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: P1067240

Luminaire Tested: **NAV-SA5D-730-U-T2BC**

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:	P1067240
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA5D-730-U-T2BC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1200mA 5xLight Square PACKAGE 70CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source:	(70) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27301.2 lumens
Efficiency:	N/A
Efficacy:	101.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G4

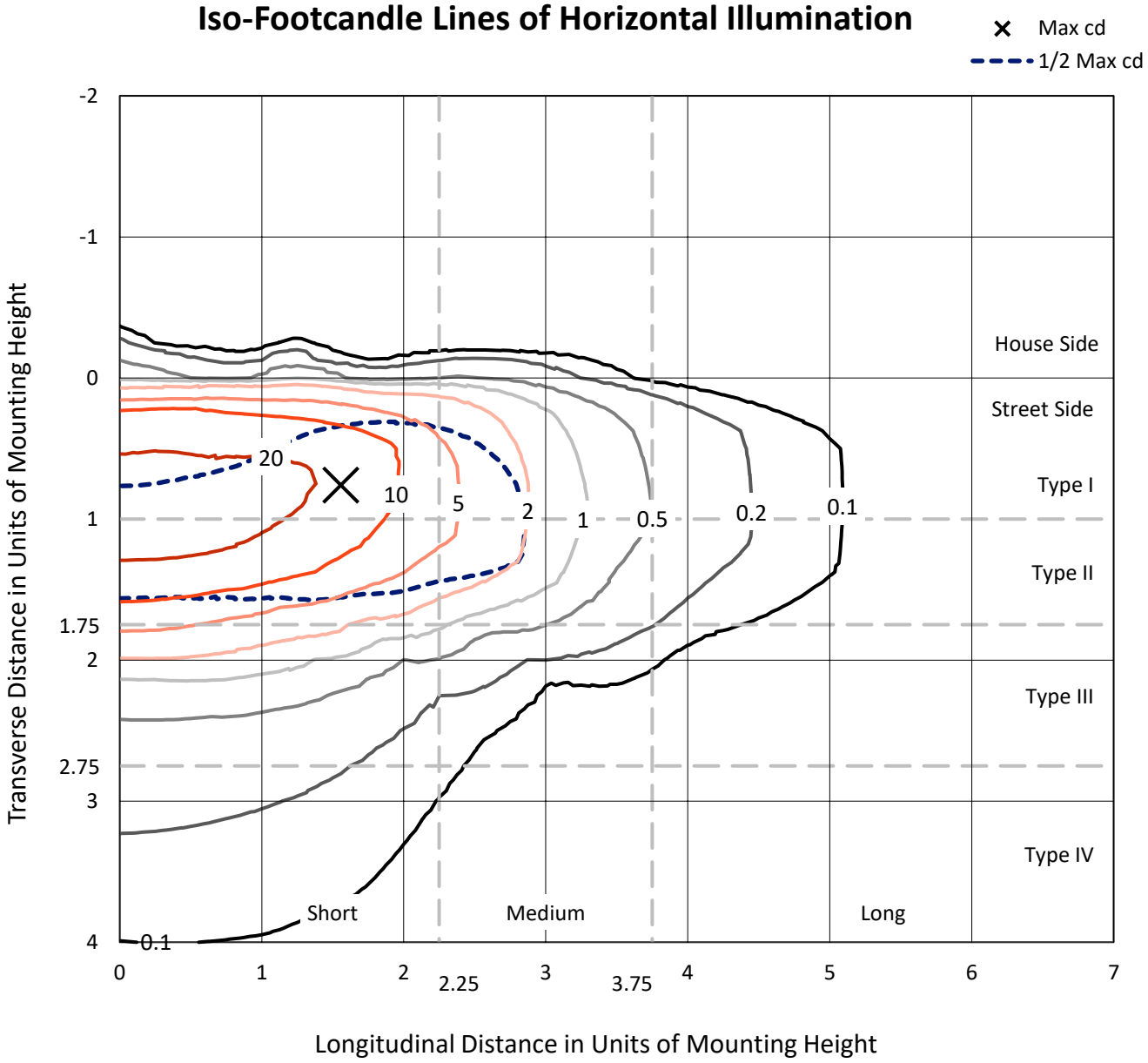
Input Watts (W):	269.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1067240
CATALOG NUMBER: NAV-SA5D-730-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination



