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: P1366506

Luminaire Tested: **GSS-SB3D-730-U-T3R**

Issue Date: 02/18/2026

Report Generated By 670245763

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:	P1366506
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-730-U-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 70CRI 3000K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(78) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28458.6 lumens
Efficiency:	N/A
Efficacy:	129.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

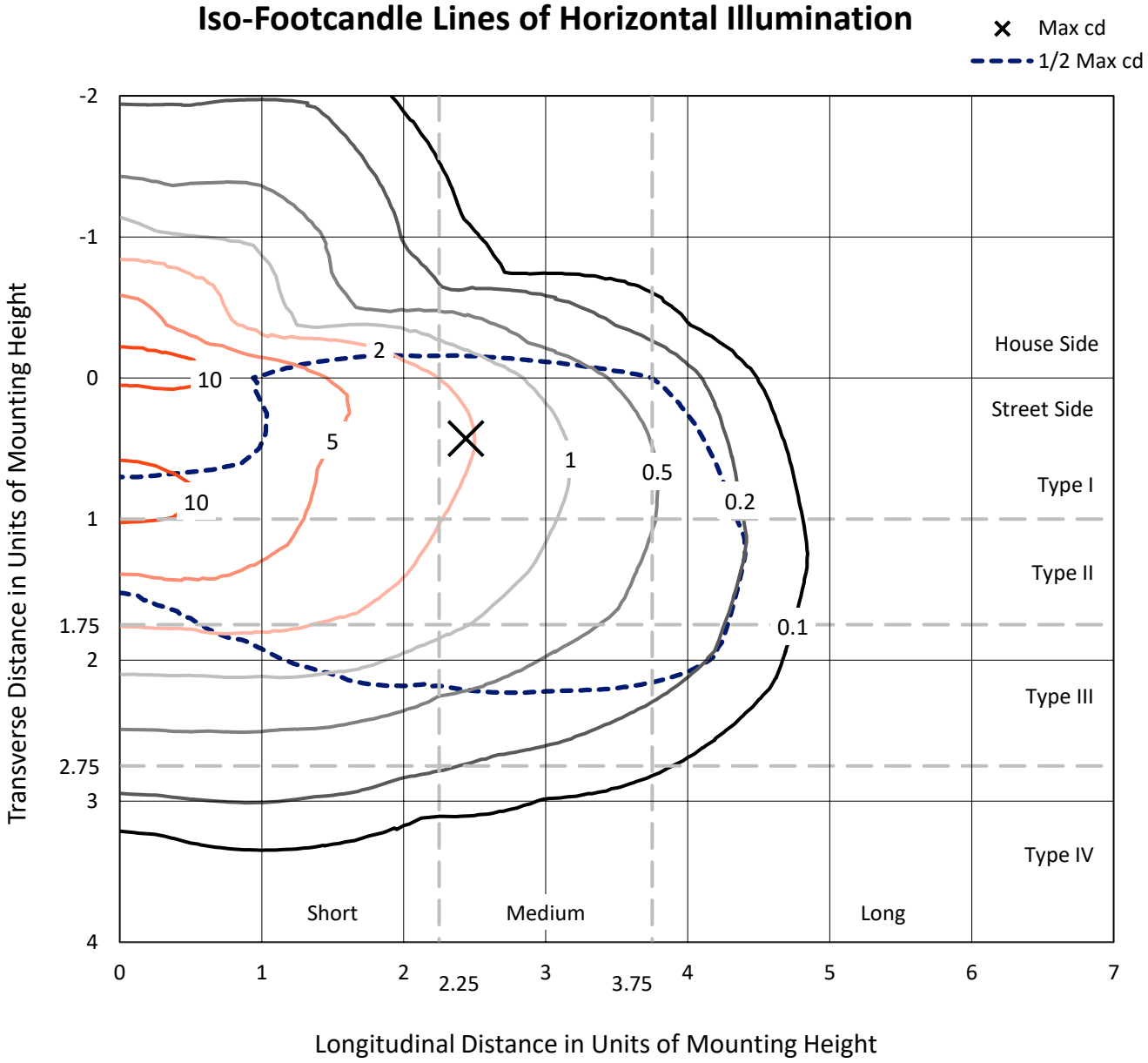
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366506
CATALOG NUMBER: GSS-SB3D-730-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



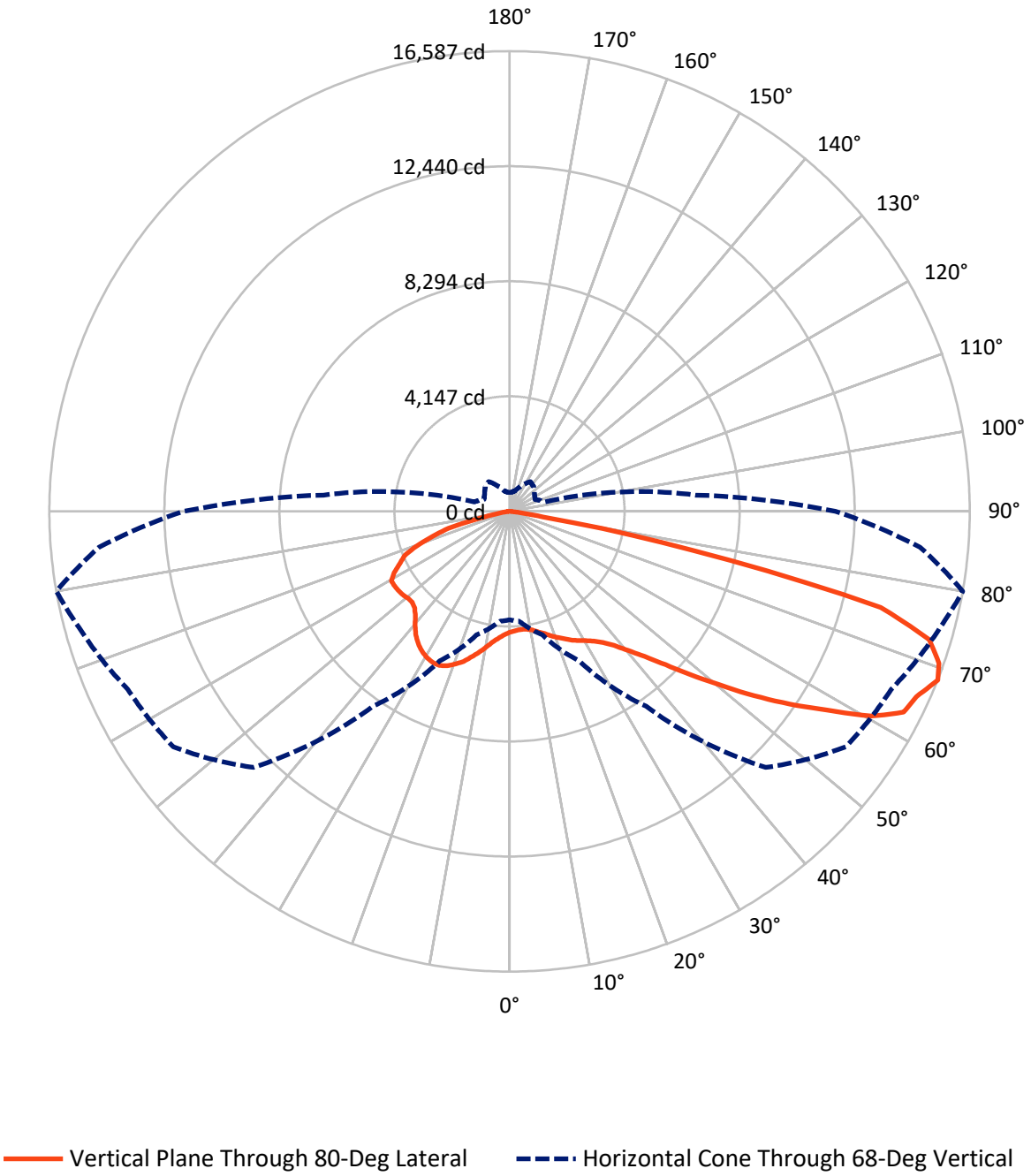
Based on 20 foot mounting height. Maximum calculated value = 12.3 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366506
CATALOG NUMBER: GSS-SB3D-730-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

