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: P1366488

Luminaire Tested: **GSS-SB5B-727-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:	P1366488
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-727-U-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 2700K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(130) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25307.2 lumens
Efficiency:	N/A
Efficacy:	137.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

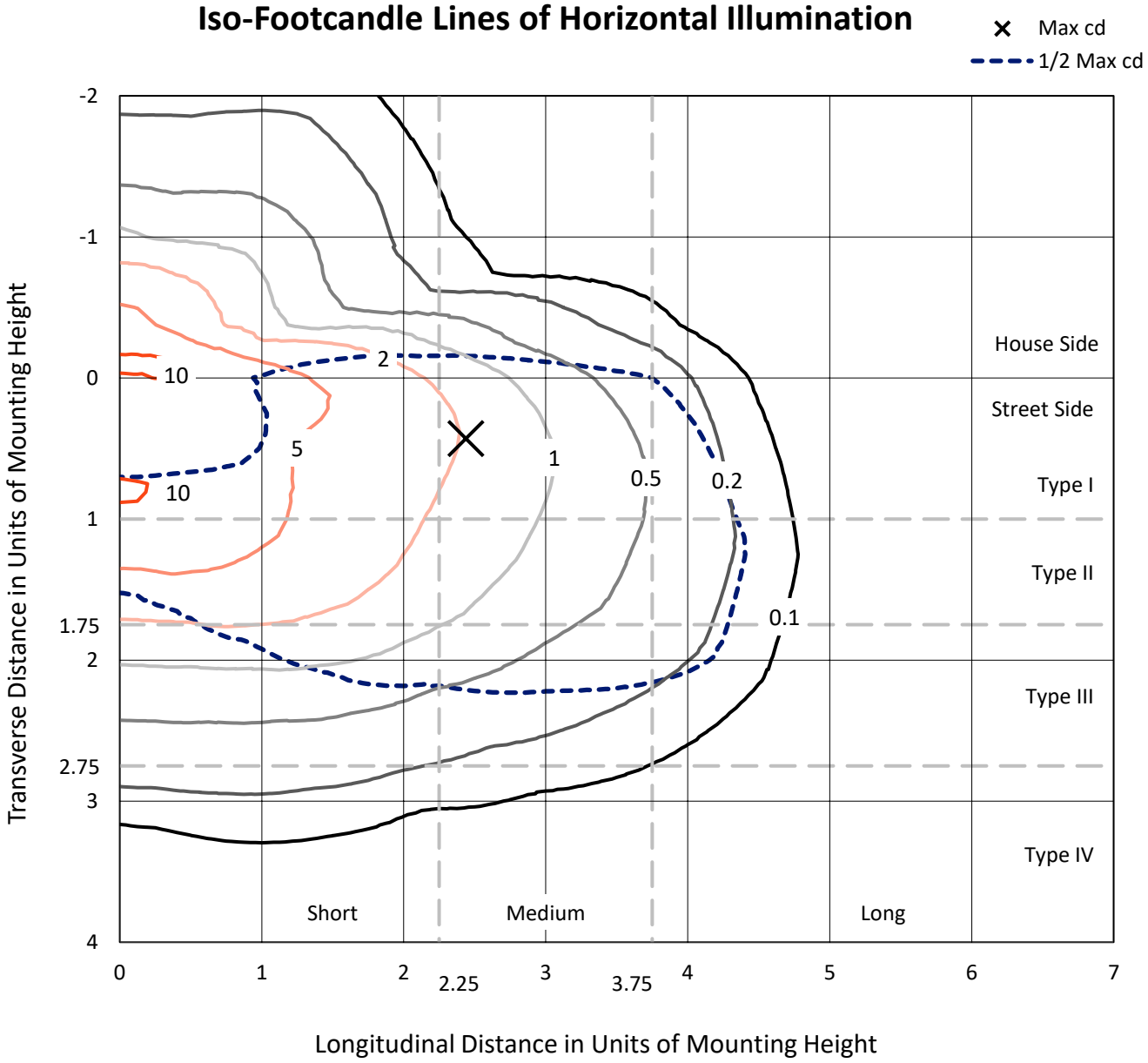
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366488
CATALOG NUMBER: GSS-SB5B-727-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



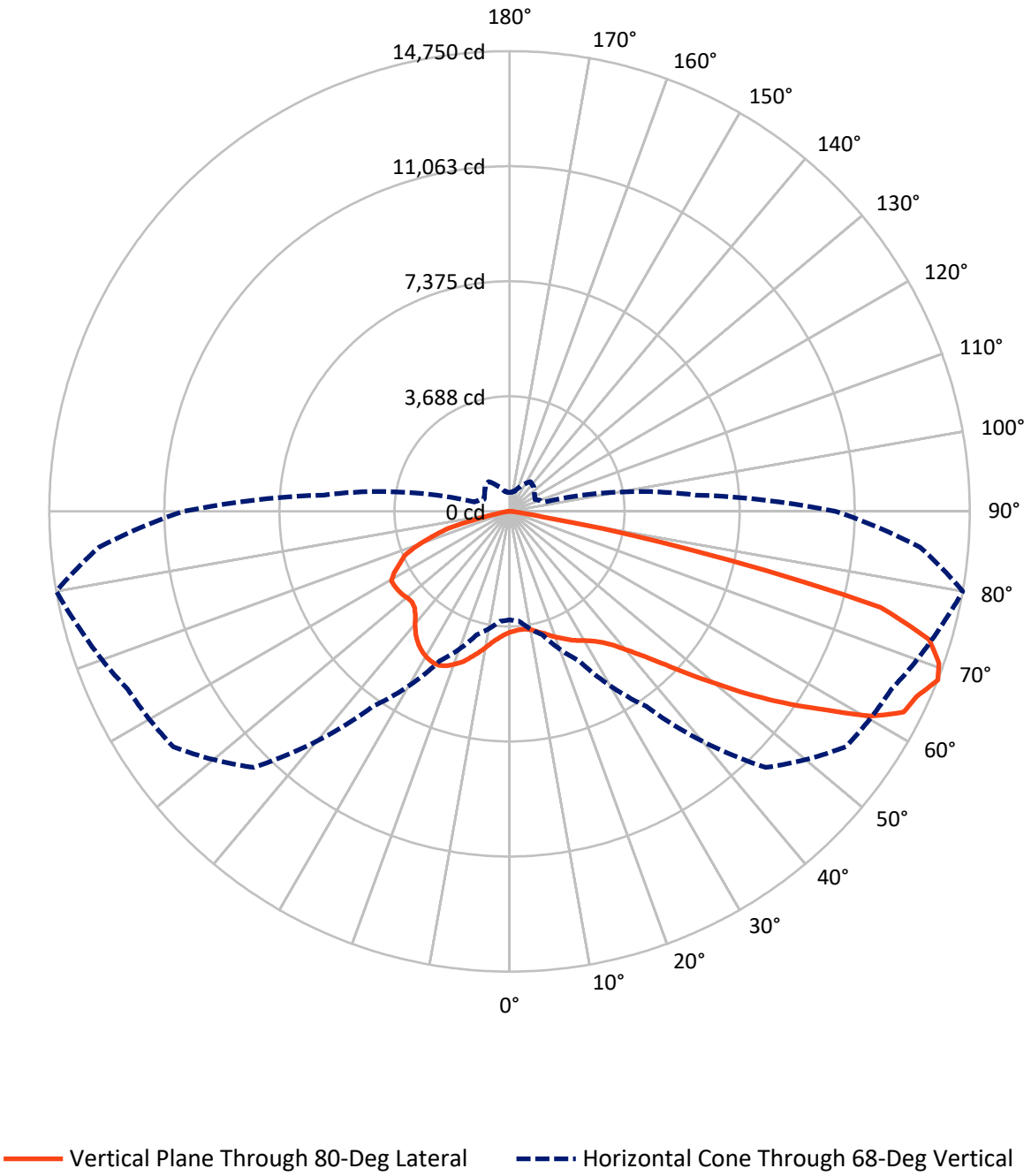
Based on 20 foot mounting height. Maximum calculated value = 10.9 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366488
CATALOG NUMBER: GSS-SB5B-727-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

