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: LUMARK

Report Number: P1066972

Luminaire Tested: **NAV-SA4D-727-U-T3BC**

Issue Date: 08/07/2025

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:	P1066972
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA4D-727-U-T3BC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE 70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source:	(56) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21173.4 lumens
Efficiency:	N/A
Efficacy:	96.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G4

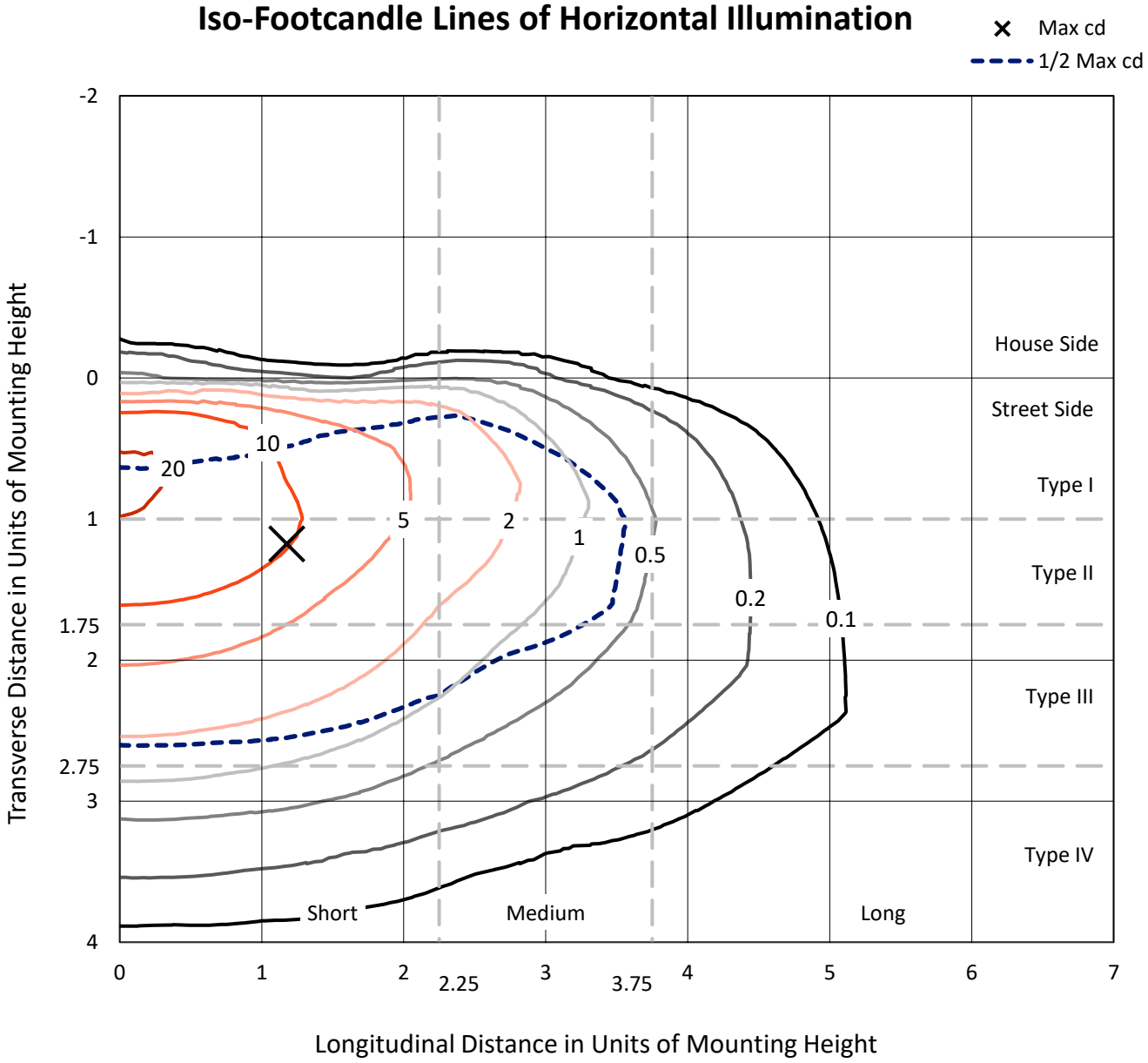
Input Watts (W):	218.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1066972
CATALOG NUMBER: NAV-SA4D-727-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination