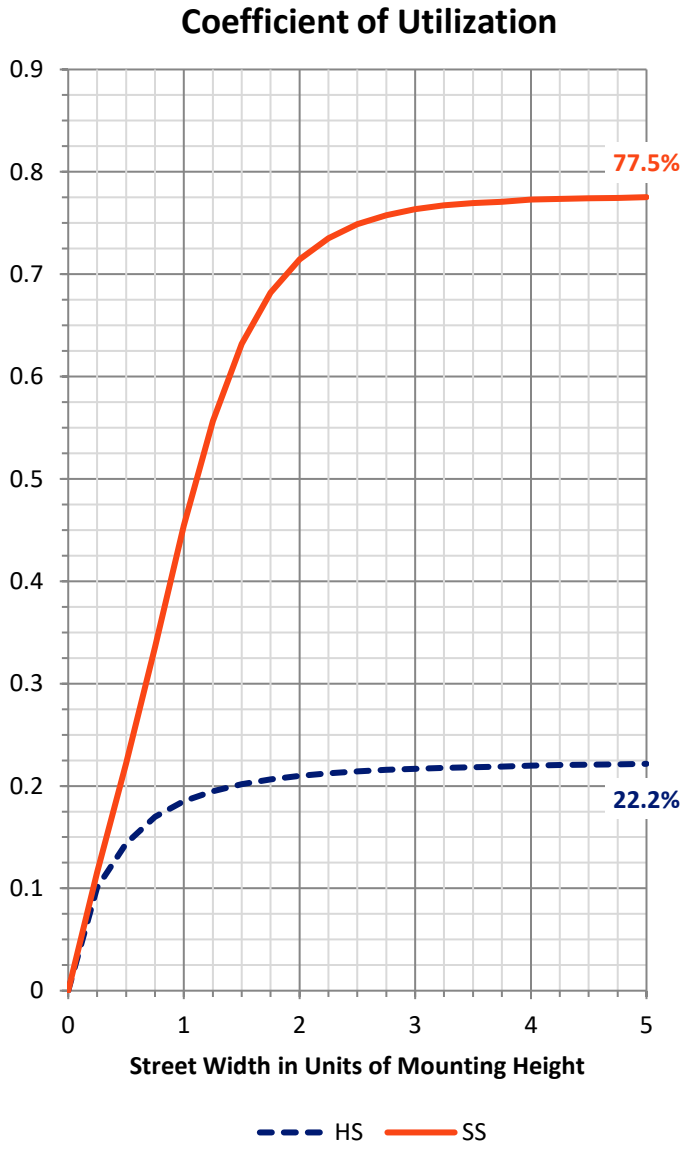
REPORT NUMBER: P1366506
CATALOG NUMBER: GSS-SB3D-730-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6359.4	0.0	6359.4
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	22099.2	0.0	22099.2
	% Fixture	77.7	0.0	77.7
Total	Lumens	28458.6	0.0	28458.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.8	1.5
10°-20°	1201.5	4.2
20°-30°	1981.1	7.0
30°-40°	3041.4	10.7
40°-50°	4696.1	16.5
50°-60°	6486.4	22.8
60°-70°	6647.9	23.4
70°-80°	3765.1	13.2
80°-90°	218.3	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°	28458.6	100.0
0°-180°	28458.6	100.0