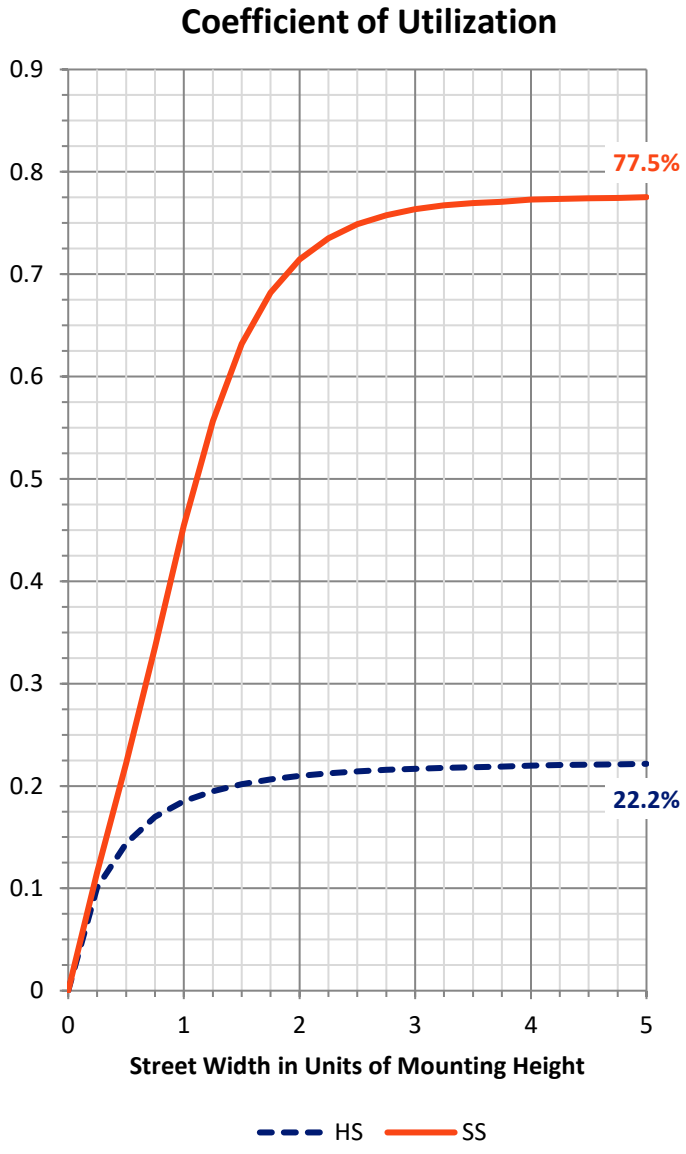
REPORT NUMBER: P1366488
CATALOG NUMBER: GSS-SB5B-727-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5655.2	0.0	5655.2
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	19652.0	0.0	19652.0
	% Fixture	77.7	0.0	77.7
Total	Lumens	25307.2	0.0	25307.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.2	1.5
10°-20°	1068.4	4.2
20°-30°	1761.7	7.0
30°-40°	2704.6	10.7
40°-50°	4176.1	16.5
50°-60°	5768.2	22.8
60°-70°	5911.8	23.4
70°-80°	3348.2	13.2
80°-90°	194.1	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°	25307.2	100.0
0°-180°	25307.2	100.0