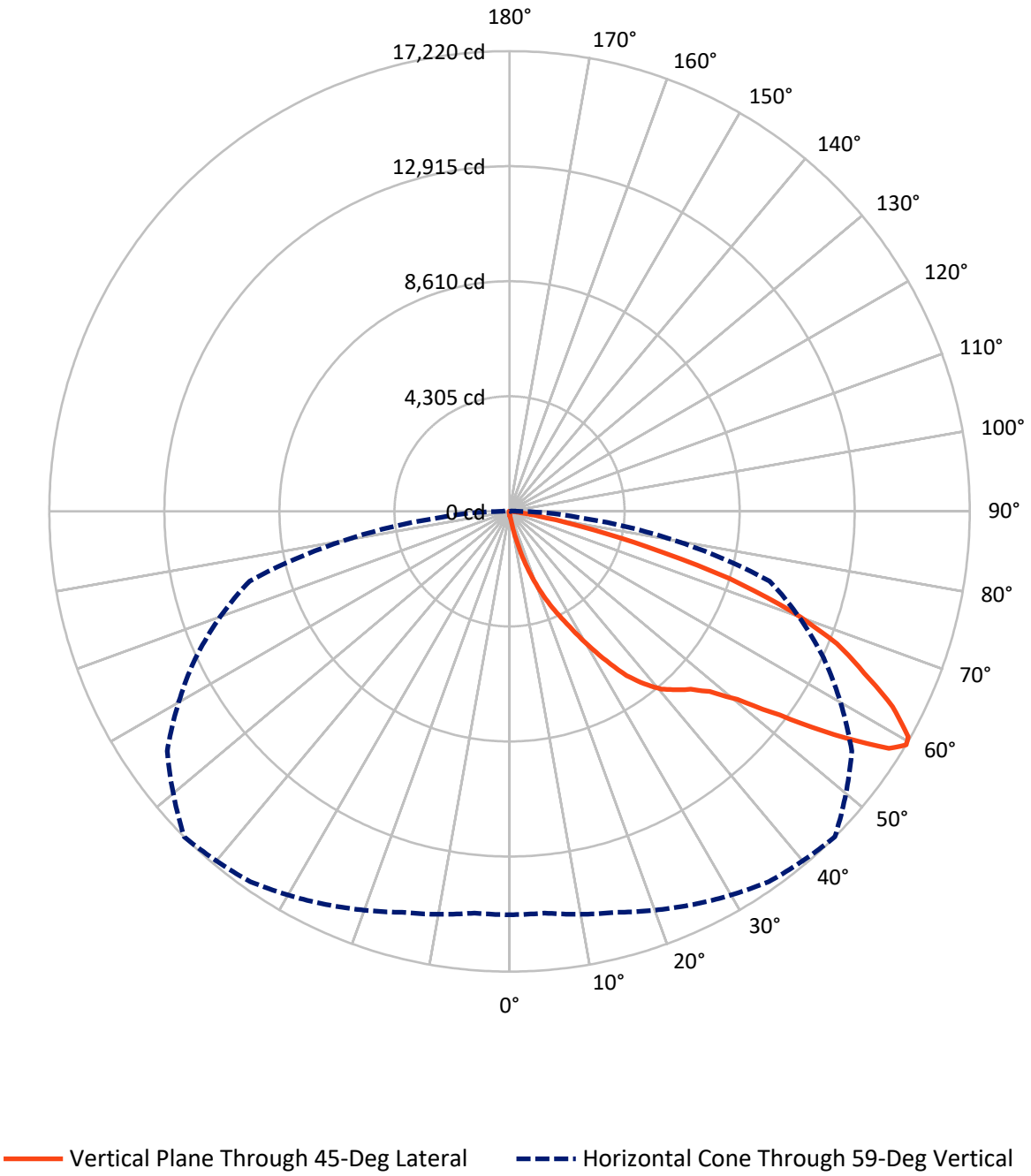
Based on 15 foot mounting height. Maximum calculated value = 23.1 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1066972
CATALOG NUMBER: NAV-SA4D-727-U-T3BC

Luminous Intensity Polar Plot



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

Scaled Data Report

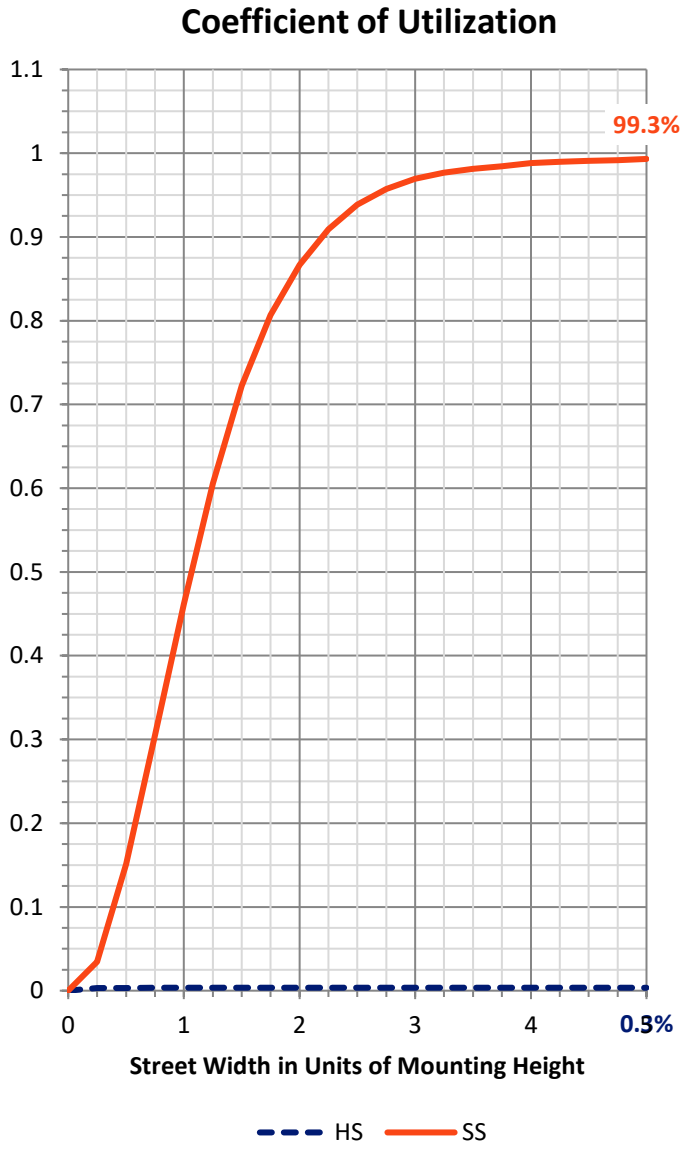
REPORT NUMBER: P1066972
CATALOG NUMBER: NAV-SA4D-727-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	75.2	0.0	75.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	21098.3	0.0	21098.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	21173.4	0.0	21173.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.1
10°-20°	234.0	1.1
20°-30°	840.9	4.0
30°-40°	1954.0	9.2
40°-50°	3330.5	15.7
50°-60°	5487.7	25.9
60°-70°	6345.0	30.0
70°-80°	2726.0	12.9
80°-90°	235.6	1.1
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°	21173.4	100.0
0°-180°	21173.4	100.0