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

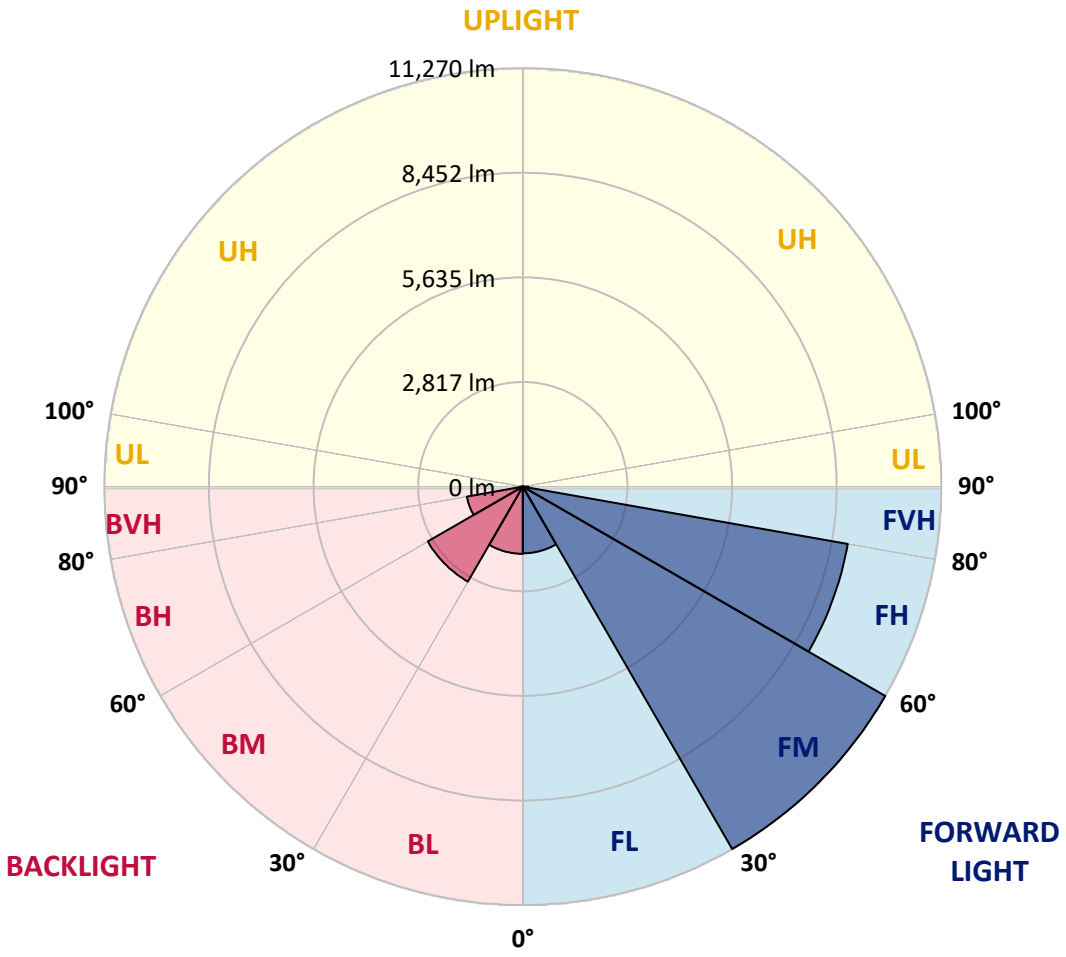
Scaled Data Report

REPORT NUMBER: P1366506
CATALOG NUMBER: GSS-SB3D-730-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1794.2	6.3			
FM	(30°-60°)	11269.8	39.6			
FH	(60°-80°)	8884.7	31.2			G4/12000
FVH	(80°-90°)	150.5	0.5			G2/225
BL	(0°-30°)	1809.1	6.4	B3/2500		
BM	(30°-60°)	2954.2	10.4	B3/5000		
BH	(60°-80°)	1528.3	5.4	B3/2500		G3/2500
BVH	(80°-90°)	67.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P1366506
CATALOG NUMBER: GSS-SB3D-730-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	*4347.6*	4347.6
2.5°	4042.2	4029.0	4022.3	4035.6	4055.5	4095.3	4141.8	4175.0	4254.6	*4301.1*	4340.9
5°	3829.8	3823.2	3823.2	3856.4	3889.6	3936.0	4002.4	4062.1	4181.6	*4274.5*	4340.9
7.5°	3577.6	3571.0	3571.0	3644.0	3710.4	3816.6	3922.8	4022.3	4168.3	*4287.8*	4394.0
10°	3312.1	3312.1	3325.4	3418.3	3531.1	3683.8	3863.0	4015.7	4201.5	*4340.9*	4486.9
12.5°	3199.3	3192.6	3199.3	3285.6	3398.4	3604.2	3809.9	4042.2	4267.9	*4447.1*	4619.7
15°	3225.8	3212.5	3199.3	3272.3	3358.6	3564.3	3809.9	4095.3	4380.7	*4553.3*	4792.3
17.5°	3365.2	3358.6	3318.7	3338.7	3398.4	3584.2	3843.1	4175.0	4493.6	*4699.3*	4958.2
20°	3637.3	3617.4	3557.7	3524.5	3531.1	3650.6	3902.8	4281.2	4599.8	*4845.4*	5137.4
22.5°	4088.7	4075.4	3975.9	3843.1	3756.8	3790.0	4009.0	4400.7	4745.8	*4978.1*	5343.2
25°	4686.1	4652.9	4500.2	4287.8	4088.7	4015.7	4141.8	4560.0	4885.2	*5137.4*	5535.7
27.5°	5323.3	5329.9	5190.5	4871.9	4526.8	4281.2	4314.4	4719.3	5044.5	*5270.2*	5701.6
30°	6066.7	6033.5	5880.8	5548.9	5044.5	4633.0	4493.6	4871.9	5190.5	*5402.9*	5900.7
32.5°	7049.0	7055.6	6783.5	6272.4	5641.9	5064.4	4725.9	5031.2	5356.5	*5575.5*	6146.3
35°	8237.1	8210.6	7885.3	7268.0	6411.8	5562.2	5024.6	5237.0	5555.6	*5801.2*	6431.7
37.5°	9299.1	9226.1	9033.6	8442.9	7380.9	6239.2	5429.5	5509.1	5867.5	*6126.4*	6856.5
40°	10248.3	10215.1	10181.9	9730.6	8489.3	7082.2	5960.5	5927.3	6252.5	*6591.0*	7380.9
42.5°	11031.5	11024.9	11038.1	10938.6	9843.4	8137.6	6703.9	6471.5	6796.8	*7141.9*	7998.2
45°	11602.3	11589.1	11728.4	11934.2	11164.3	9398.7	7580.0	7148.6	7487.1	*7878.7*	8781.4
47.5°	12213.0	12219.6	12412.1	12757.2	12451.9	10653.2	8575.6	7991.5	8296.9	*8794.7*	9717.3
50°	12451.9	12451.9	12909.9	13401.1	13487.4	11987.3	9763.7	8993.8	9305.8	*9836.8*	10659.8
52.5°	11934.2	12033.8	12836.9	13759.5	14164.4	13221.9	11018.2	10082.3	10347.8	*11031.5*	11595.7
55°	9040.3	9392.0	12279.4	13586.9	14416.6	14190.9	12266.1	11290.4	11582.4	*12259.4*	12558.1
57.5°	7805.7	7898.6	9631.0	12982.9	14098.0	14715.3	13421.0	12578.0	12843.5	*13507.3*	13560.4
60°	6863.2	6989.3	8051.3	11960.8	13467.5	14662.2	14383.4	13766.1	14137.8	*14980.8*	14575.9
62.5°	5562.2	5695.0	6591.0	9558.0	12637.8	14290.5	15133.5	14887.9	15239.7	*15943.2*	14994.1
65°	4898.5	4944.9	5588.8	7327.8	11111.2	13971.9	15518.4	15365.8	15518.4	*16109.2*	14781.7
67.5°	4082.1	4175.0	4798.9	6219.3	8973.9	13294.9	14947.6	15166.7	15923.3	*16507.4*	14941.0
68°	*3909.5*	*3975.9*	*4613.1*	*5947.2*	*8575.6*	*13049.3*	*14795.0*	*15179.9*	*16082.6*	*16587.1*	*14854.7*
70°	3192.6	3285.6	3849.7	4984.8	7188.4	10447.4	14197.6	15438.8	16195.5	*16421.1*	14383.4
72.5°	1579.7	1745.7	2655.0	3517.9	5190.5	7553.5	12445.3	15106.9	15963.2	*15823.8*	13387.8
75°	557.5	597.4	1241.2	1905.0	2515.6	4891.8	8801.3	13772.8	14635.7	*13819.2*	11224.0
77.5°	398.2	431.4	703.6	962.4	1035.4	2455.9	5641.9	9106.6	8655.3	*6703.9*	5110.9