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

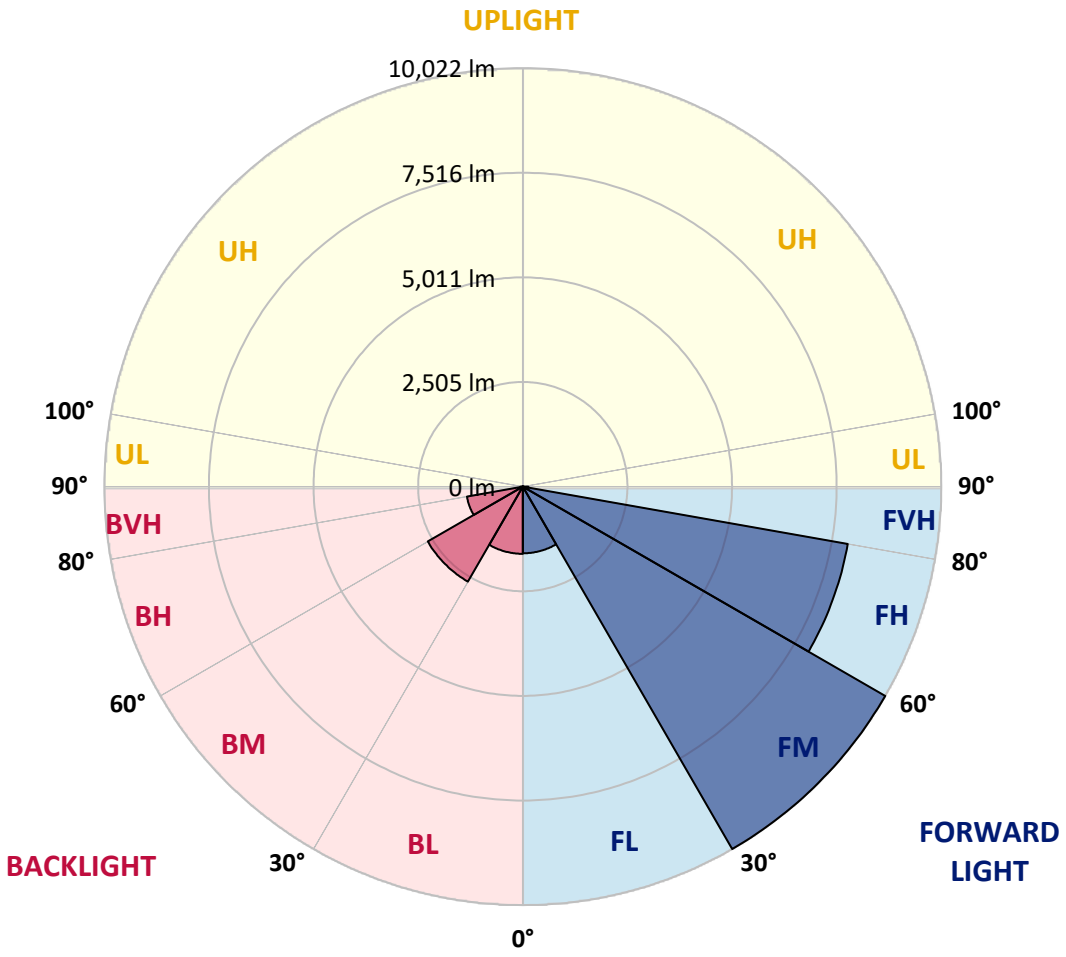
Scaled Data Report

REPORT NUMBER: P1366488
CATALOG NUMBER: GSS-SB5B-727-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1595.5	6.3			
FM	(30°-60°)	10021.8	39.6			
FH	(60°-80°)	7900.9	31.2			G4/12000
FVH	(80°-90°)	133.8	0.5			G2/225
BL	(0°-30°)	1608.8	6.4	B3/2500		
BM	(30°-60°)	2627.0	10.4	B3/5000		
BH	(60°-80°)	1359.1	5.4	B3/2500		G3/2500
BVH	(80°-90°)	60.3	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: P1366488
CATALOG NUMBER: GSS-SB5B-727-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	*3866.1*	3866.1
2.5°	3594.6	3582.8	3576.9	3588.7	3606.4	3641.8	3683.1	3712.7	3783.5	*3824.8*	3860.2
5°	3405.7	3399.8	3399.8	3429.3	3458.8	3500.2	3559.2	3612.3	3718.6	*3801.2*	3860.2
7.5°	3181.4	3175.5	3175.5	3240.5	3299.5	3393.9	3488.4	3576.9	3706.8	*3813.0*	3907.4
10°	2945.3	2945.3	2957.1	3039.8	3140.1	3275.9	3435.2	3571.0	3736.3	*3860.2*	3990.1
12.5°	2845.0	2839.1	2845.0	2921.7	3022.1	3205.0	3388.0	3594.6	3795.3	*3954.7*	4108.1
15°	2868.6	2856.8	2845.0	2909.9	2986.7	3169.6	3388.0	3641.8	3895.6	*4049.1*	4261.6
17.5°	2992.6	2986.7	2951.2	2968.9	3022.1	3187.3	3417.5	3712.7	3996.0	*4179.0*	4409.1
20°	3234.6	3216.8	3163.7	3134.2	3140.1	3246.4	3470.7	3807.1	4090.4	*4308.8*	4568.5
22.5°	3635.9	3624.1	3535.6	3417.5	3340.8	3370.3	3565.1	3913.3	4220.3	*4426.9*	4751.5
25°	4167.1	4137.6	4001.9	3813.0	3635.9	3571.0	3683.1	4055.0	4344.2	*4568.5*	4922.7
27.5°	4733.8	4739.7	4615.7	4332.4	4025.5	3807.1	3836.6	4196.7	4485.9	*4686.6*	5070.2
30°	5394.9	5365.3	5229.6	4934.5	4485.9	4119.9	3996.0	4332.4	4615.7	*4804.6*	5247.3
32.5°	6268.4	6274.3	6032.3	5577.8	5017.1	4503.6	4202.6	4474.1	4763.3	*4958.1*	5465.7
35°	7325.0	7301.4	7012.1	6463.2	5701.8	4946.3	4468.2	4657.1	4940.4	*5158.8*	5719.5
37.5°	8269.4	8204.4	8033.3	7507.9	6563.5	5548.3	4828.2	4899.1	5217.8	*5448.0*	6097.3
40°	9113.4	9083.9	9054.4	8653.0	7549.3	6297.9	5300.4	5270.9	5560.1	*5861.2*	6563.5
42.5°	9809.9	9804.0	9815.8	9727.3	8753.4	7236.4	5961.5	5754.9	6044.1	*6351.1*	7112.5
45°	10317.5	10305.7	10429.7	10612.6	9928.0	8357.9	6740.6	6357.0	6658.0	*7006.2*	7809.0
47.5°	10860.5	10866.5	11037.6	11344.6	11073.0	9473.5	7626.0	7106.6	7378.1	*7820.8*	8641.2
50°	11073.0	11073.0	11480.3	11917.1	11993.8	10659.9	8682.5	7997.8	8275.3	*8747.5*	9479.4
52.5°	10612.6	10701.2	11415.4	12235.8	12595.9	11757.7	9798.1	8965.9	9202.0	*9809.9*	10311.6
55°	8039.2	8352.0	10919.6	12082.4	12820.2	12619.5	10907.8	10040.1	10299.8	*10901.9*	11167.5
57.5°	6941.3	7023.9	8564.5	11545.2	12536.9	13085.8	11934.8	11185.2	11421.3	*12011.5*	12058.8
60°	6103.2	6215.3	7159.7	10636.3	11976.1	13038.6	12790.7	12241.7	12572.3	*13321.9*	12961.8
62.5°	4946.3	5064.3	5861.2	8499.6	11238.3	12708.0	13457.6	13239.2	13552.1	*14177.7*	13333.7
65°	4356.0	4397.3	4969.9	6516.3	9880.7	12424.7	13800.0	13664.2	13800.0	*14325.3*	13144.8
67.5°	3630.0	3712.7	4267.5	5530.6	7980.1	11822.7	13292.4	13487.1	14160.0	*14679.4*	13286.5
68°	*3476.6*	*3535.6*	*4102.2*	*5288.6*	*7626.0*	*11604.3*	*13156.6*	*13499.0*	*14301.7*	*14750.3*	*13209.7*
70°	2839.1	2921.7	3423.4	4432.8	6392.4	9290.5	12625.4	13729.2	14402.0	*14602.7*	12790.7
72.5°	1404.8	1552.4	2361.0	3128.3	4615.7	6717.0	11067.1	13434.0	14195.4	*14071.5*	11905.3
75°	495.8	531.2	1103.8	1694.0	2237.0	4350.1	7826.7	12247.6	13015.0	*12288.9*	9981.1
77.5°	354.1	383.7	625.7	855.9	920.8	2183.9	5017.1	8098.2	7696.8	*5961.5*	4544.9