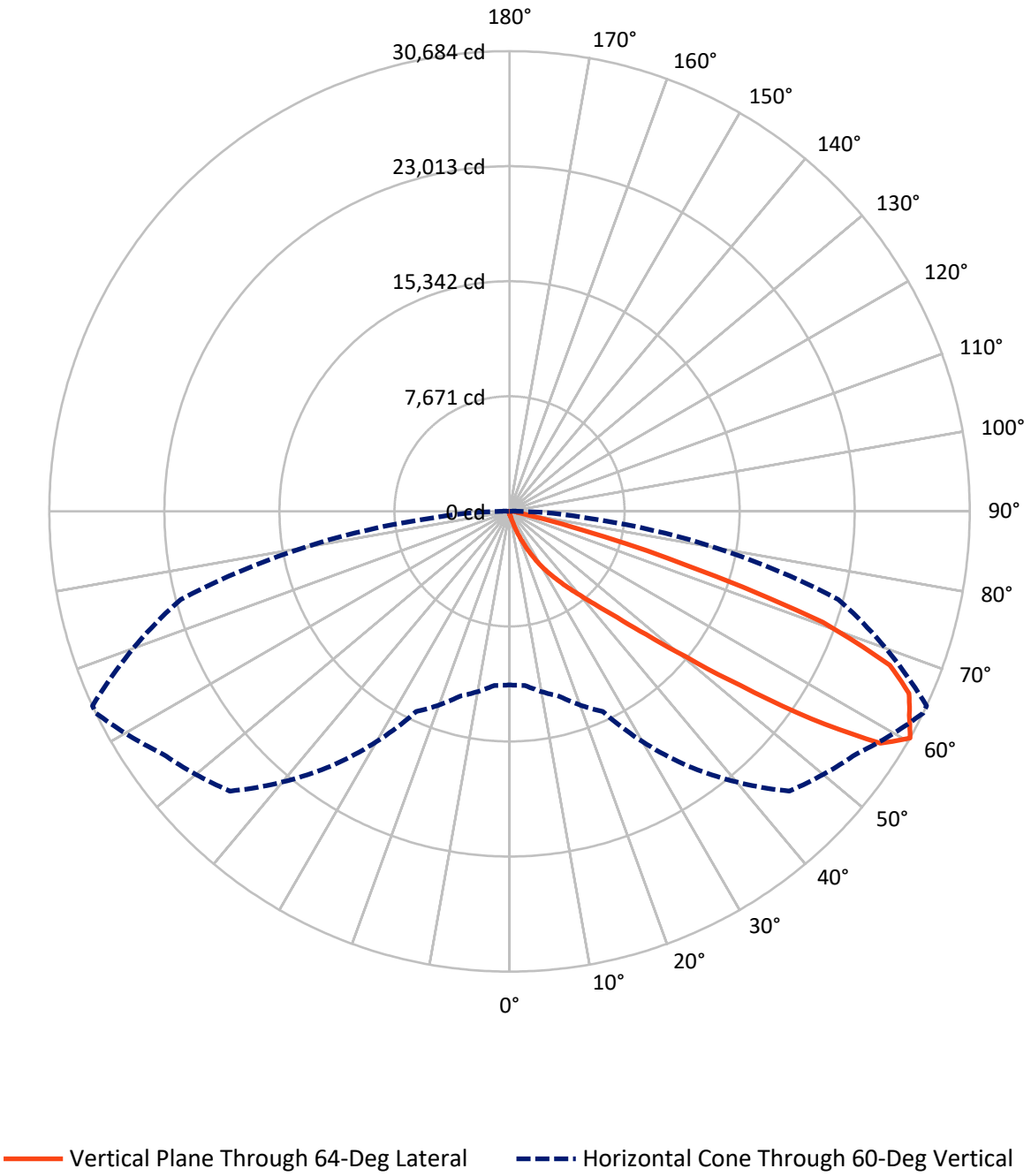
Based on 15 foot mounting height. Maximum calculated value = 39.2 fc
Type II - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1067240
CATALOG NUMBER: NAV-SA5D-730-U-T2BC

Luminous Intensity Polar Plot



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

Scaled Data Report

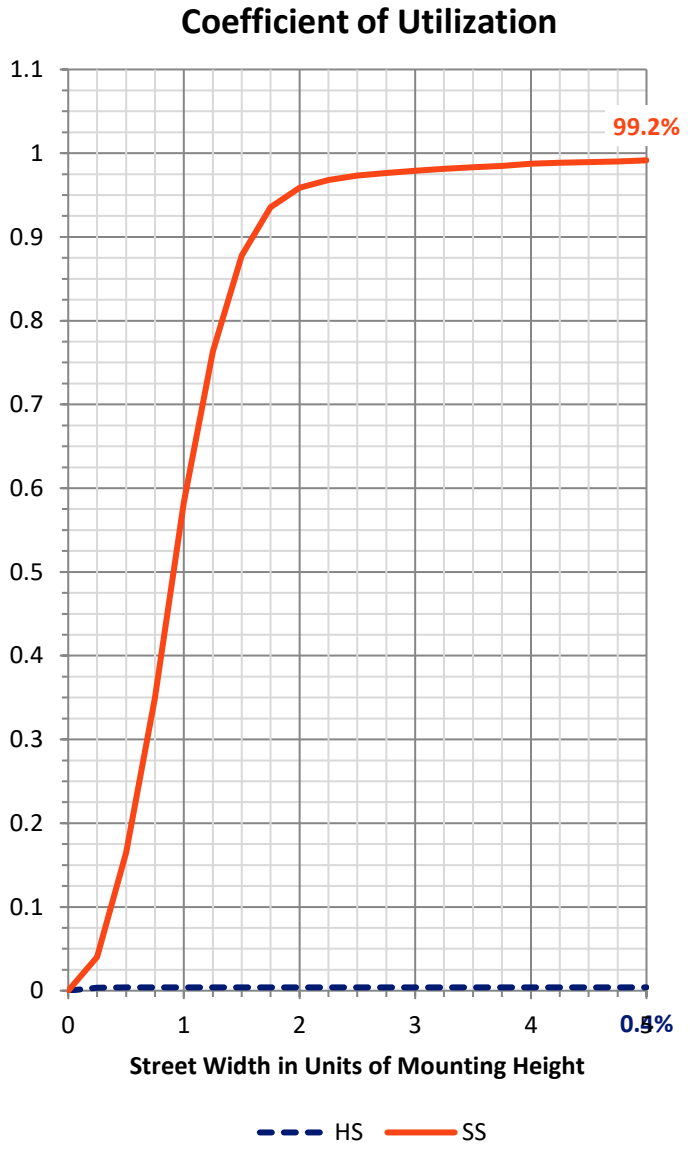
REPORT NUMBER: P1067240
CATALOG NUMBER: NAV-SA5D-730-U-T2BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	110.7	0.0	110.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	27190.6	0.0	27190.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	27301.2	0.0	27301.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	0.1
10°-20°	268.3	1.0
20°-30°	891.0	3.3
30°-40°	2377.6	8.7
40°-50°	6043.2	22.1
50°-60°	8809.7	32.3
60°-70°	6804.6	24.9
70°-80°	1868.7	6.8
80°-90°	210.9	0.8
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°	27301.2	100.0
0°-180°	27301.2	100.0