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

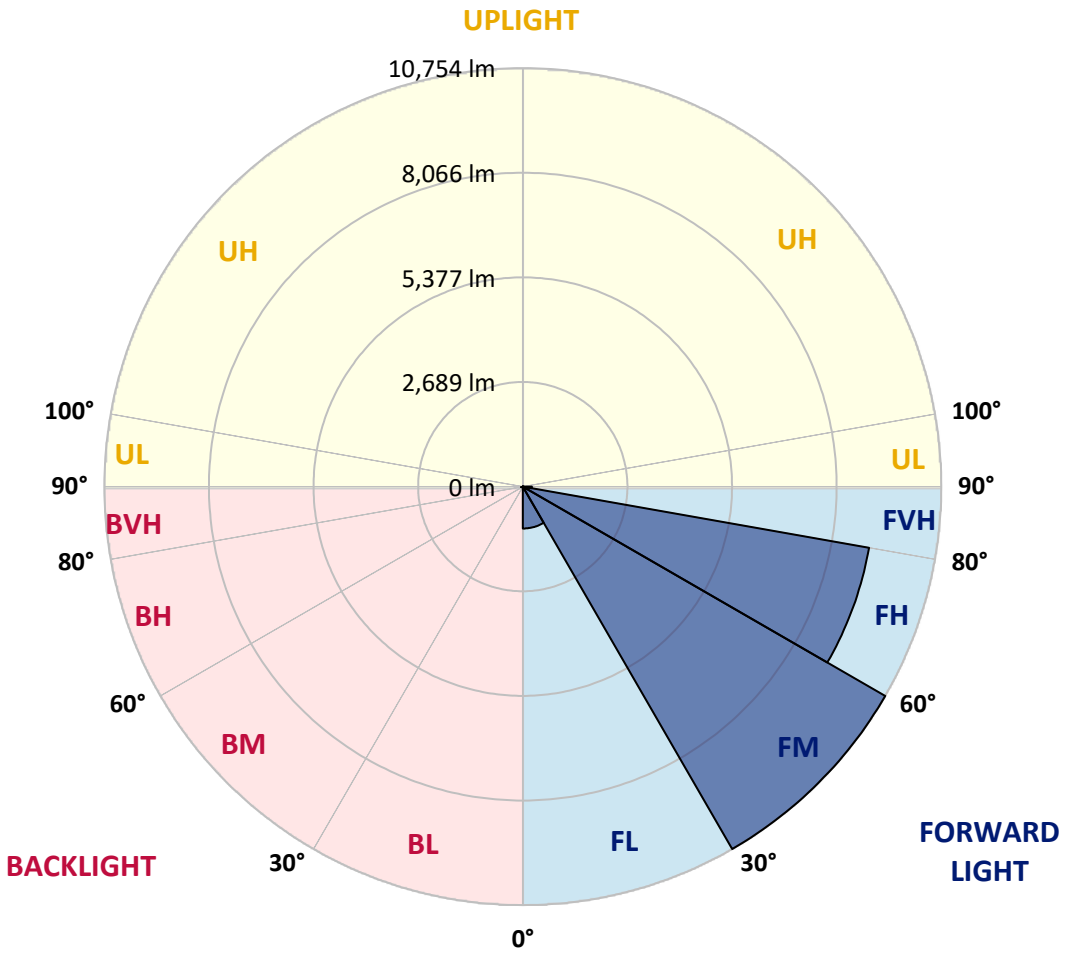
Scaled Data Report

REPORT NUMBER: P1066972
CATALOG NUMBER: NAV-SA4D-727-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1076.0	5.1			
FM	(30°-60°)	10754.0	50.8			
FH	(60°-80°)	9035.7	42.7			G4/12000
FVH	(80°-90°)	232.5	1.1			G3/500
BL	(0°-30°)	18.5	0.1	B0/110		
BM	(30°-60°)	18.2	0.1	B0/220		
BH	(60°-80°)	35.4	0.2	B0/110		G0/110
BVH	(80°-90°)	3.1	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-G4
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1066972
CATALOG NUMBER: NAV-SA4D-727-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	133.8	133.8	133.8	133.8	133.8	133.8	*133.8*	133.8	133.8	133.8	133.8
2.5°	173.7	173.7	169.4	163.7	162.3	158.0	*158.0*	153.8	148.1	143.8	138.1
5°	252.0	250.6	239.2	224.9	206.4	195.0	*195.0*	179.4	165.2	152.3	140.9
7.5°	551.0	538.2	496.9	428.5	338.8	279.0	*274.8*	223.5	189.4	163.7	142.4
10°	1264.3	1220.1	1161.7	998.0	737.5	515.4	*505.4*	326.0	226.4	176.5	145.2
12.5°	2071.5	2107.1	1990.3	1732.7	1428.0	1062.1	*990.9*	549.6	299.0	193.6	148.1
15°	2806.1	2797.6	2732.1	2521.4	2169.7	1682.8	*1638.7*	955.3	428.5	220.7	150.9
17.5°	3355.7	3345.7	3283.1	3147.8	2877.3	2390.4	*2352.0*	1523.4	672.0	259.1	153.8
20°	3935.1	3922.3	3834.0	3725.8	3489.5	3075.2	*3029.6*	2158.3	1052.1	321.8	153.8
22.5°	4629.9	4605.7	4511.7	4328.1	4078.9	3718.7	*3677.4*	2807.6	1523.4	424.3	160.9
25°	5469.9	5428.6	5299.0	5133.9	4833.5	4355.1	*4311.0*	3530.8	2091.4	579.4	168.0
27.5°	6428.0	6435.2	6260.0	5981.0	5578.1	5089.8	*5007.2*	4178.6	2679.4	801.5	176.5
30°	7565.6	7494.4	7248.1	6923.5	6532.0	5909.8	*5830.1*	4823.5	3340.0	1129.0	190.8
32.5°	8630.5	8553.6	8221.9	7813.3	7393.3	6737.0	*6671.5*	5548.2	3940.8	1516.2	216.4
35°	9544.5	9490.4	9026.3	8528.0	8155.0	7568.4	*7548.5*	6356.9	4647.0	1933.4	244.9
37.5°	10348.9	10250.7	9654.2	9137.4	8758.6	8233.3	*8190.6*	7097.2	5327.5	2417.5	287.6
40°	11035.2	10981.1	10253.5	9574.4	9266.9	8797.1	*8743.0*	7746.4	6030.8	2979.8	340.3
42.5°	11769.8	11698.6	10992.4	10230.8	9664.1	9161.6	*9126.0*	8281.7	6657.3	3597.7	418.6
45°	12599.8	12467.4	11848.1	11164.7	10303.4	9538.8	*9499.0*	8758.6	7299.3	4261.2	514.0
47.5°	13486.8	13371.5	12870.3	12390.5	11399.6	10161.0	*10075.6*	9164.4	7937.2	5027.1	635.0
50°	14389.4	14392.3	14016.4	13785.8	12739.3	11171.8	*11050.8*	9760.9	8607.7	5847.2	814.4
52.5°	15440.1	15467.2	15461.5	15290.6	14479.1	12824.8	*12662.5*	10666.4	9386.5	6803.9	1062.1
55°	15880.0	15928.4	16243.1	16621.8	16401.1	14920.5	*14746.8*	12228.2	10418.7	7870.3	1429.4
57.5°	15519.8	15573.9	16008.2	16671.6	17178.4	16755.6	*16735.7*	14261.3	11778.3	9163.0	2030.2
59°	*15091.3*	*15084.2*	*15529.8*	*16233.1*	*16916.5*	*17191.3*	*17219.7*	*15636.6*	*12962.9*	*10069.9*	*2548.4*
60°	14806.6	14812.2	15108.4	15830.2	16556.3	17033.2	*17144.3*	16446.7	13654.8	10721.9	2992.6
62.5°	13707.5	13772.9	14007.9	14678.4	15367.5	15900.0	*16089.3*	17168.5	15635.2	12262.4	4537.4
65°	12513.0	12517.2	12851.8	13425.6	14086.2	14460.6	*14580.2*	16045.2	16957.8	13831.3	6563.3
67.5°	10381.7	10468.5	10848.6	11778.3	12651.1	13125.2	*13216.3*	13966.6	16409.6	14853.5	7578.4
70°	7265.2	7379.1	7921.5	9127.4	10427.2	11206.0	*11200.3*	11610.3	14442.1	14397.9	6425.2