80°	277.4	301.0	466.3	478.1	460.4	767.3	1711.7	2455.4	1729.4	*1086.1*	785.0
82.5°	171.2	206.6	348.2	289.2	212.5	242.0	401.4	661.1	472.2	*301.0*	242.0
85°	64.9	82.6	159.4	112.1	70.8	94.4	135.8	177.1	135.8	*100.3*	88.5
87.5°	5.9	5.9	11.8	11.8	17.7	23.6	35.4	47.2	53.1	*53.1*	53.1
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: P1366488
CATALOG NUMBER: GSS-SB5B-727-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1	3866.1
2.5°	3883.8	3901.5	3978.3	4019.6	4096.3	4155.3	4190.8	4208.5	4226.2	4238.0	4232.1
5°	3925.1	3978.3	4125.8	4238.0	4326.5	4385.5	4415.0	4438.7	4444.6	4456.4	4450.5
7.5°	4001.9	4084.5	4308.8	4438.7	4515.4	4539.0	4515.4	4503.6	4485.9	4468.2	4468.2
10°	4125.8	4255.7	4521.3	4615.7	4621.6	4586.2	4509.5	4421.0	4356.0	4332.4	4320.6
12.5°	4285.2	4468.2	4739.7	4763.3	4686.6	4521.3	4302.9	4119.9	4001.9	3913.3	3907.4
15°	4480.0	4692.5	4928.6	4857.7	4639.3	4291.1	3931.0	3671.3	3535.6	3458.8	3423.4
17.5°	4680.7	4952.2	5099.7	4905.0	4444.6	3877.9	3447.0	3240.5	3116.5	3075.2	3045.7
20°	4905.0	5164.7	5217.8	4834.1	4090.4	3417.5	3028.0	2898.1	2898.1	2886.3	2874.5
22.5°	5135.2	5383.1	5282.7	4639.3	3624.1	2963.0	2726.9	2774.2	2856.8	2880.4	2880.4
25°	5347.6	5571.9	5282.7	4291.1	3069.3	2591.2	2608.9	2721.0	2827.3	2886.3	2886.3
27.5°	5554.2	5690.0	5176.5	3801.2	2567.6	2402.3	2508.6	2644.3	2815.5	2904.0	2909.9
30°	5760.8	5778.5	4987.6	3175.5	2207.5	2266.5	2390.5	2567.6	2756.5	2868.6	2880.4
32.5°	5979.2	5861.2	4722.0	2555.8	2042.3	2136.7	2284.3	2425.9	2573.5	2656.1	2662.0
35°	6227.1	5937.9	4379.6	2077.7	1936.0	2048.2	2160.3	2207.5	2248.8	2296.1	2325.6
37.5°	6498.6	6038.2	3931.0	1835.7	1835.7	1965.5	2030.5	1936.0	1924.2	1918.3	1900.6
40°	6799.6	6144.5	3370.3	1711.7	1758.9	1877.0	1823.9	1711.7	1629.1	1540.5	1546.4
42.5°	7177.4	6280.2	2732.8	1652.7	1705.8	1806.2	1658.6	1522.8	1298.5	1239.5	1251.3
45°	7608.3	6451.4	2225.2	1599.6	1664.5	1741.2	1546.4	1286.7	1145.1	1204.1	1245.4
47.5°	8062.8	6675.7	1859.3	1558.3	1646.8	1664.5	1475.6	1180.5	1086.1	1215.9	1269.0
50°	8599.9	6882.3	1688.1	1516.9	1640.9	1640.9	1351.7	1162.8	1038.8	1151.0	1204.1
52.5°	9142.9	7083.0	1599.6	1469.7	1623.2	1635.0	1322.2	1139.2	973.9	1009.3	1032.9
55°	9674.2	7195.1	1552.4	1404.8	1605.5	1605.5	1334.0	1097.9	909.0	909.0	920.8
57.5°	10211.3	7271.8	1511.0	1328.1	1546.4	1516.9	1334.0	1068.3	885.4	861.8	873.6
60°	10807.4	7319.1	1469.7	1239.5	1463.8	1410.7	1328.1	1044.7	855.9	820.4	826.3
62.5°	10901.9	6988.5	1393.0	1145.1	1351.7	1322.2	1304.4	1015.2	808.6	737.8	737.8
65°	10565.4	6492.7	1298.5	1027.0	1204.1	1233.6	1257.2	979.8	761.4	678.8	684.7
67.5°	10530.0	6120.9	1198.2	920.8	1009.3	1121.5	1198.2	920.8	690.6	619.8	613.9
68°	*10447.4*	*5985.1*	*1168.7*	*897.2*	*973.9*	*1097.9*	*1162.8*	*897.2*	*678.8*	*608.0*	*608.0*
70°	9916.2	5394.9	991.6	790.9	861.8	897.2	1021.1	796.8	608.0	548.9	554.8
72.5°	8883.2	4397.3	761.4	643.4	690.6	690.6	885.4	737.8	554.8	501.7	501.7
75°	7407.6	3476.6	578.4	507.6	484.0	560.7	720.1	667.0	489.9	448.6	430.9
77.5°	3364.4	1499.2	377.8	354.1	360.1	436.8	572.5	572.5	466.3	366.0	324.6
80°	743.7	466.3	230.2	212.5	212.5	277.4	401.4	413.2	336.4	253.8	218.4
82.5°	247.9	188.9	141.7	129.9	124.0	147.6	247.9	271.5	200.7	147.6	147.6
85°	94.4	88.5	76.7	70.8	59.0	59.0	76.7	124.0	106.2	70.8	70.8
87.5°	47.2	47.2	41.3	29.5	23.6	17.7	11.8	11.8	11.8	17.7	11.8
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