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

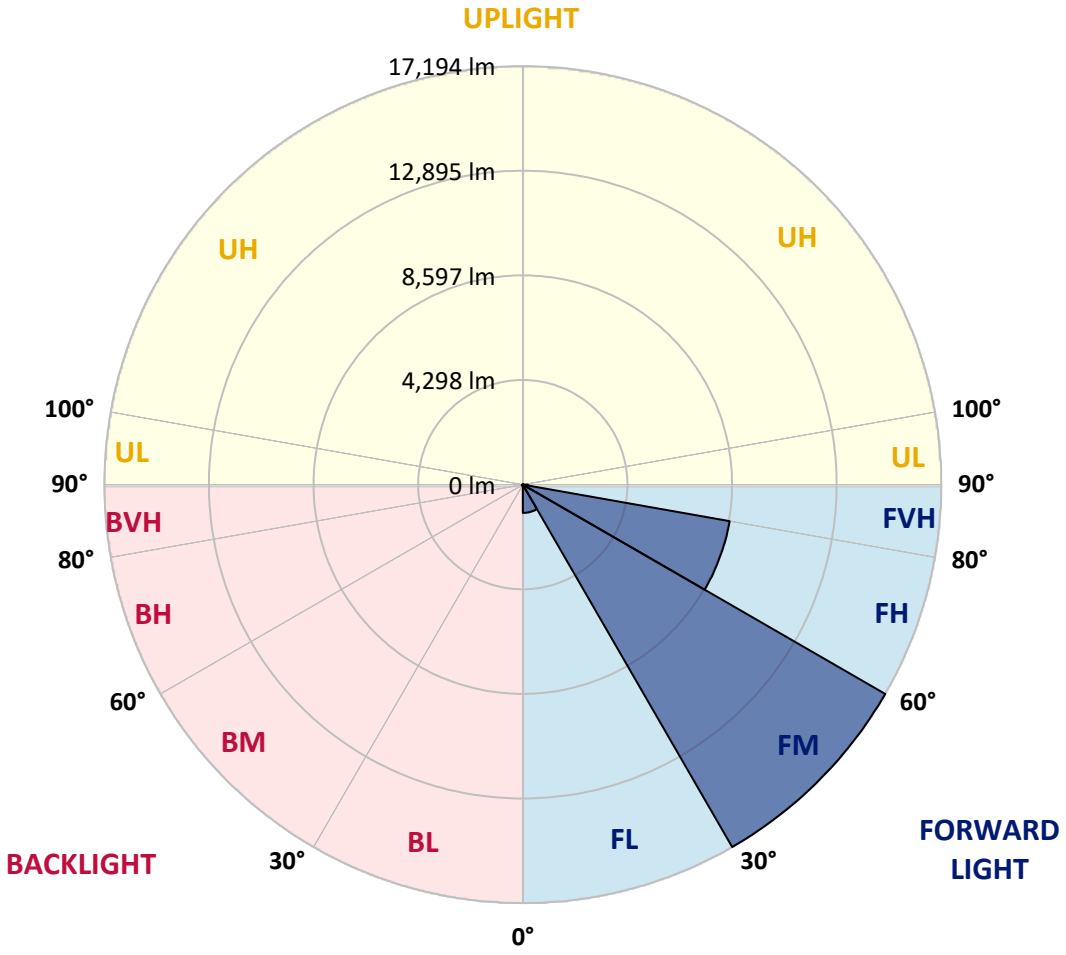
Scaled Data Report

REPORT NUMBER: P1067240
CATALOG NUMBER: NAV-SA5D-730-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1161.6	4.3			
FM	(30°-60°)	17193.8	63.0			
FH	(60°-80°)	8629.2	31.6			G4/12000
FVH	(80°-90°)	205.9	0.8			G2/225
BL	(0°-30°)	24.9	0.1	B0/110		
BM	(30°-60°)	36.7	0.1	B0/220		
BH	(60°-80°)	44.1	0.2	B0/110		G0/110
BVH	(80°-90°)	5.0	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 II Short