80°	312.0	338.5	524.4	537.6	517.7	862.9	1924.9	2761.2	1944.8	*1221.3*	882.8
82.5°	192.5	232.3	391.6	325.2	238.9	272.1	451.3	743.4	531.0	*338.5*	272.1
85°	73.0	92.9	179.2	126.1	79.6	106.2	152.7	199.1	152.7	*112.8*	99.6
87.5°	6.6	6.6	13.3	13.3	19.9	26.5	39.8	53.1	59.7	*59.7*	59.7
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: P1366506
CATALOG NUMBER: GSS-SB3D-730-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6	4347.6
2.5°	4367.5	4387.4	4473.7	4520.1	4606.4	4672.8	4712.6	4732.5	4752.4	4765.7	4759.1
5°	4413.9	4473.7	4639.6	4765.7	4865.3	4931.7	4964.8	4991.4	4998.0	5011.3	5004.7
7.5°	4500.2	4593.1	4845.4	4991.4	5077.7	5104.2	5077.7	5064.4	5044.5	5024.6	5024.6
10°	4639.6	4785.6	5084.3	5190.5	5197.2	5157.3	5071.0	4971.5	4898.5	4871.9	4858.6
12.5°	4818.8	5024.6	5329.9	5356.5	5270.2	5084.3	4838.7	4633.0	4500.2	4400.7	4394.0
15°	5037.9	5276.8	5542.3	5462.7	5217.1	4825.5	4420.6	4128.5	3975.9	3889.6	3849.7
17.5°	5263.5	5568.9	5734.8	5515.8	4998.0	4360.8	3876.3	3644.0	3504.6	3458.1	3424.9
20°	5515.8	5807.8	5867.5	5436.1	4599.8	3843.1	3405.0	3259.0	3259.0	3245.7	3232.5
22.5°	5774.6	6053.4	5940.6	5217.1	4075.4	3332.0	3066.5	3119.6	3212.5	3239.1	3239.1
25°	6013.6	6265.8	5940.6	4825.5	3451.5	2913.9	2933.8	3059.9	3179.4	3245.7	3245.7
27.5°	6245.9	6398.5	5821.1	4274.5	2887.3	2701.5	2820.9	2973.6	3166.1	3265.6	3272.3
30°	6478.2	6498.1	5608.7	3571.0	2482.4	2548.8	2688.2	2887.3	3099.7	3225.8	3239.1
32.5°	6723.8	6591.0	5310.0	2874.0	2296.6	2402.8	2568.7	2728.0	2893.9	2986.9	2993.5
35°	7002.5	6677.3	4925.0	2336.4	2177.1	2303.2	2429.3	2482.4	2528.9	2582.0	2615.2
37.5°	7307.9	6790.1	4420.6	2064.3	2064.3	2210.3	2283.3	2177.1	2163.8	2157.2	2137.3
40°	7646.4	6909.6	3790.0	1924.9	1978.0	2110.7	2051.0	1924.9	1831.9	1732.4	1739.0
42.5°	8071.2	7062.3	3073.2	1858.5	1918.2	2031.1	1865.1	1712.5	1460.2	1393.9	1407.1
45°	8555.7	7254.8	2502.3	1798.8	1871.8	1958.1	1739.0	1447.0	1287.7	1354.0	1400.5
47.5°	9066.8	7507.0	2090.8	1752.3	1851.9	1871.8	1659.4	1327.5	1221.3	1367.3	1427.1
50°	9670.8	7739.3	1898.3	1705.8	1845.2	1845.2	1520.0	1307.6	1168.2	1294.3	1354.0
52.5°	10281.5	7965.0	1798.8	1652.7	1825.3	1838.6	1486.8	1281.0	1095.2	1135.0	1161.6
55°	10878.8	8091.1	1745.7	1579.7	1805.4	1805.4	1500.1	1234.6	1022.2	1022.2	1035.4
57.5°	11482.9	8177.4	1699.2	1493.4	1739.0	1705.8	1500.1	1201.4	995.6	969.1	982.3
60°	12153.2	8230.5	1652.7	1393.9	1646.1	1586.4	1493.4	1174.8	962.4	922.6	929.2
62.5°	12259.4	7858.8	1566.4	1287.7	1520.0	1486.8	1466.9	1141.6	909.3	829.7	829.7
65°	11881.1	7301.2	1460.2	1154.9	1354.0	1387.2	1413.8	1101.8	856.2	763.3	769.9
67.5°	11841.3	6883.1	1347.4	1035.4	1135.0	1261.1	1347.4	1035.4	776.6	696.9	690.3
68°	*11748.4*	*6730.4*	*1314.2*	*1008.9*	*1095.2*	*1234.6*	*1307.6*	*1008.9*	*763.3*	*683.7*	*683.7*
70°	11151.0	6066.7	1115.1	889.4	969.1	1008.9	1148.3	896.1	683.7	617.3	623.9
72.5°	9989.4	4944.9	856.2	723.5	776.6	776.6	995.6	829.7	623.9	564.2	564.2
75°	8330.0	3909.5	650.5	570.8	544.3	630.6	809.8	750.0	550.9	504.4	484.5
77.5°	3783.4	1685.9	424.8	398.2	404.9	491.2	643.8	643.8	524.4	411.5	365.1
80°	836.3	524.4	258.9	238.9	238.9	312.0	451.3	464.6	378.3	285.4	245.6
82.5°	278.8	212.4	159.3	146.0	139.4	165.9	278.8	305.3	225.7	165.9	165.9
85°	106.2	99.6	86.3	79.6	66.4	66.4	86.3	139.4	119.5	79.6	79.6
87.5°	53.1	53.1	46.5	33.2	26.5	19.9	13.3	13.3	13.3	19.9	13.3
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