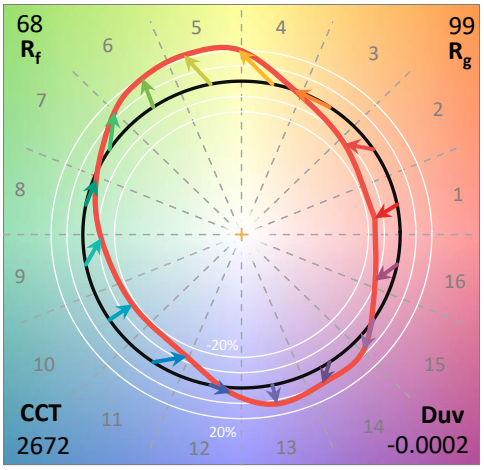
Test Information

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

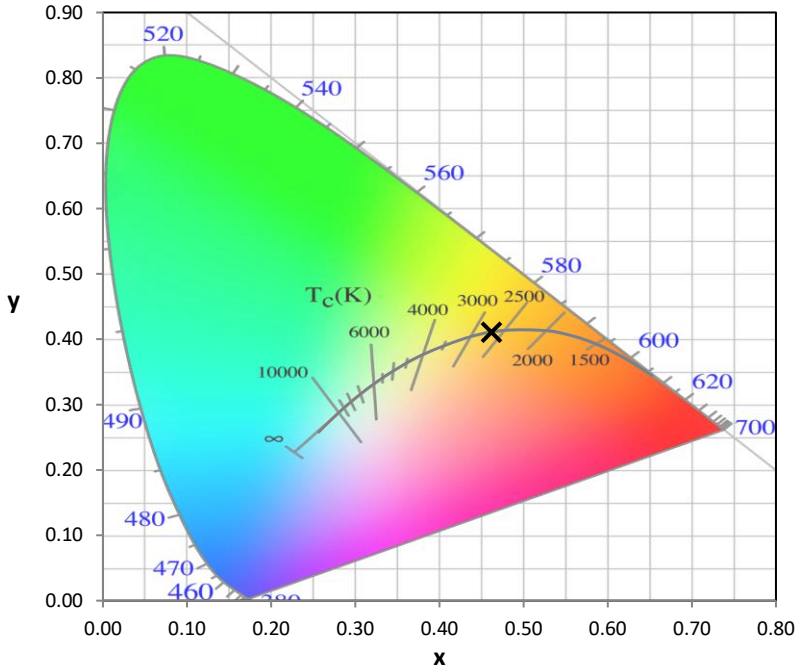
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

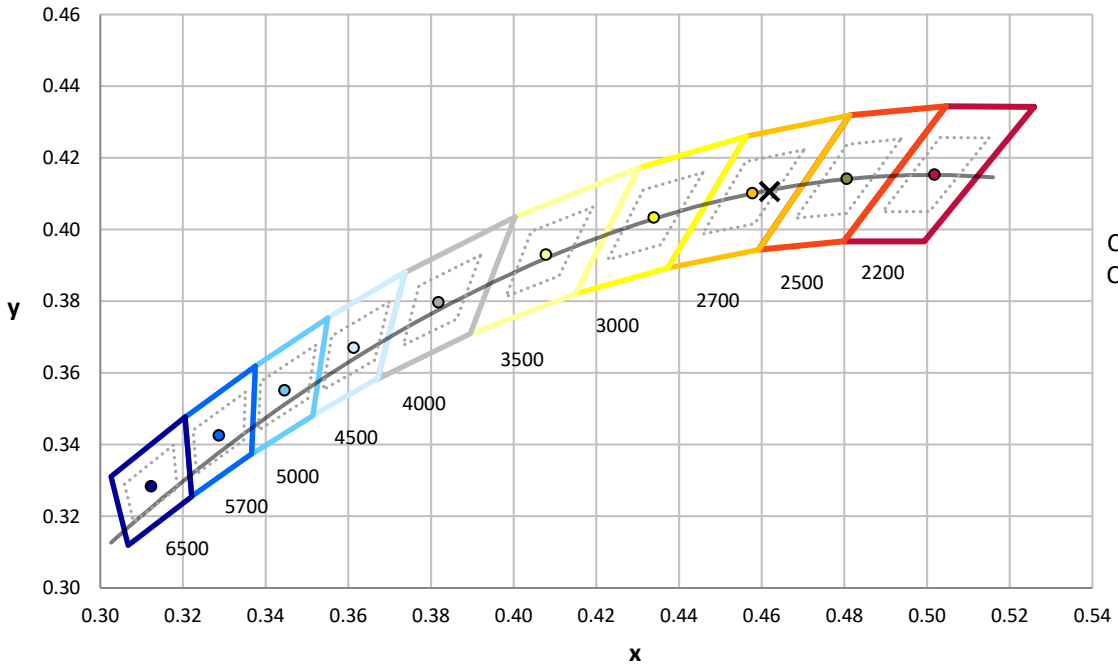
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