72.5°	3627.6	3824.1	4266.9	5558.2	7132.8	8355.7	*8613.4*	9339.5	11601.8	11959.1	4793.6
75°	1603.1	1614.5	1866.5	2517.1	3545.0	5098.3	*5328.9*	7413.2	8901.0	8311.6	3462.5
77.5°	932.5	941.1	986.6	1130.4	1436.5	2498.6	*2757.7*	4862.0	6289.9	4830.6	2258.0
80°	338.8	347.4	346.0	428.5	629.3	983.8	*1096.3*	2356.2	4195.7	2544.2	1183.1
82.5°	207.9	207.9	200.7	202.2	229.2	377.3	*412.9*	1003.7	2043.0	1252.9	338.8
85°	102.5	108.2	115.3	129.6	153.8	186.5	*197.9*	287.6	687.7	303.2	81.2
87.5°	61.2	62.6	68.3	82.6	102.5	133.8	*142.4*	195.0	246.3	203.6	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1066972
CATALOG NUMBER: NAV-SA4D-727-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8
2.5°	135.3	133.8	126.7	121.0	115.3	109.6	105.4	101.1	101.1	102.5	101.1
5°	135.3	129.6	118.2	108.2	99.7	92.5	85.4	79.7	78.3	78.3	79.7
7.5°	133.8	126.7	111.0	98.2	86.8	76.9	69.8	62.6	61.2	62.6	61.2
10°	132.4	123.9	105.4	89.7	74.0	64.1	54.1	47.0	47.0	47.0	48.4
12.5°	132.4	119.6	99.7	81.2	64.1	52.7	42.7	35.6	34.2	34.2	34.2
15°	131.0	116.7	94.0	71.2	54.1	39.9	31.3	24.2	24.2	24.2	24.2
17.5°	128.1	112.5	86.8	62.6	42.7	29.9	21.4	14.2	14.2	17.1	17.1
20°	125.3	108.2	78.3	51.3	35.6	22.8	14.2	8.5	8.5	12.8	14.2
22.5°	126.7	108.2	72.6	45.6	28.5	17.1	11.4	7.1	5.7	10.0	12.8
25°	128.1	105.4	65.5	39.9	21.4	12.8	8.5	2.8	1.4	2.8	4.3
27.5°	128.1	102.5	56.9	31.3	15.7	10.0	4.3	0.0	0.0	0.0	0.0
30°	126.7	98.2	49.8	25.6	11.4	5.7	1.4	0.0	0.0	0.0	0.0
32.5°	125.3	94.0	45.6	19.9	10.0	2.8	0.0	0.0	0.0	0.0	0.0
35°	126.7	88.3	39.9	15.7	5.7	0.0	0.0	0.0	0.0	0.0	2.8
37.5°	131.0	82.6	34.2	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	136.7	78.3	28.5	10.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	148.1	78.3	25.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	162.3	78.3	21.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	180.8	79.7	18.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	203.6	82.6	17.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	220.7	79.7	15.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	250.6	76.9	14.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	290.4	72.6	14.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	*330.3*	*66.9*	*14.2*	*1.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	375.9	64.1	12.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	620.7	56.9	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1198.8	54.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1937.7	54.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2037.3	54.1	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1355.4	44.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	726.1	39.9	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	391.5	37.0	5.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	172.3	27.1	7.1	4.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	68.3	18.5	8.5	7.1	5.7	2.8	0.0	0.0	0.0	0.0	0.0
85°	32.7	14.2	11.4	10.0	7.1	4.3	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	14.2	12.8	11.4	10.0	7.1	1.4	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

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

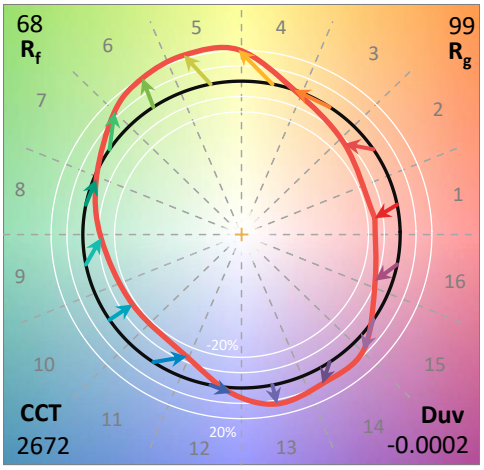
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