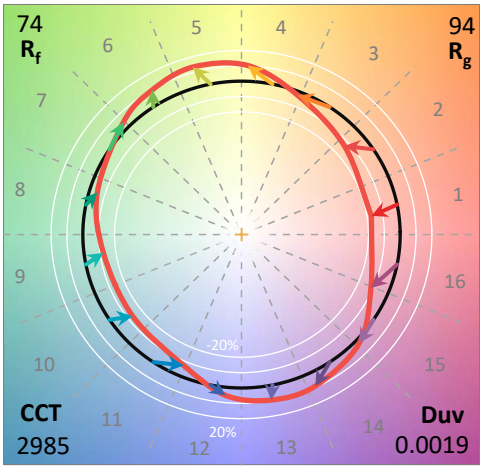
Test Information

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

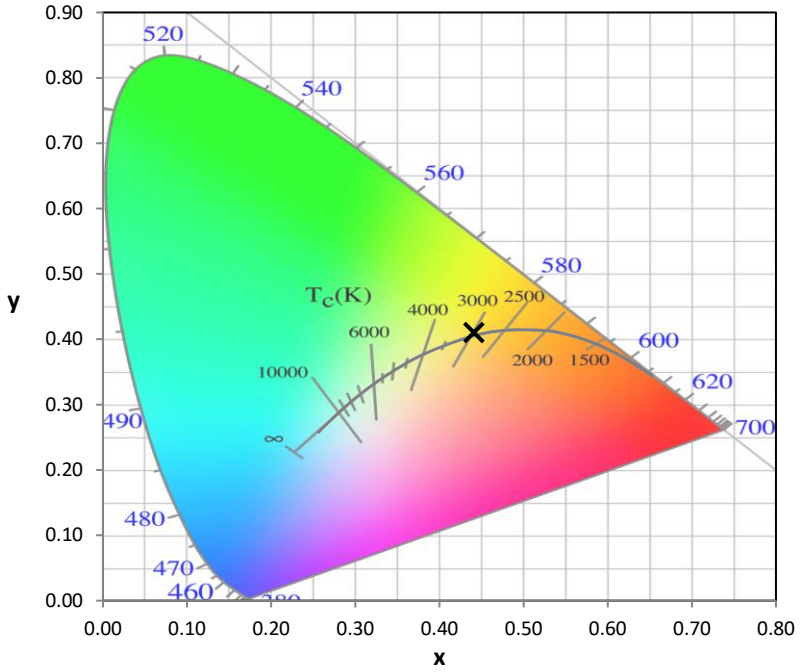
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

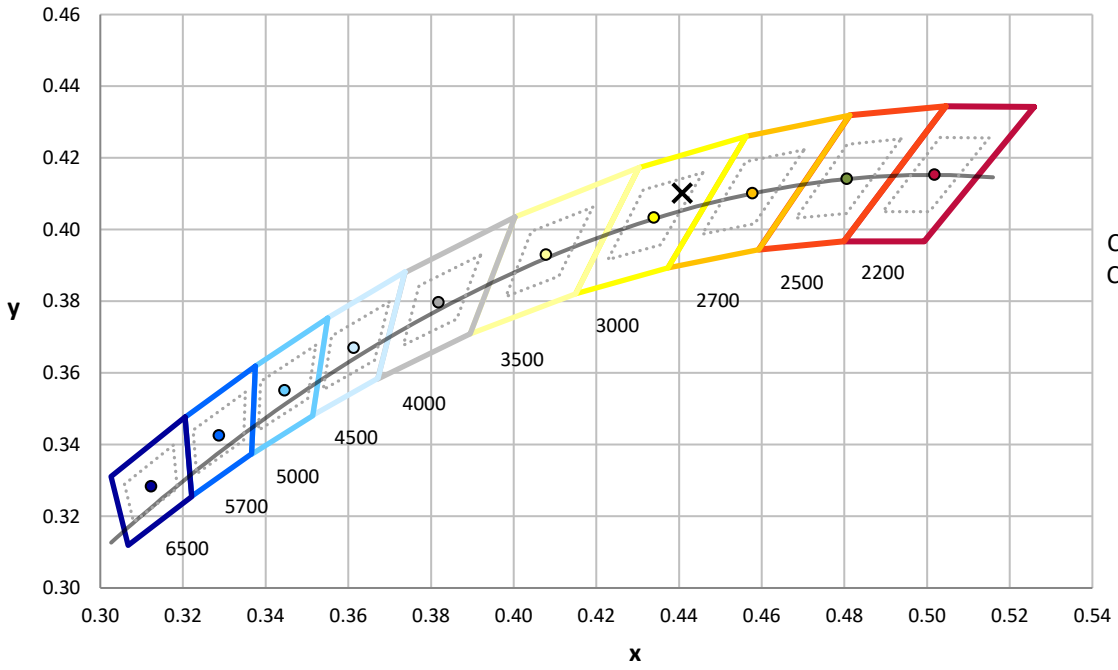
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