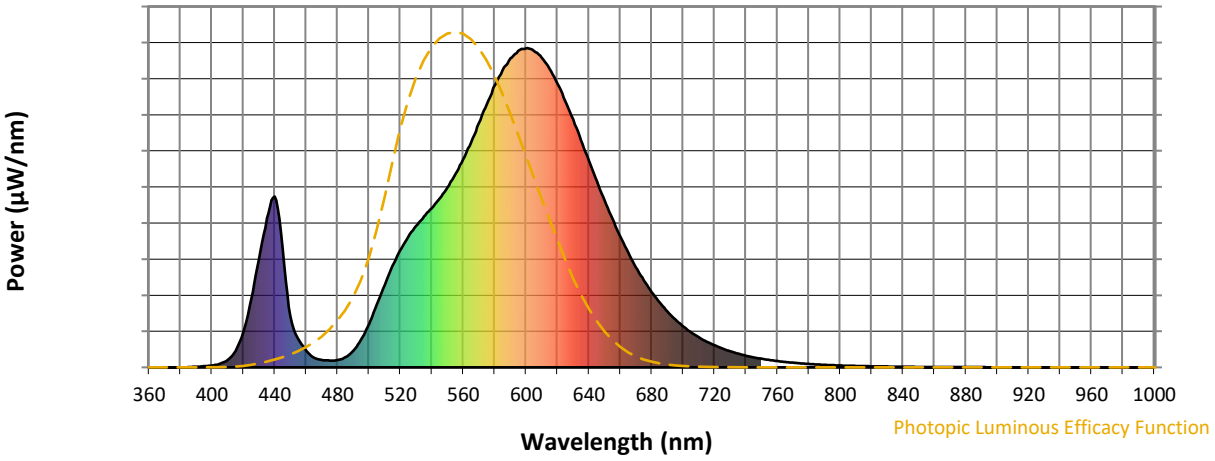


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

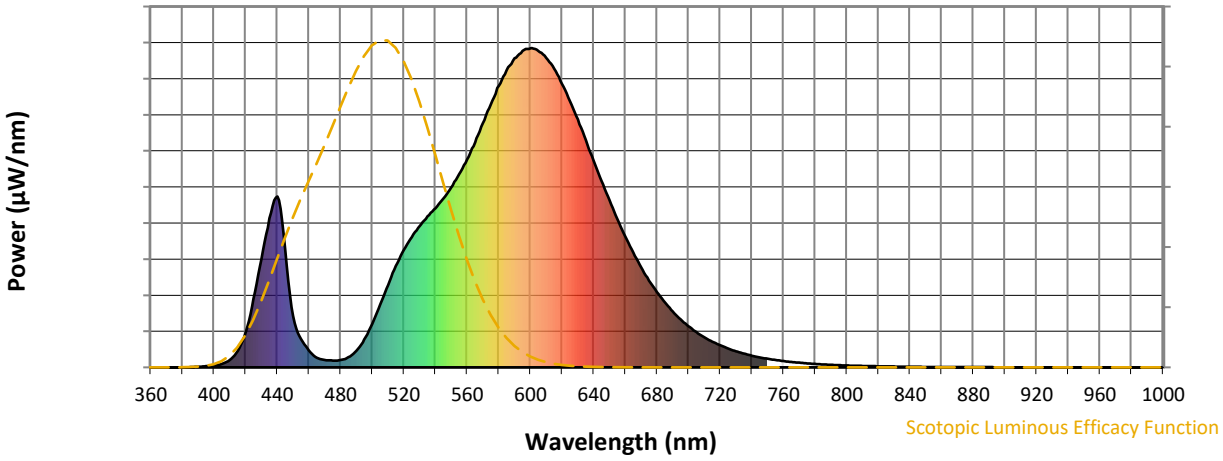


Photopic Lumens: NR

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

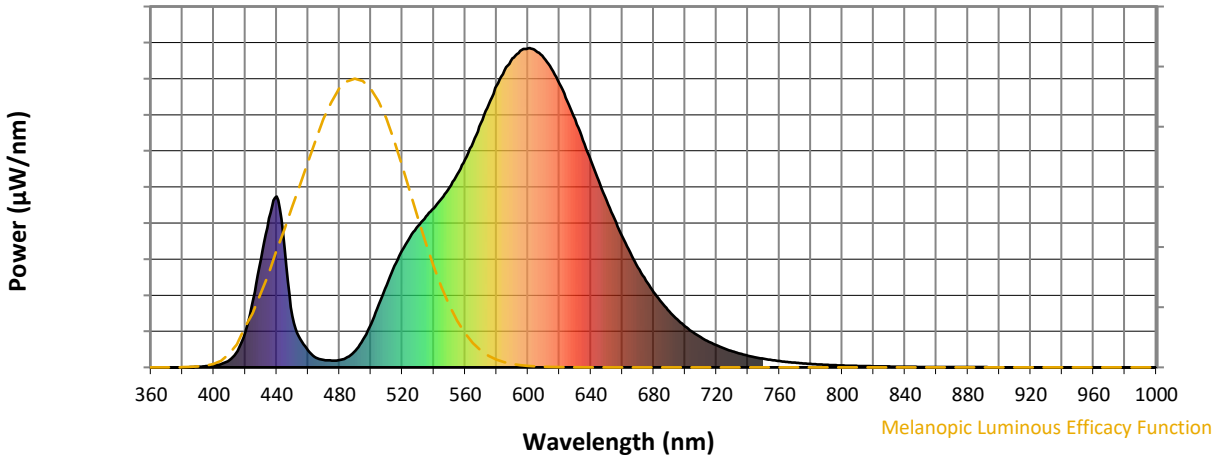


Scotopic Lumens: NR **S/P: 1.02**

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			

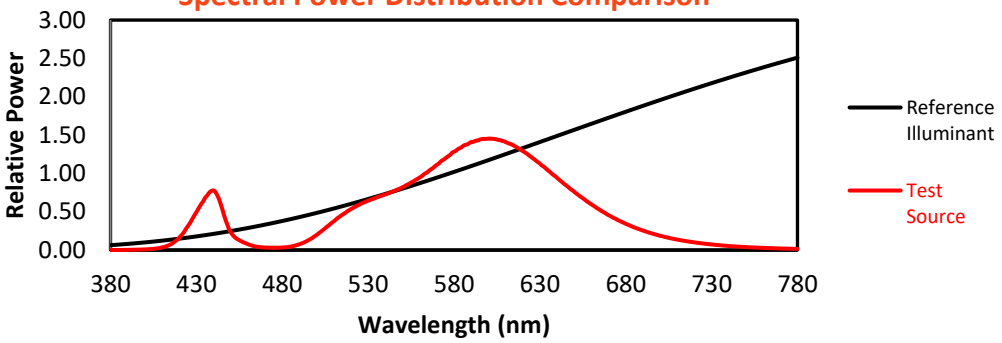
REPORT NUMBER: SP1-2407-184-3

TM-30-18

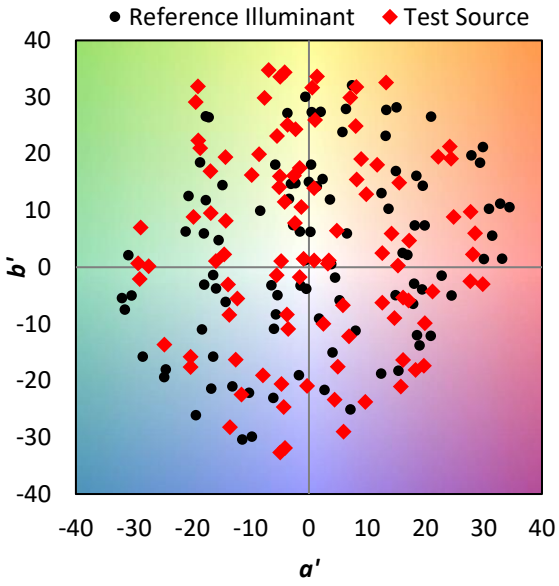
Summary

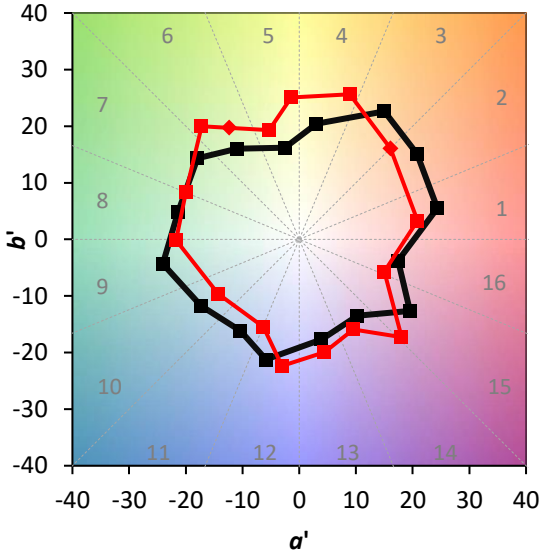
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