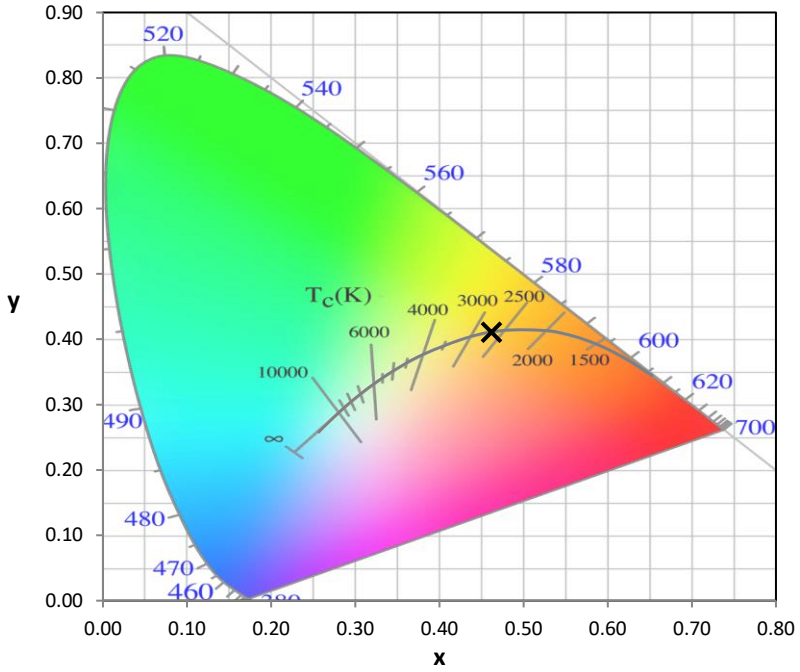
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

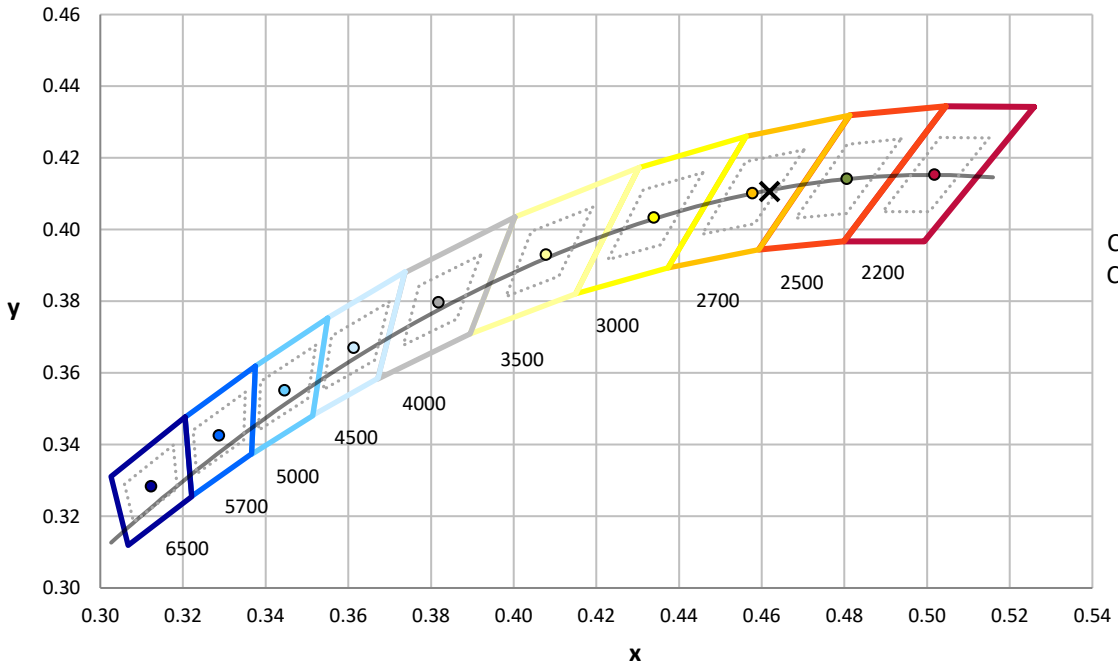
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