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

Scaled Data Report

REPORT NUMBER: P1067240
CATALOG NUMBER: NAV-SA5D-730-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	*180.4*	180.4	180.4	180.4
2.5°	240.5	240.5	240.5	233.0	225.5	225.5	217.9	*210.4*	210.4	195.4	187.9
5°	368.2	368.2	353.2	338.2	315.6	285.6	255.5	*233.0*	233.0	210.4	195.4
7.5°	721.4	744.0	676.4	593.7	481.0	405.8	323.1	*270.5*	263.0	225.5	195.4
10°	1563.1	1548.1	1442.9	1240.0	977.0	706.4	450.9	*330.7*	315.6	240.5	195.4
12.5°	2352.2	2374.8	2262.0	2036.6	1720.9	1255.0	774.1	*428.4*	413.3	263.0	195.4
15°	3028.6	3028.6	2953.4	2840.7	2495.0	2006.5	1247.5	*638.8*	586.2	285.6	187.9
17.5°	3494.5	3487.0	3456.9	3426.9	3224.0	2720.5	1908.8	*1022.0*	901.8	338.2	187.9
20°	4020.6	3998.0	4035.6	3975.5	3817.6	3419.4	2607.7	*1518.0*	1405.3	428.4	187.9
22.5°	4569.2	4591.7	4621.8	4561.6	4388.8	4043.1	3344.2	*2156.8*	2036.6	593.7	195.4
25°	5268.1	5253.0	5320.7	5268.1	5050.1	4644.3	4035.6	*2855.7*	2682.9	826.7	210.4
27.5°	6124.8	6094.7	6139.8	6004.5	5719.0	5305.6	4651.8	*3569.7*	3366.7	1187.4	240.5
30°	7259.5	7282.1	7079.2	6921.4	6515.6	5967.0	5335.7	*4336.2*	4125.8	1615.7	270.5
32.5°	9048.1	8890.3	8574.7	7935.9	7402.3	6703.4	6019.6	*5005.0*	4817.2	2164.3	315.6
35°	11836.2	11866.3	11174.9	9596.7	8439.4	7627.8	6771.1	*5741.5*	5606.2	2788.1	375.8
37.5°	15233.0	15150.4	14541.6	12550.1	9957.4	8777.6	7627.8	*6545.6*	6350.2	3464.4	450.9
40°	19080.7	18735.0	18381.8	17029.1	13121.3	10220.5	8710.0	*7477.5*	7327.2	4246.0	571.1
42.5°	22161.9	22071.7	22131.8	21568.2	18396.9	12677.9	10145.3	*8619.8*	8439.4	5215.4	781.6
45°	23679.9	23552.2	23912.9	24333.8	23522.1	17908.4	12460.0	*10077.7*	9837.2	6357.7	1104.7
47.5°	23274.1	23183.9	23958.0	24784.7	25866.8	23973.0	16240.0	*12257.1*	11843.7	7823.2	1585.7
50°	21275.1	21282.6	22552.7	24093.3	25806.7	27046.7	21838.8	*15240.5*	14722.0	9769.6	2337.2
52.5°	19328.7	19388.8	20734.0	22981.0	24912.4	27407.4	26753.6	*19261.1*	18419.4	12061.7	3224.0
55°	17329.7	17359.8	18547.2	21711.0	24491.6	26332.8	29278.7	*24439.0*	23544.7	14917.4	4088.2
57.5°	15405.9	15405.9	15849.3	18659.9	24033.1	26235.1	28978.1	*29173.4*	28444.5	18178.9	4727.0
60°	*11573.2*	*11648.3*	*12753.1*	*14722.0*	*20726.5*	*26377.8*	*28211.5*	*30684.0*	*30684.0*	*22703.0*	*5215.4*
62.5°	5846.7	5959.4	7334.7	9251.0	14218.5	24408.9	28331.8	*29925.0*	30045.2	26693.5	6327.7
65°	2743.0	2870.8	3607.2	4959.9	7650.3	17179.4	27084.3	*29278.7*	29241.1	25934.5	8672.4
67.5°	1968.9	2006.5	2254.5	2893.3	4118.3	7530.1	20673.9	*27347.3*	27362.3	22034.1	9972.5
70°	1766.0	1766.0	1826.2	2014.0	2480.0	3366.7	10047.6	*22146.9*	23221.5	17014.1	9243.5
72.5°	1743.5	1728.5	1713.4	1720.9	1675.9	1690.9	3449.4	*12505.1*	14038.1	11903.8	7372.3
75°	1698.4	1698.4	1683.4	1630.8	1337.7	1089.7	1187.4	*5057.6*	5846.7	7950.9	5471.0
77.5°	1345.2	1480.5	1638.3	1540.6	1225.0	819.1	691.4	*1465.4*	1848.7	4877.3	3967.9
80°	623.7	631.3	623.7	653.8	781.6	586.2	511.0	*713.9*	721.4	2705.4	2457.4
82.5°	450.9	458.4	435.9	390.8	345.7	315.6	420.8	*526.1*	563.6	1240.0	916.8
85°	135.3	127.8	150.3	202.9	240.5	278.1	353.2	*443.4*	465.9	458.4	135.3
87.5°	60.1	60.1	75.2	105.2	142.8	210.4	308.1	*405.8*	413.3	473.4	37.6
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: P1067240
CATALOG NUMBER: NAV-SA5D-730-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
2.5°	187.9	180.4	172.8	165.3	157.8	150.3	142.8	142.8	150.3	150.3	150.3
5°	180.4	172.8	157.8	142.8	135.3	127.8	120.2	120.2	127.8	127.8	127.8
7.5°	180.4	165.3	150.3	135.3	120.2	112.7	105.2	105.2	105.2	112.7	112.7
10°	180.4	165.3	142.8	120.2	105.2	97.7	90.2	82.7	90.2	90.2	90.2
12.5°	172.8	157.8	135.3	112.7	90.2	75.2	67.6	67.6	67.6	67.6	67.6
15°	165.3	150.3	127.8	97.7	75.2	60.1	45.1	45.1	45.1	52.6	52.6
17.5°	157.8	142.8	112.7	75.2	52.6	37.6	30.1	30.1	30.1	37.6	37.6
20°	157.8	135.3	97.7	60.1	37.6	22.5	15.0	15.0	15.0	22.5	30.1
22.5°	157.8	135.3	90.2	45.1	22.5	15.0	7.5	7.5	7.5	7.5	7.5
25°	157.8	127.8	82.7	37.6	15.0	7.5	0.0	0.0	7.5	15.0	22.5
27.5°	157.8	120.2	67.6	22.5	15.0	7.5	0.0	7.5	15.0	15.0	15.0
30°	157.8	120.2	60.1	22.5	7.5	0.0	0.0	7.5	15.0	15.0	22.5
32.5°	165.3	112.7	52.6	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	172.8	105.2	45.1	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	187.9	105.2	30.1	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	210.4	112.7	30.1	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	263.0	120.2	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	368.2	150.3	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	541.1	225.5	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	789.1	308.1	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	969.4	308.1	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	961.9	195.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	736.5	135.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	*623.7*	*97.7*	*7.5*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
62.5°	751.5	75.2	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1337.7	67.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2149.3	67.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2404.8	67.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1878.8	60.1	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1029.6	52.6	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	518.5	37.6	15.0	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	217.9	30.1	15.0	7.5	7.5	7.5	0.0	0.0	0.0	0.0	0.0
82.5°	75.2	30.1	15.0	15.0	7.5	7.5	0.0	0.0	0.0	0.0	0.0
85°	37.6	22.5	22.5	15.0	15.0	7.5	7.5	0.0	0.0	0.0	0.0
87.5°	22.5	22.5	22.5	15.0	15.0	7.5	7.5	0.0	0.0	0.0	7.5
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: SP1-2407-184-4

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

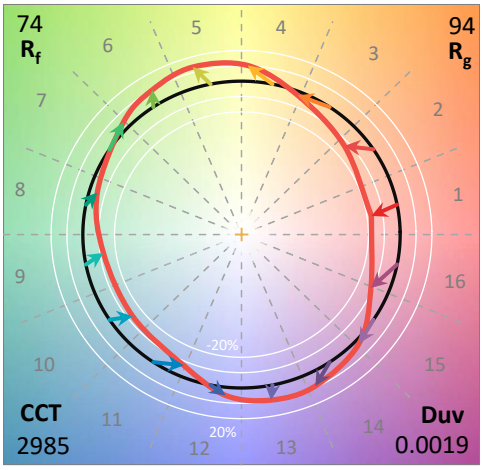
Test Information

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

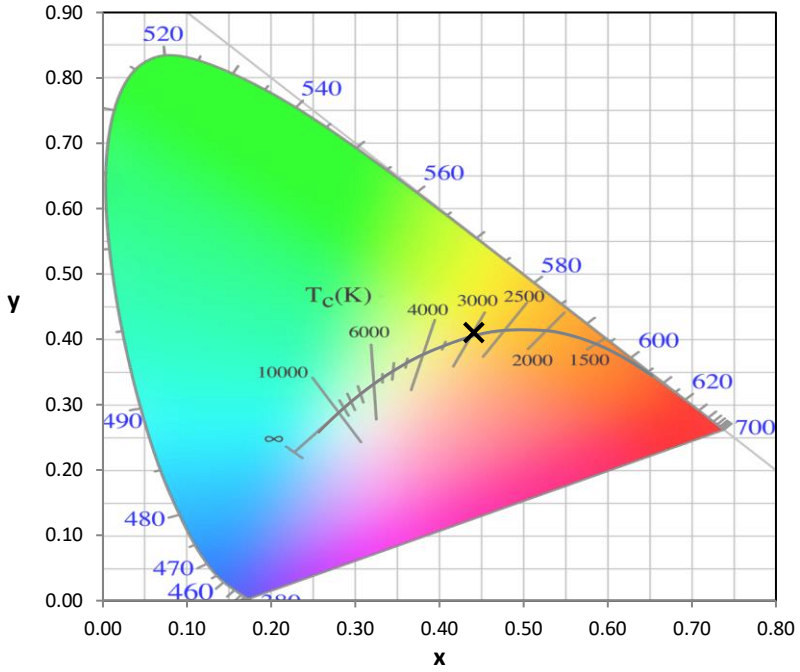
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