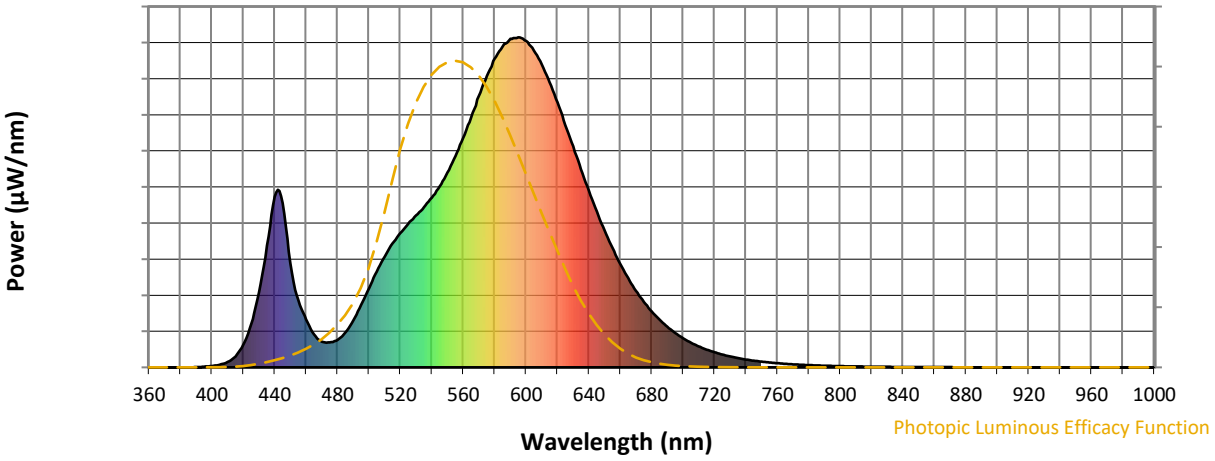


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

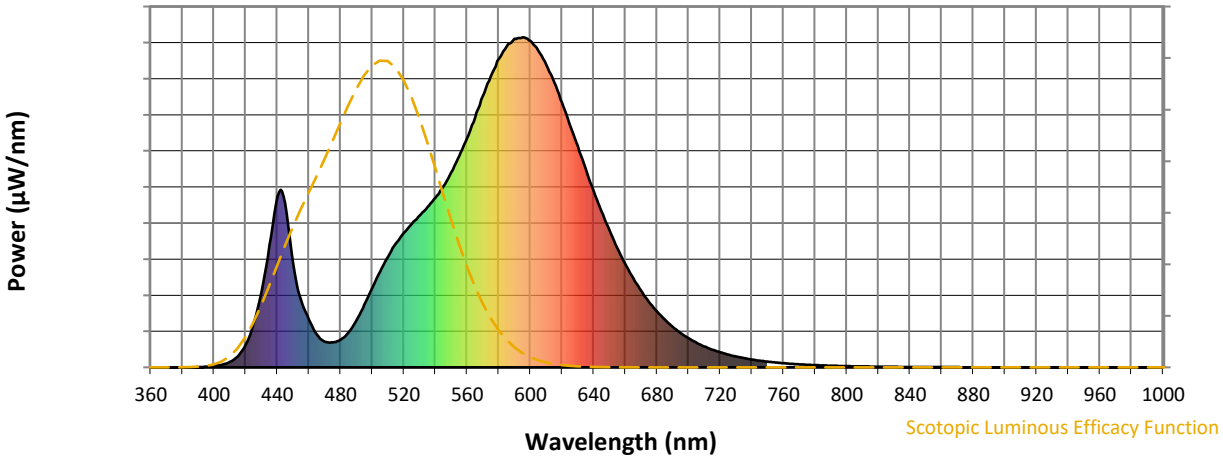


Photopic Lumens: NR

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

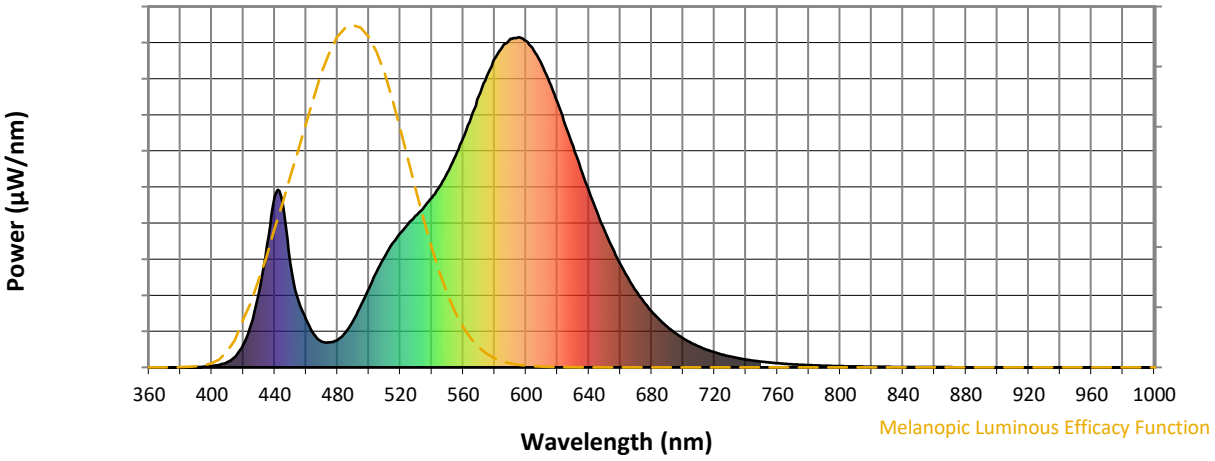


Scotopic Lumens: NR **S/P: 1.19**

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			

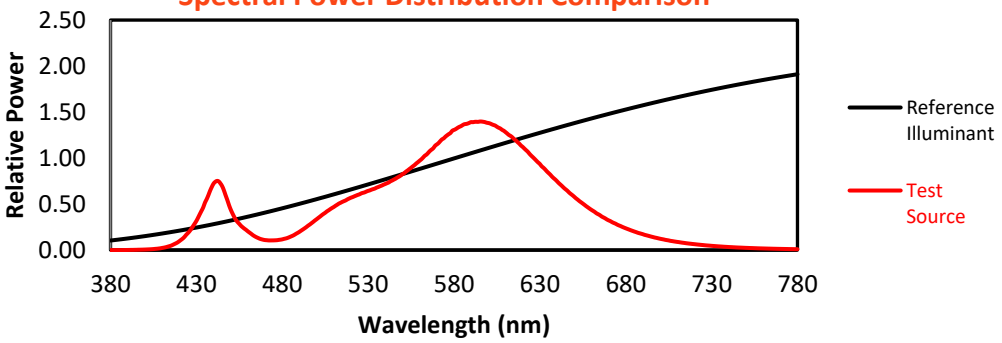
REPORT NUMBER: SP1-2407-184-4

TM-30-18

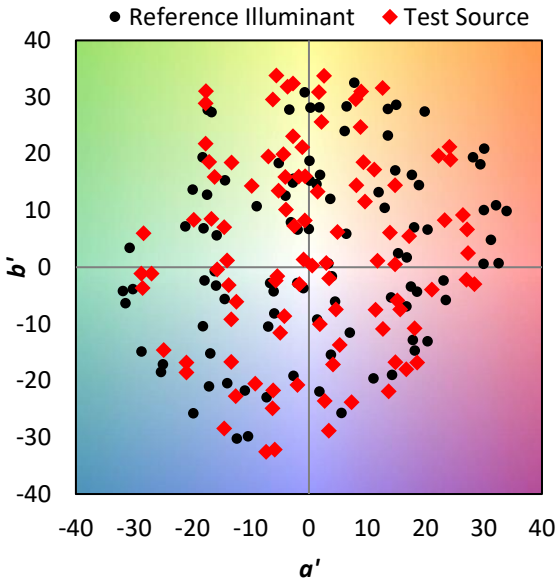
Summary

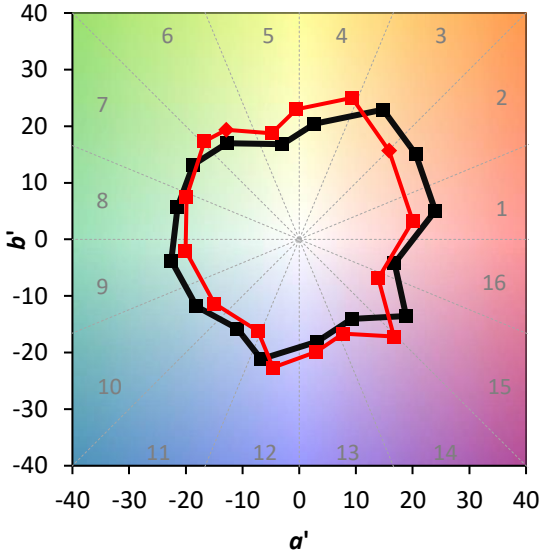
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