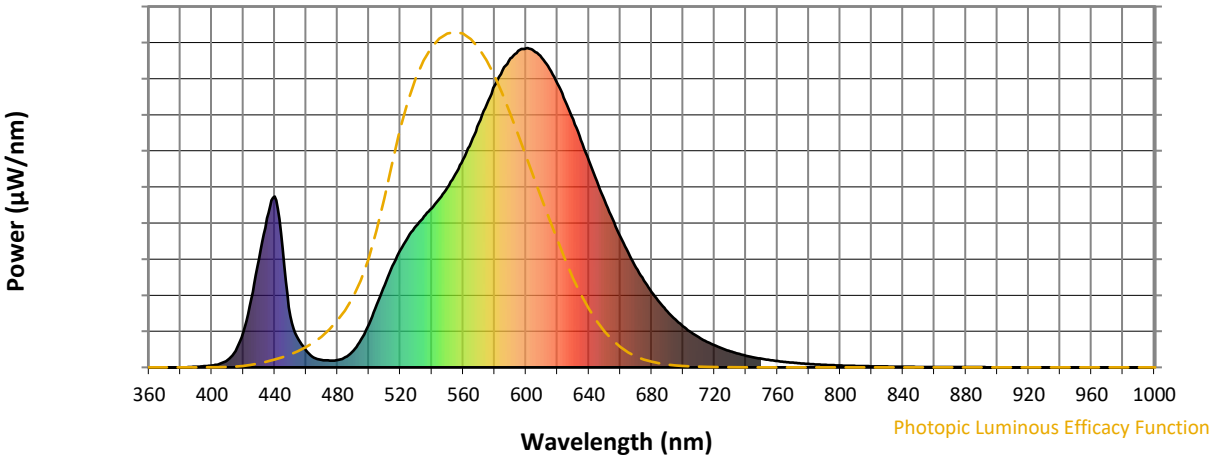


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

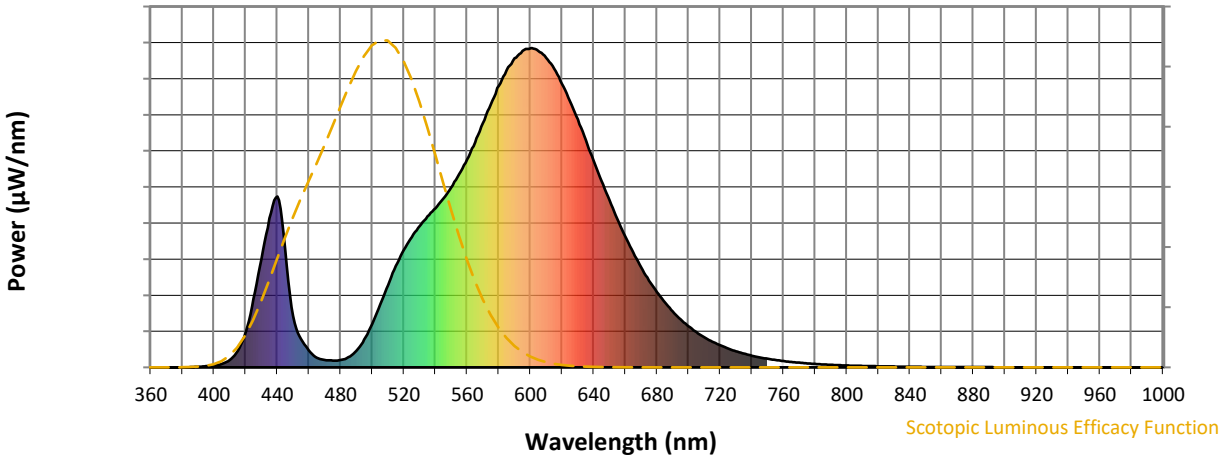


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

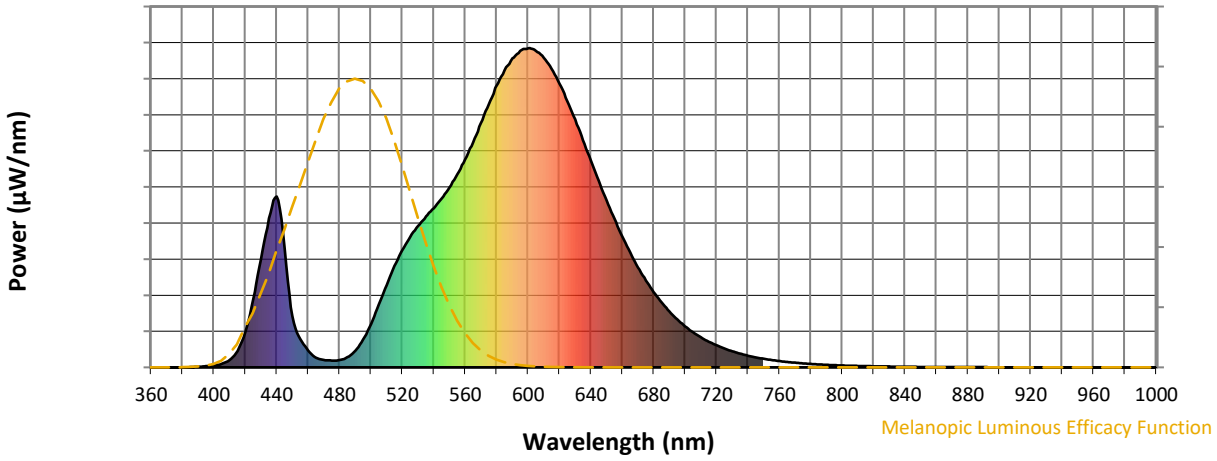


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

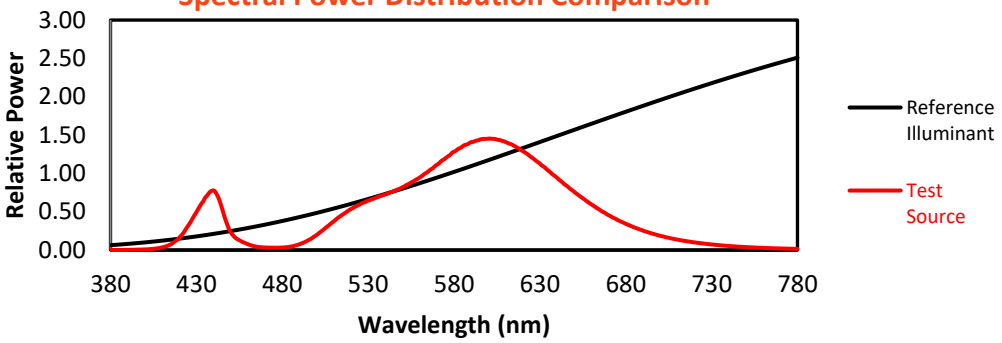
REPORT NUMBER: SP1-2407-184-3

TM-30-18

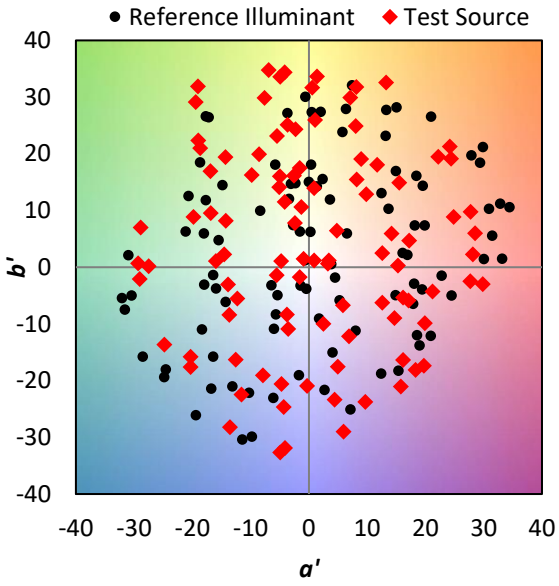
Summary

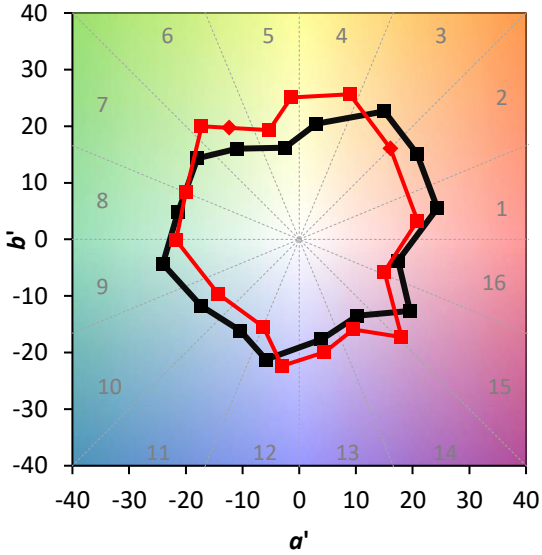
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