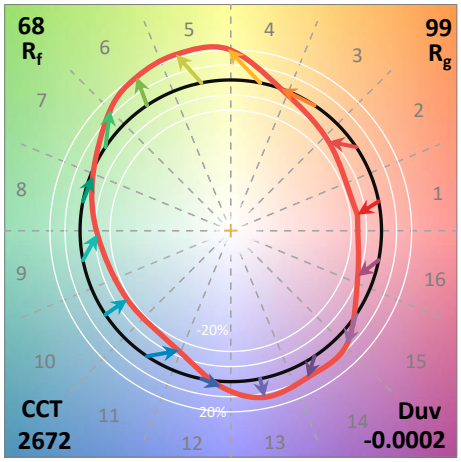
Spectral Power Distribution Comparison

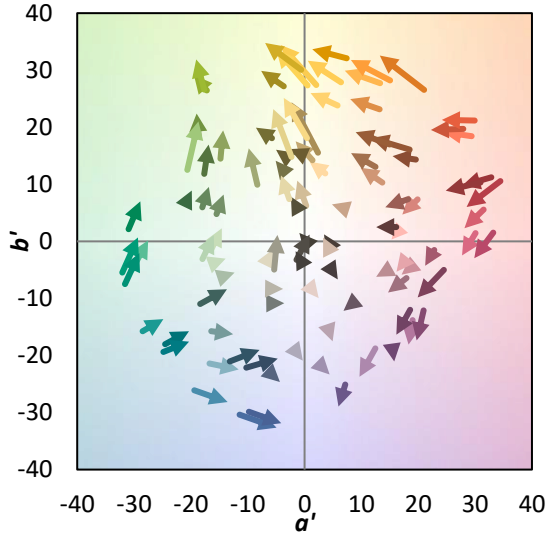


Color Vector Graphics







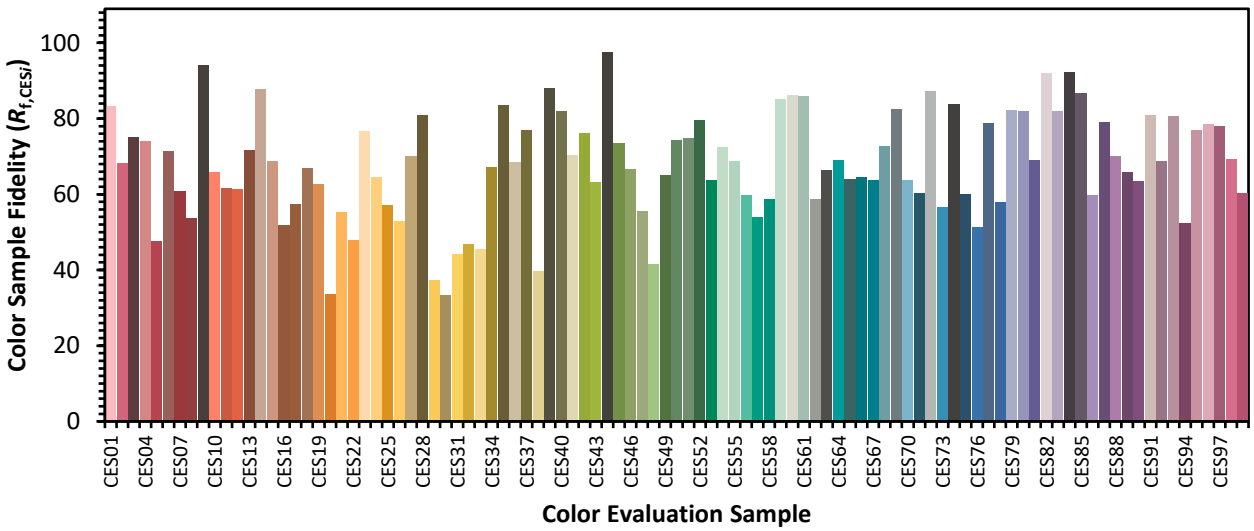


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

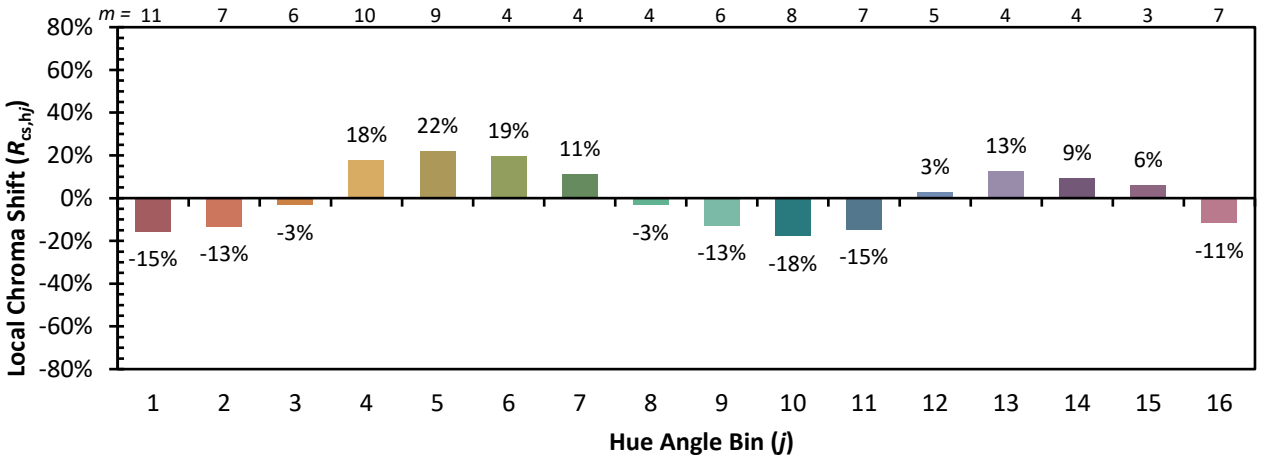
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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	