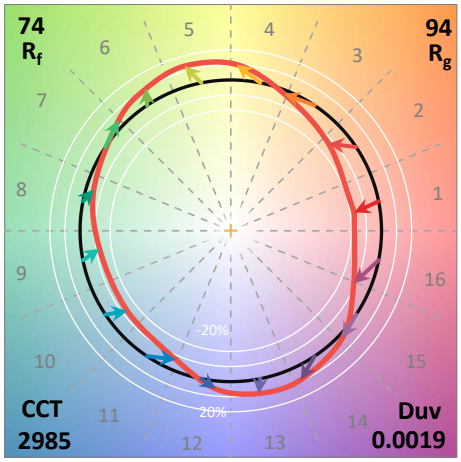
Spectral Power Distribution Comparison

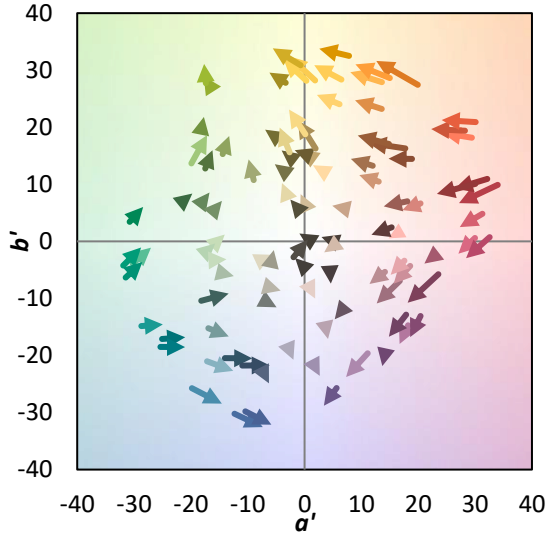


Color Vector Graphics







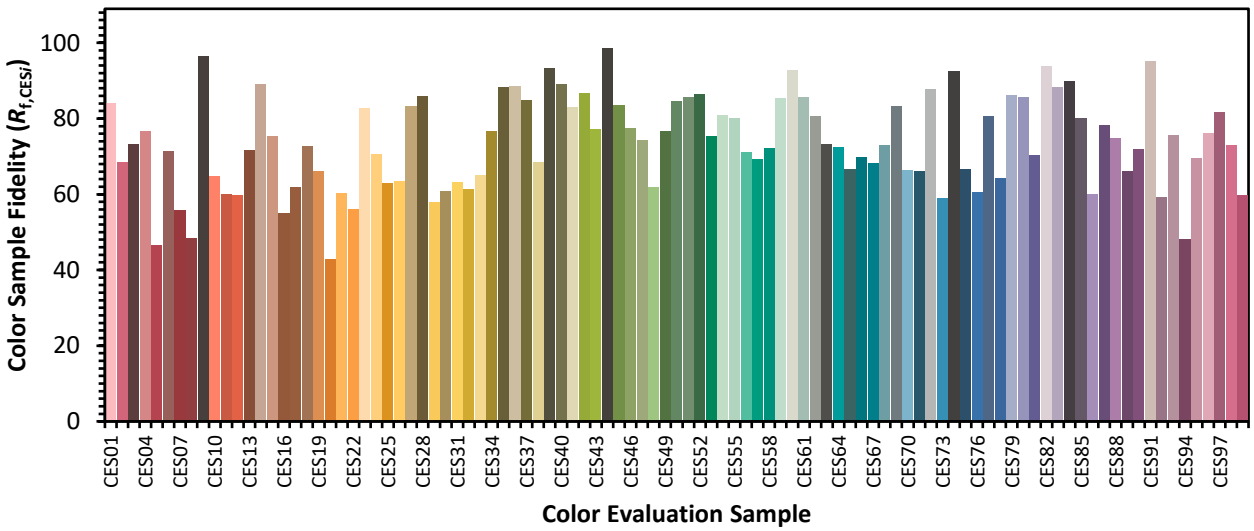


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

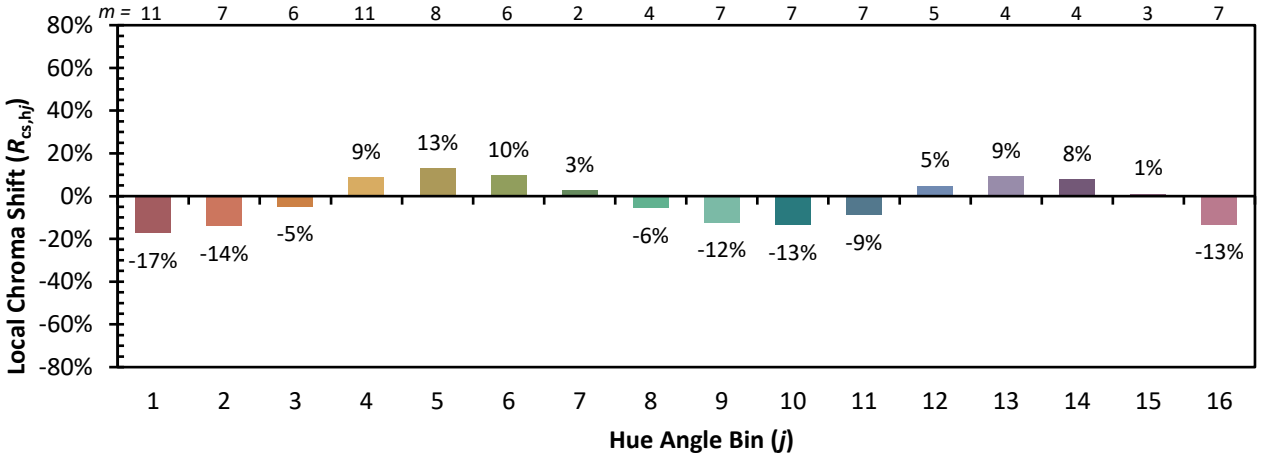
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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

