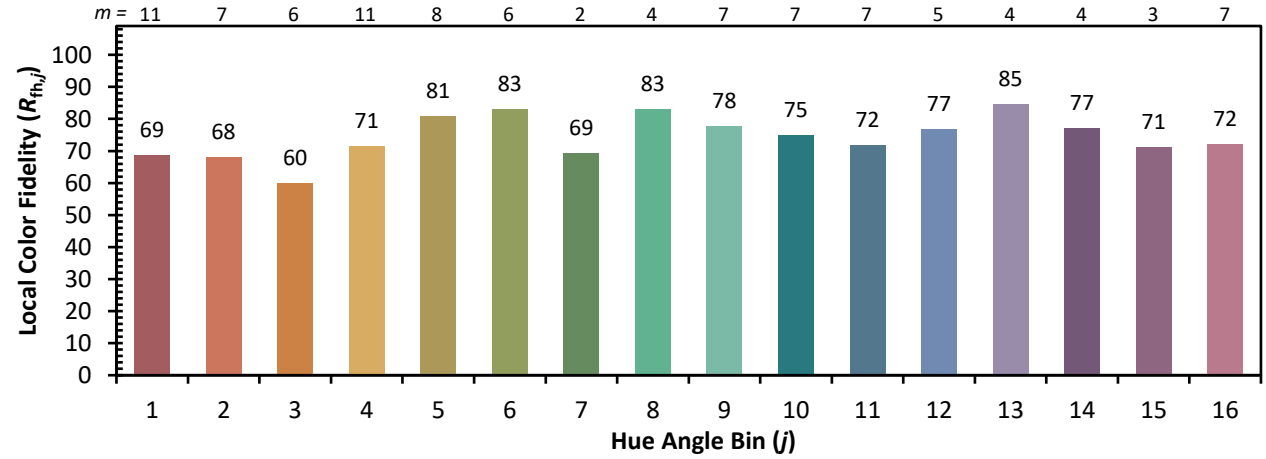
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



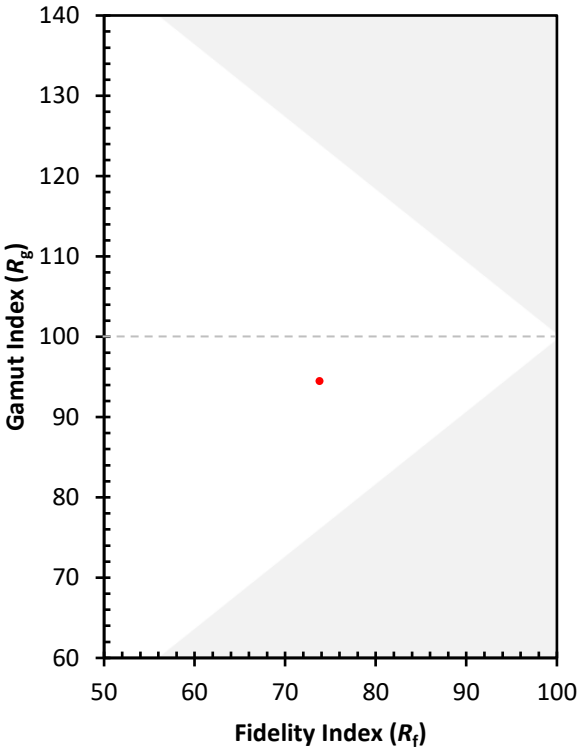


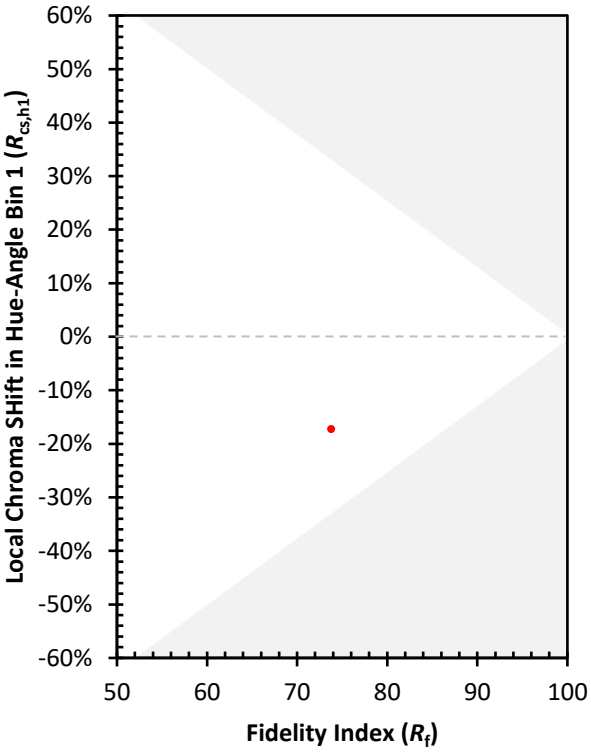


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)