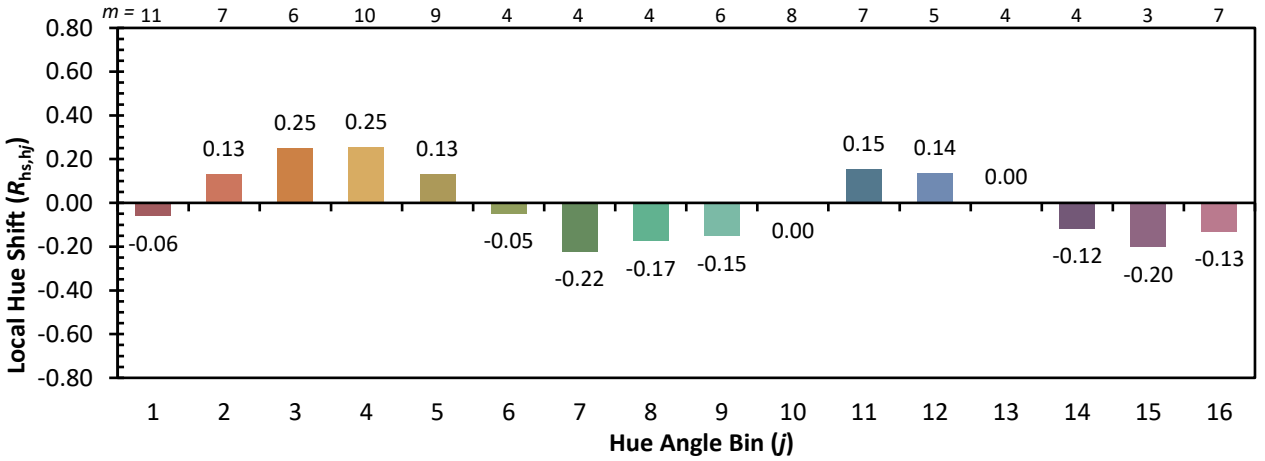


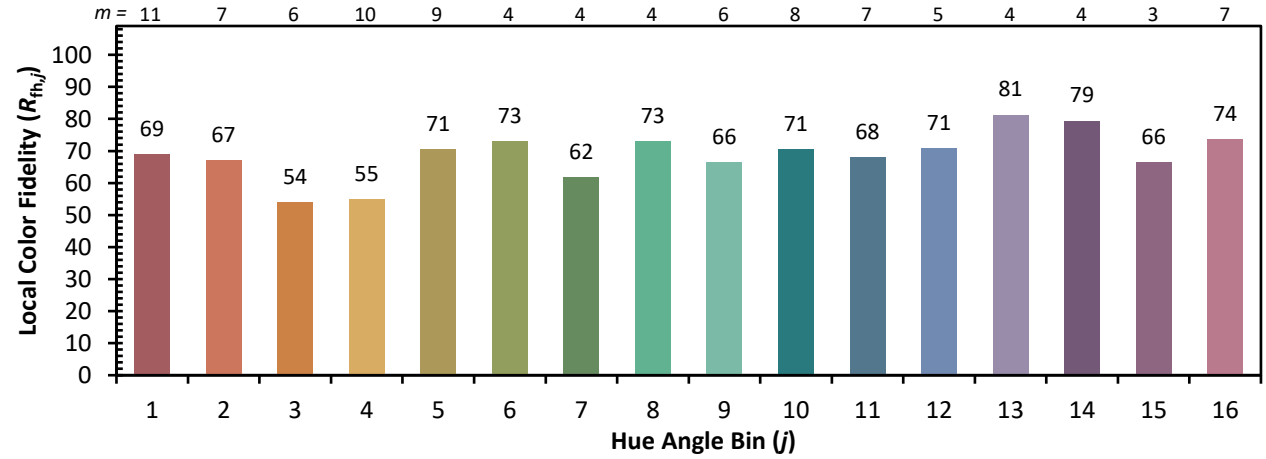
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



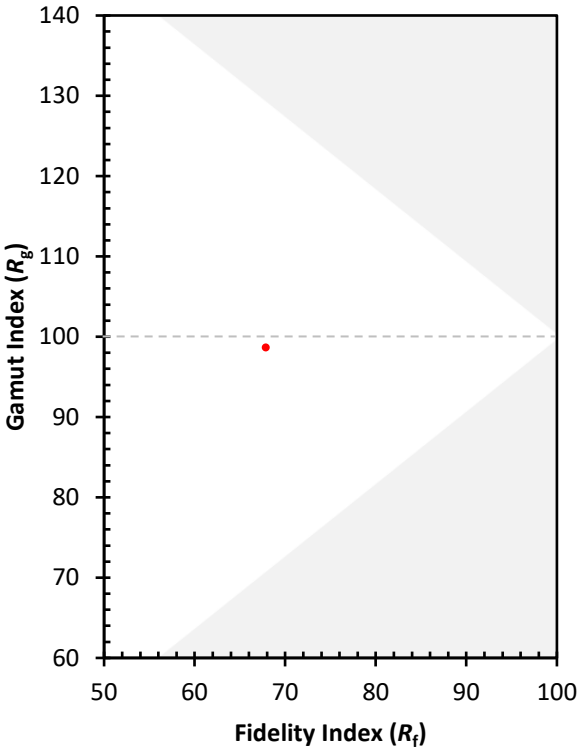


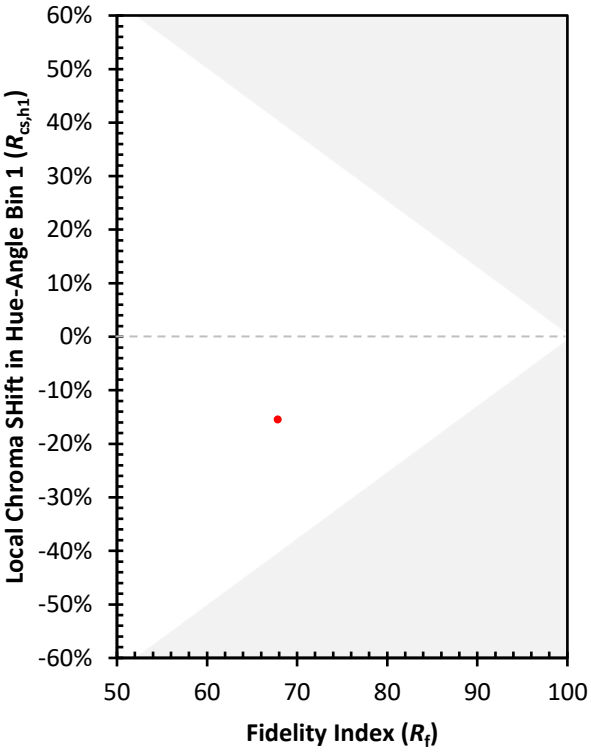


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)