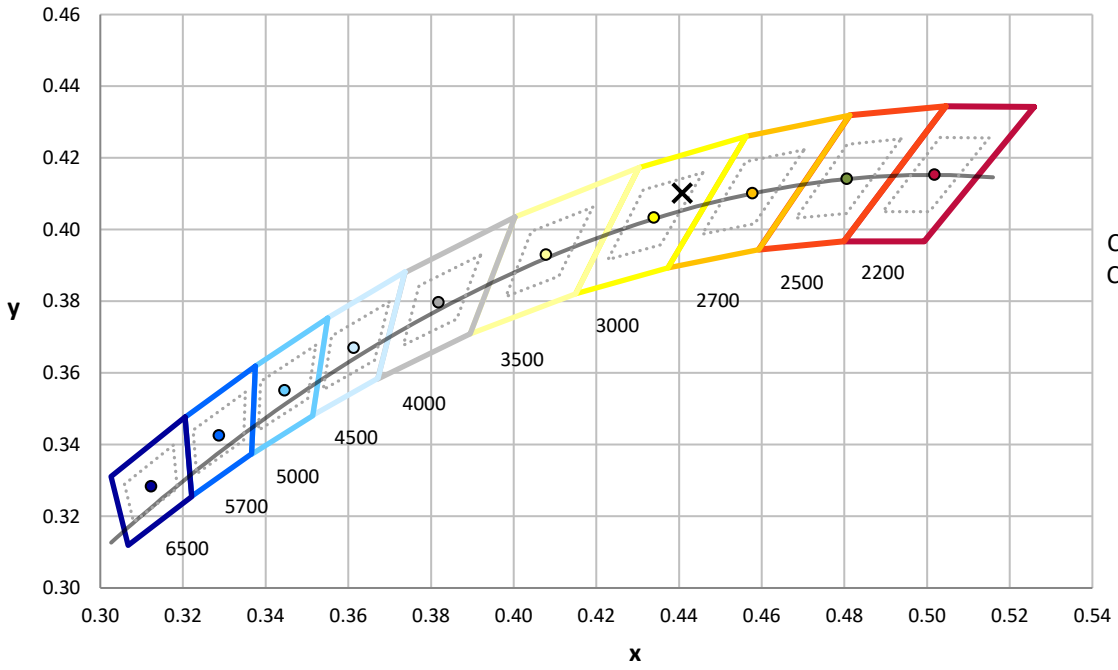
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