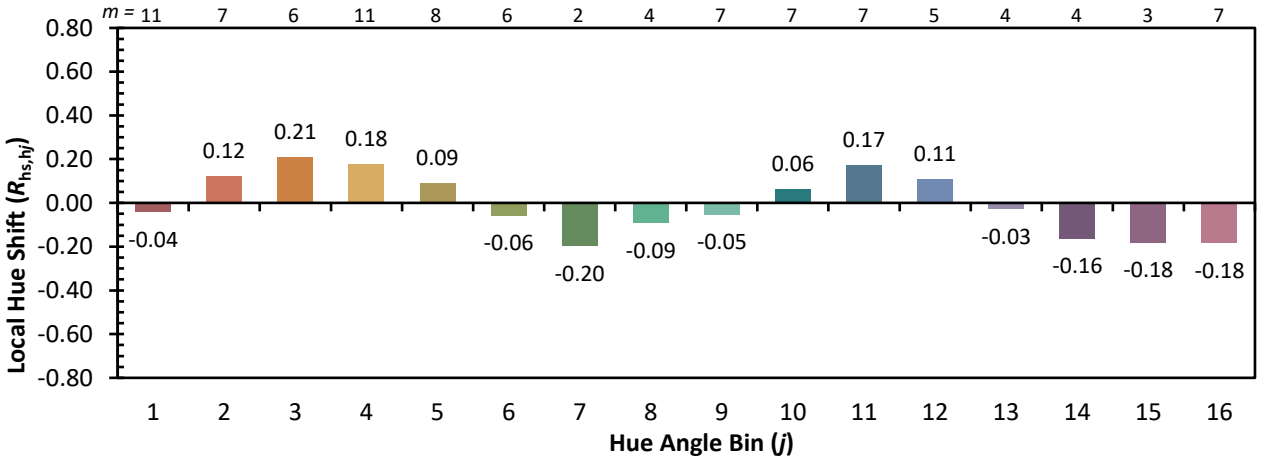


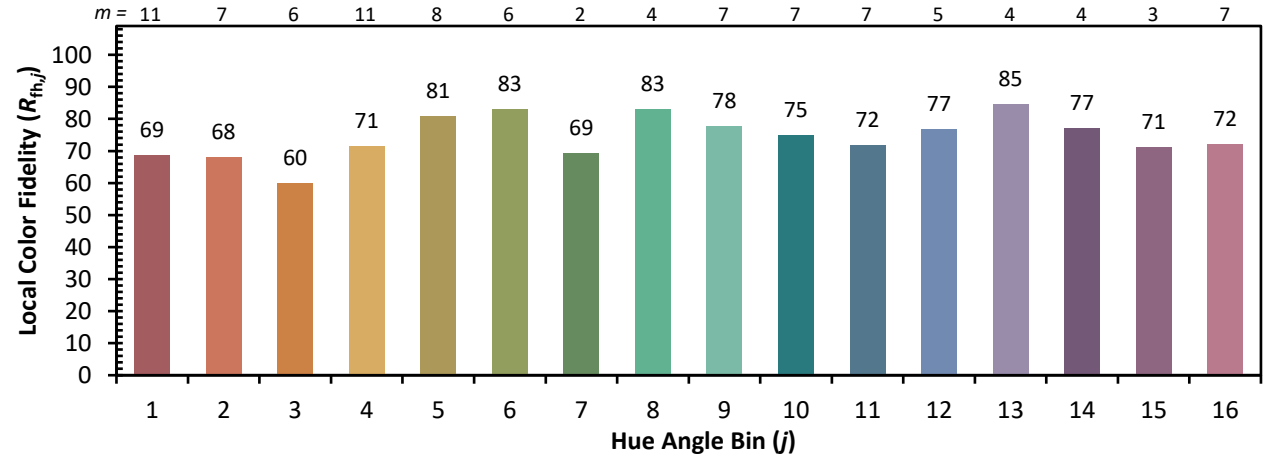
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



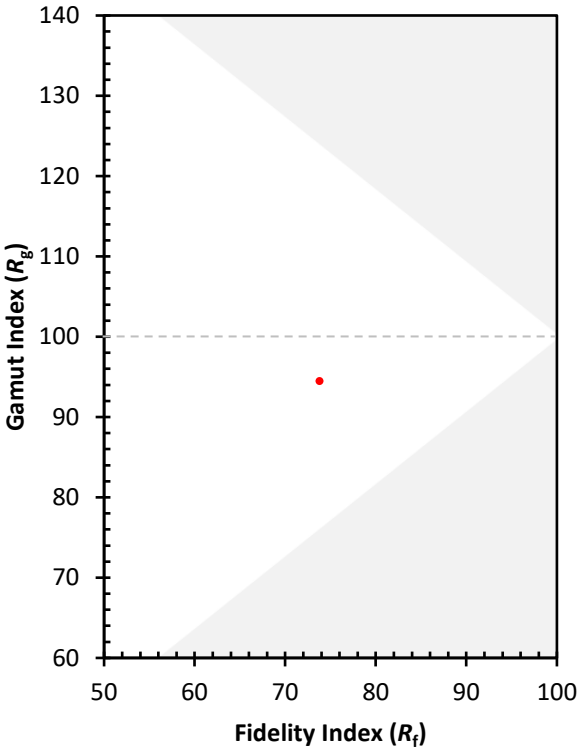


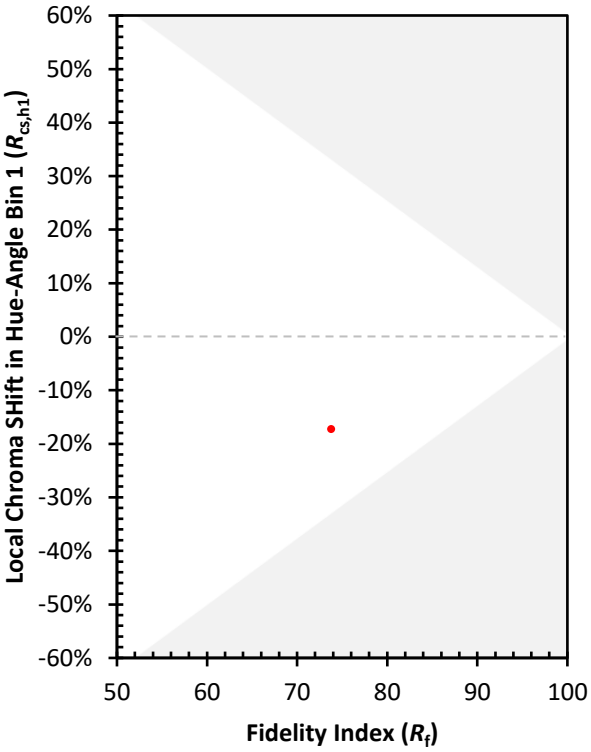


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)