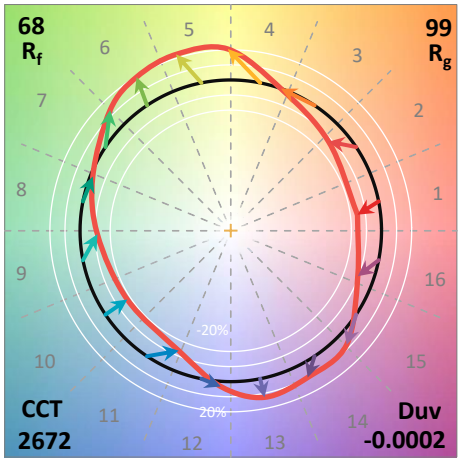
Spectral Power Distribution Comparison

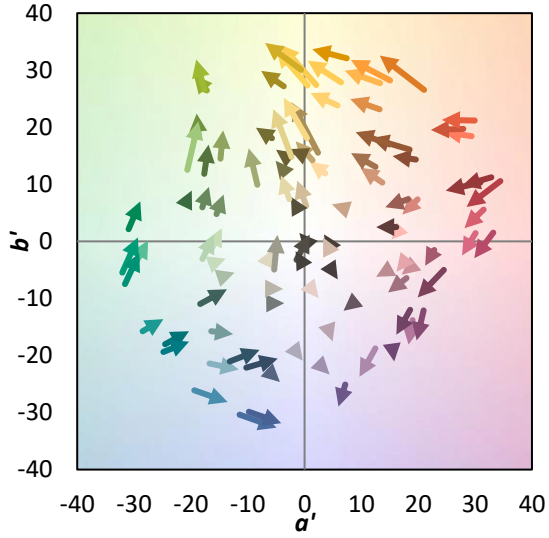


Color Vector Graphics







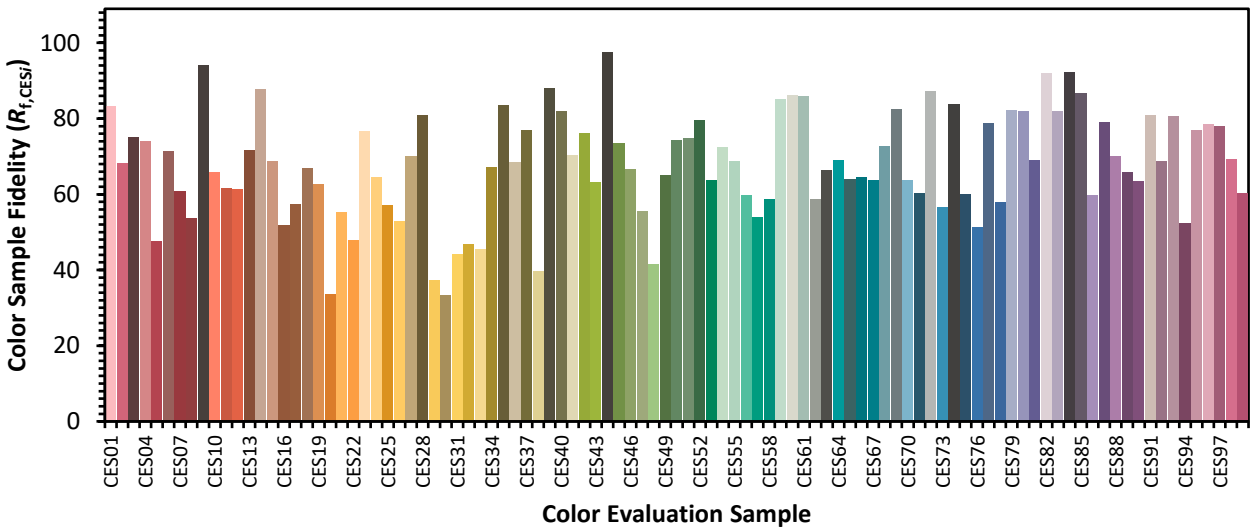


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

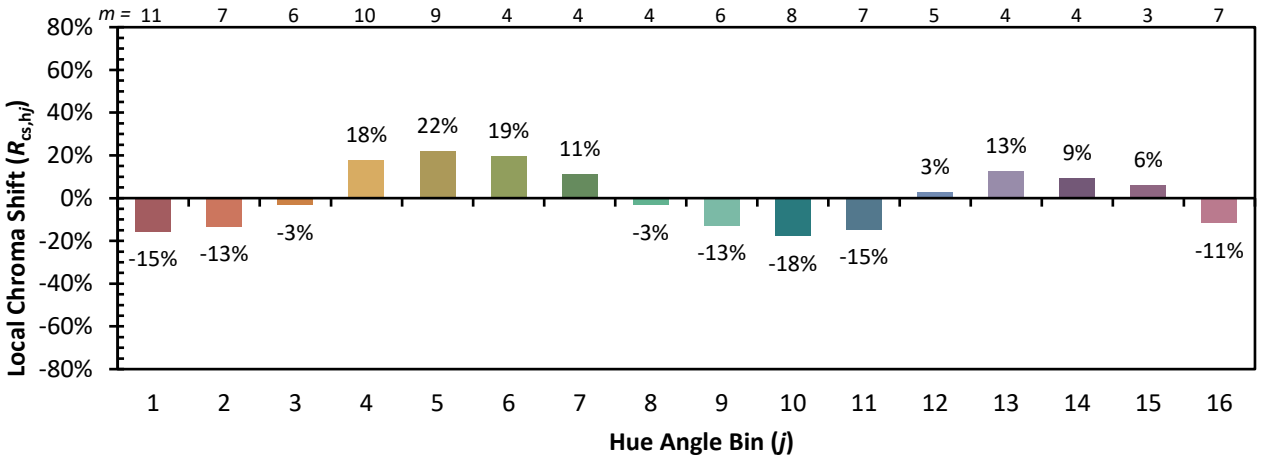
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