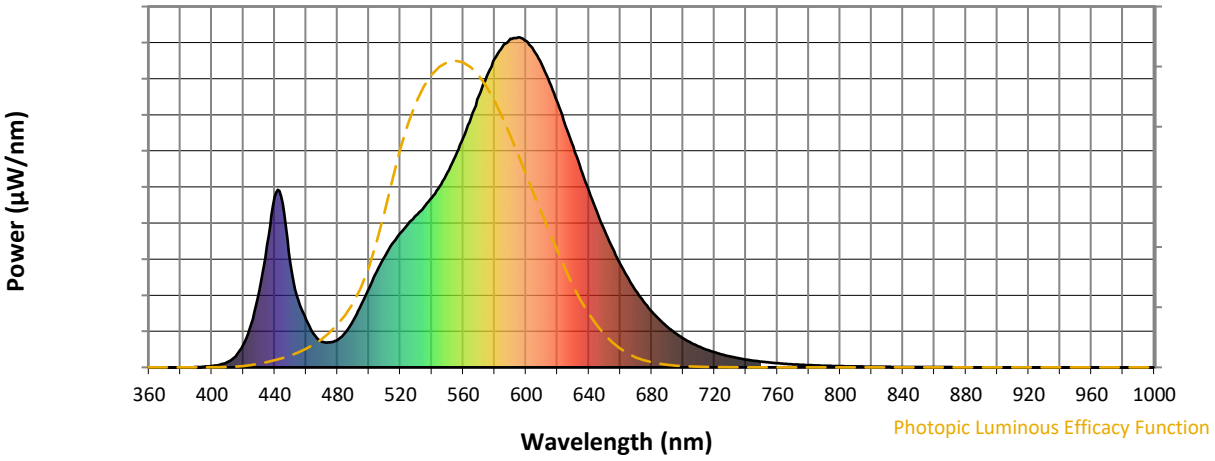


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

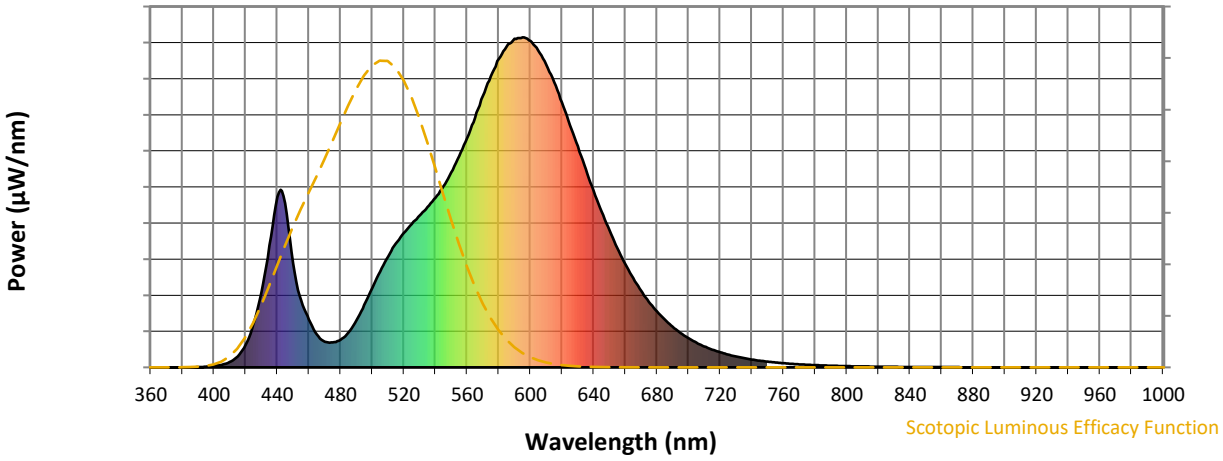


Photopic Lumens: NR

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

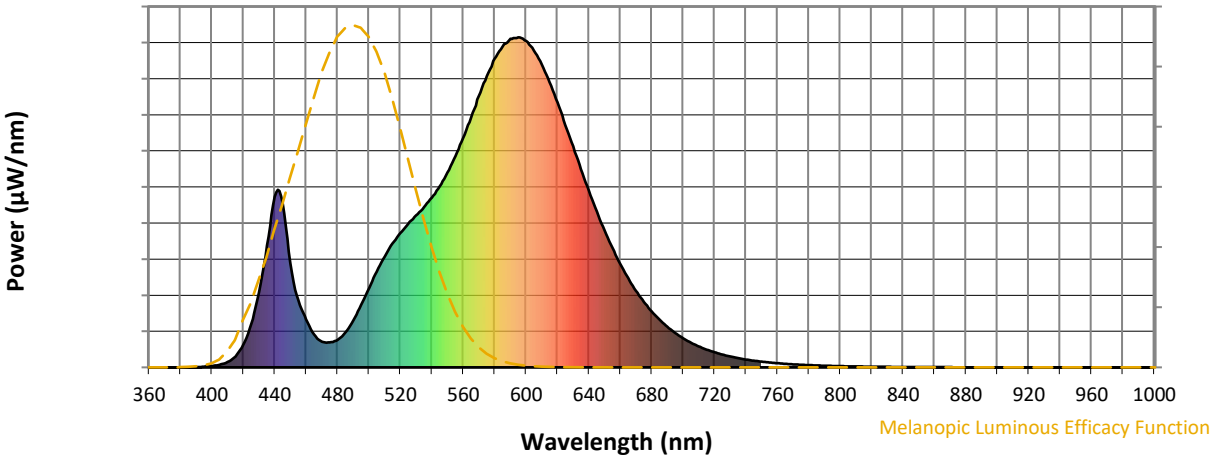


Scotopic Lumens: NR **S/P: 1.19**

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			

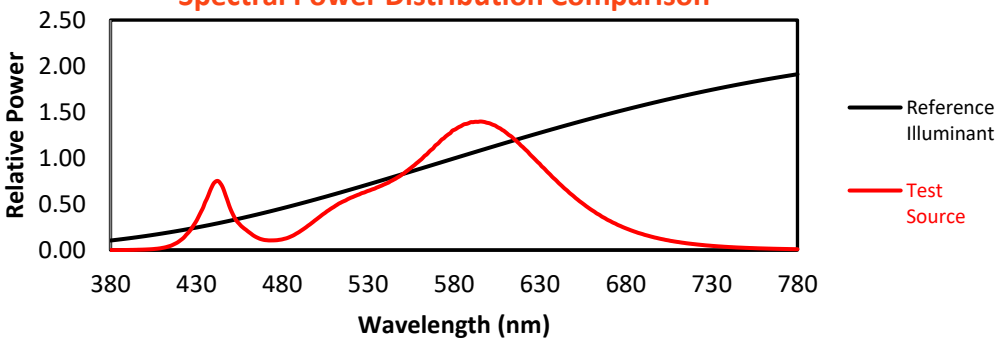
REPORT NUMBER: SP1-2407-184-4

TM-30-18

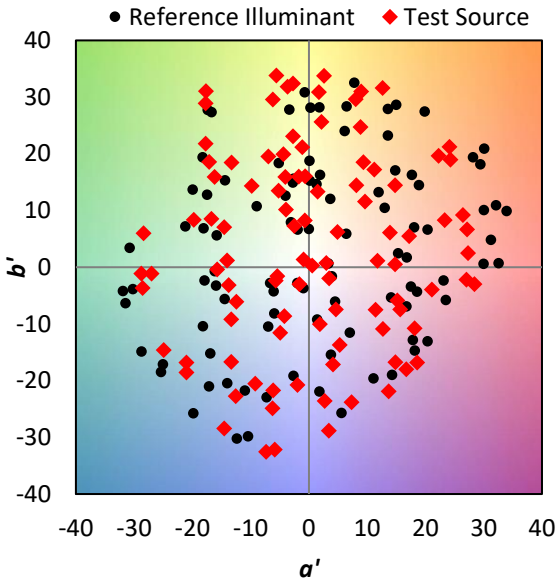
Summary

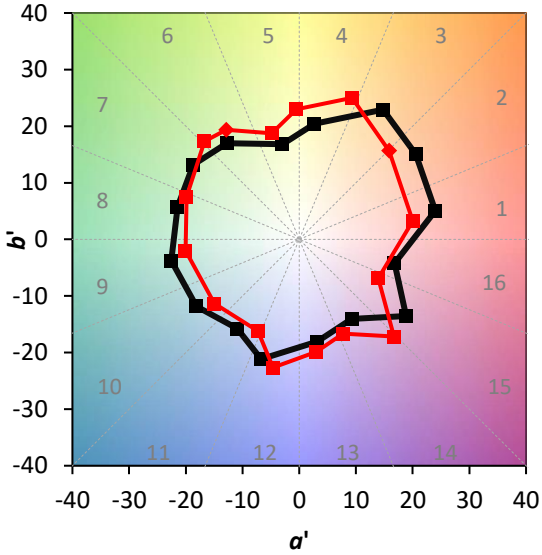
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

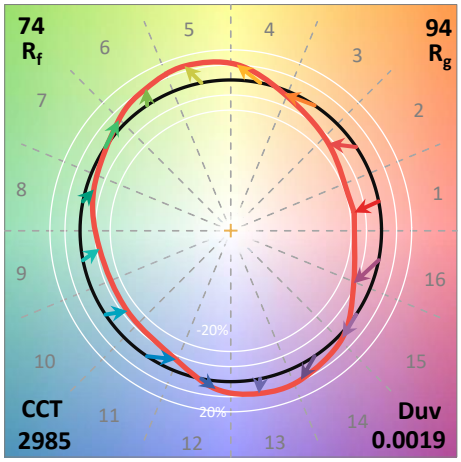
Spectral Power Distribution Comparison

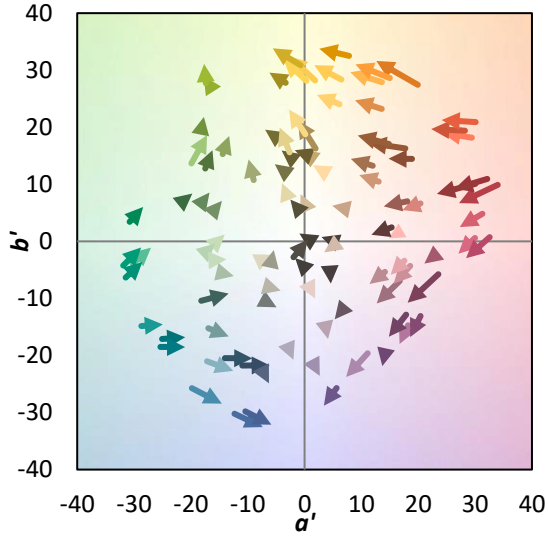


Color Vector Graphics







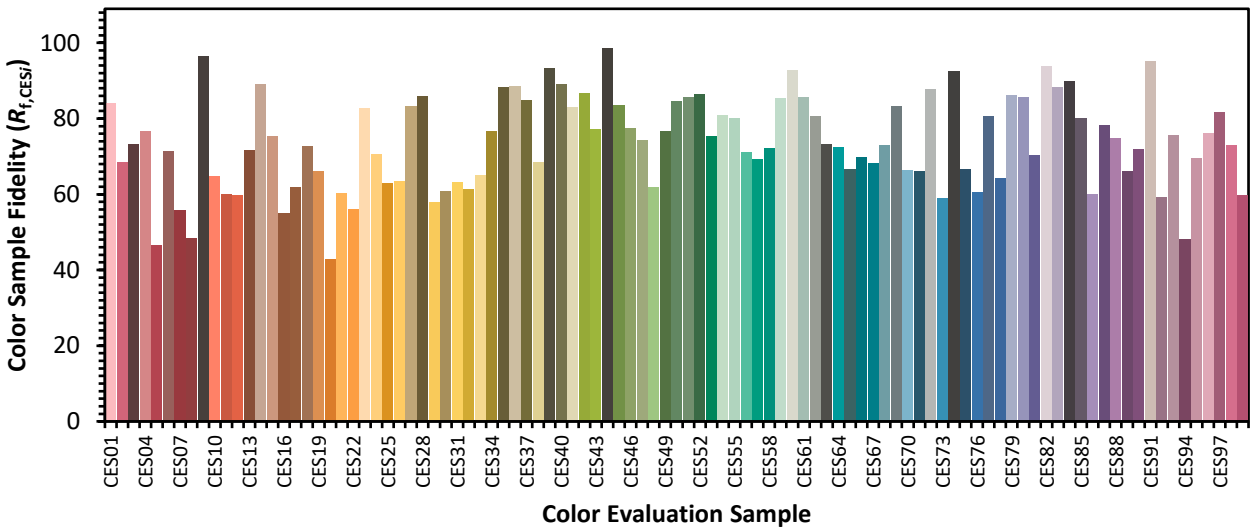


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

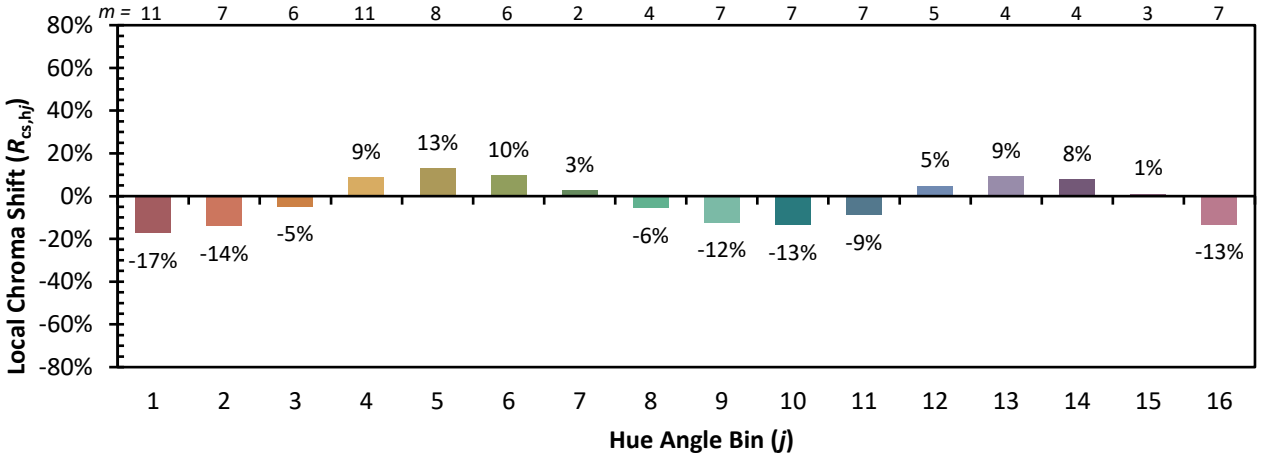
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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	