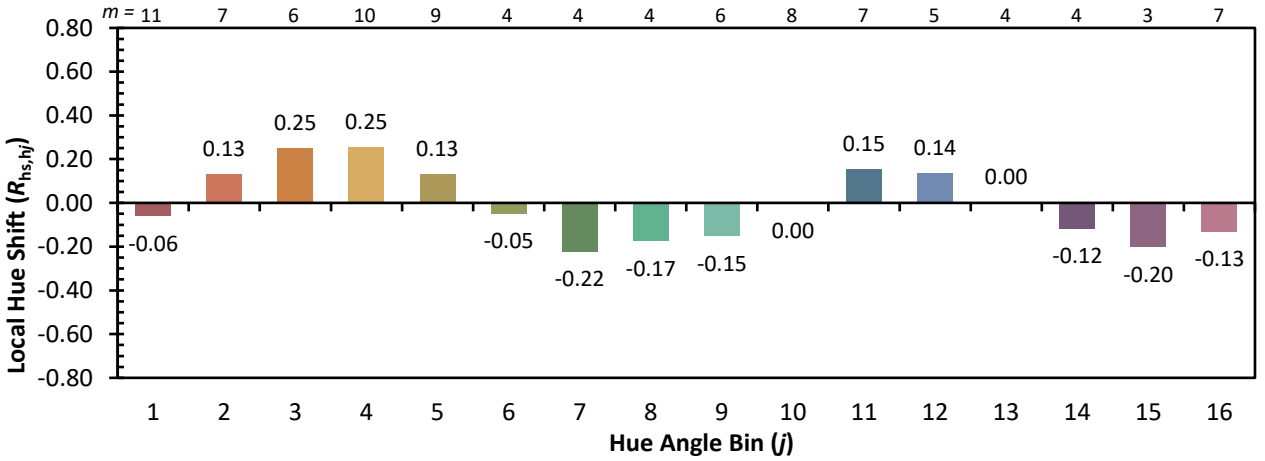


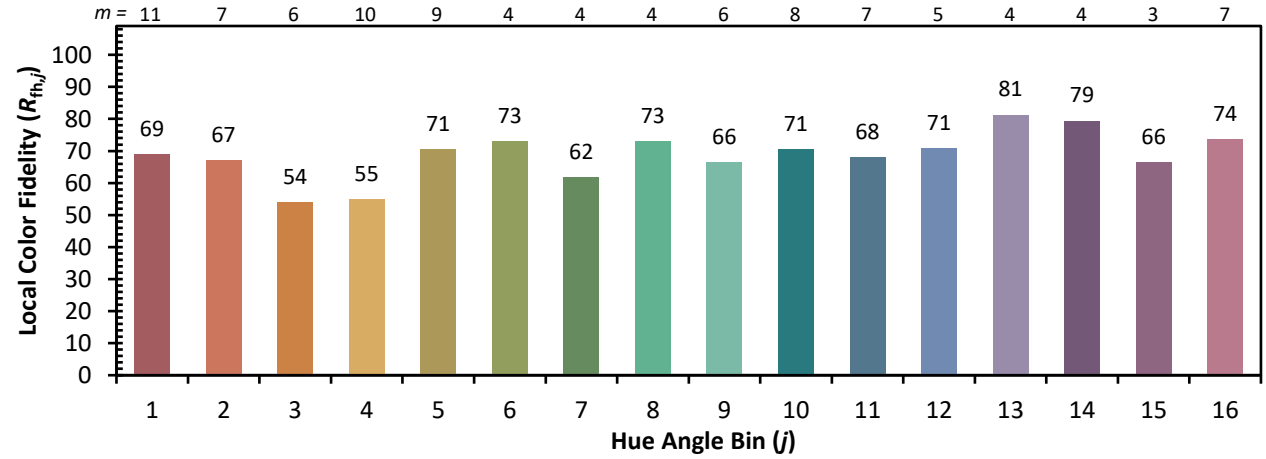
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



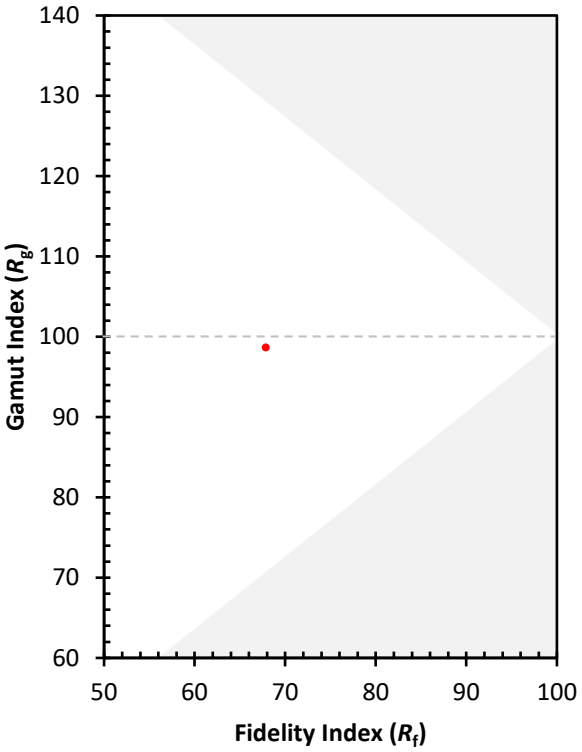


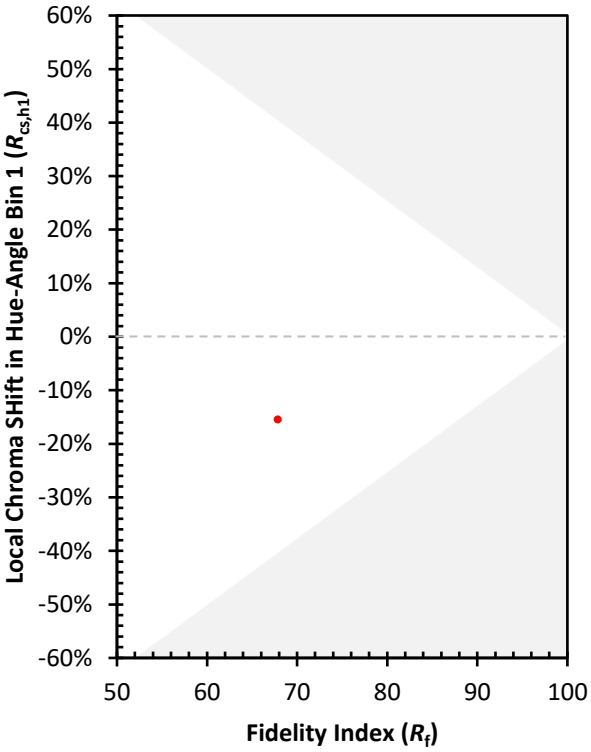


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)