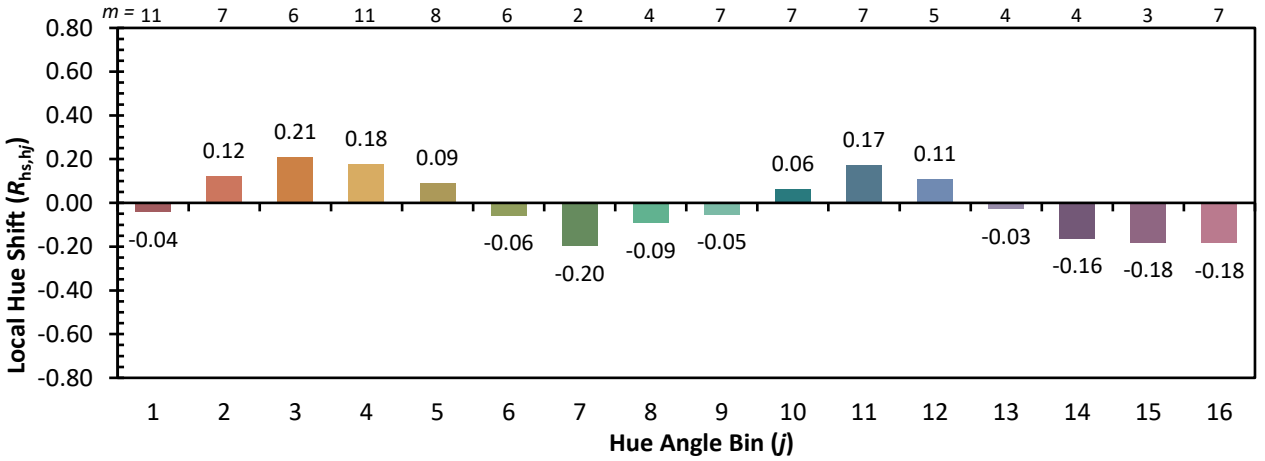


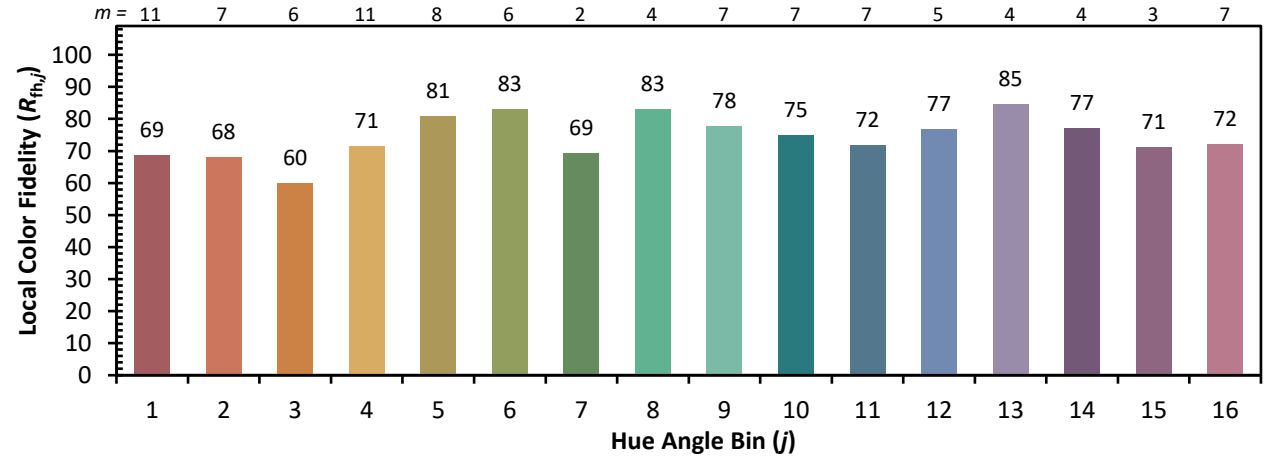
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



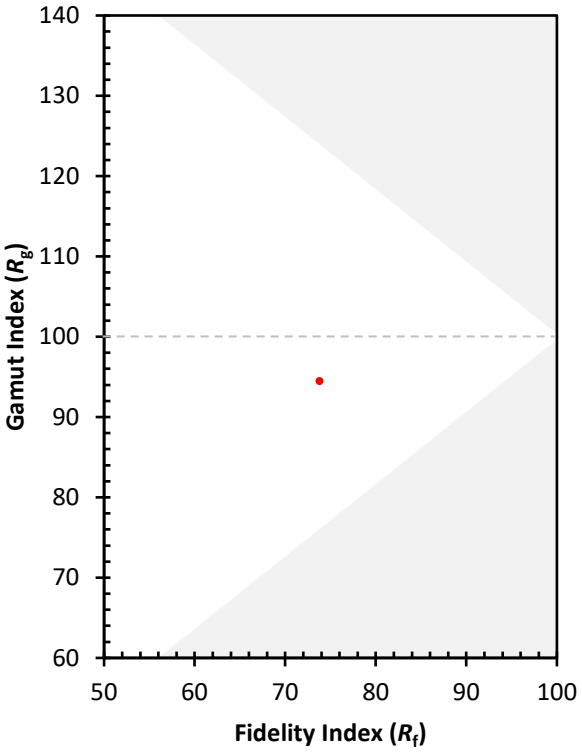


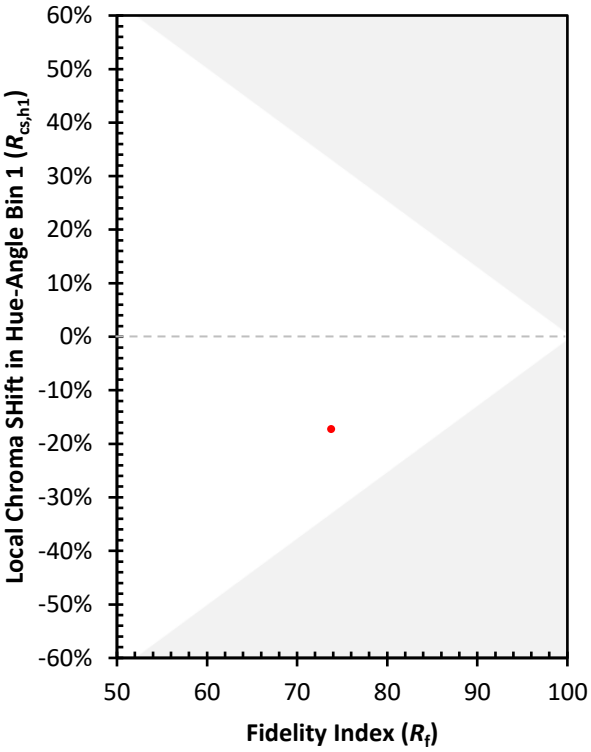


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)