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: INVUE

Report Number: P868878

Luminaire Tested: **EMM2-HSN-SA3B-727-U-T2U**

Issue Date: 08/22/2024

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:	P868878
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-SA3B-727-U-T2U
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 150W 70CRI 2700K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source:	(30) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17748.4 lumens
Efficiency:	N/A
Efficacy:	132.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	134
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.70%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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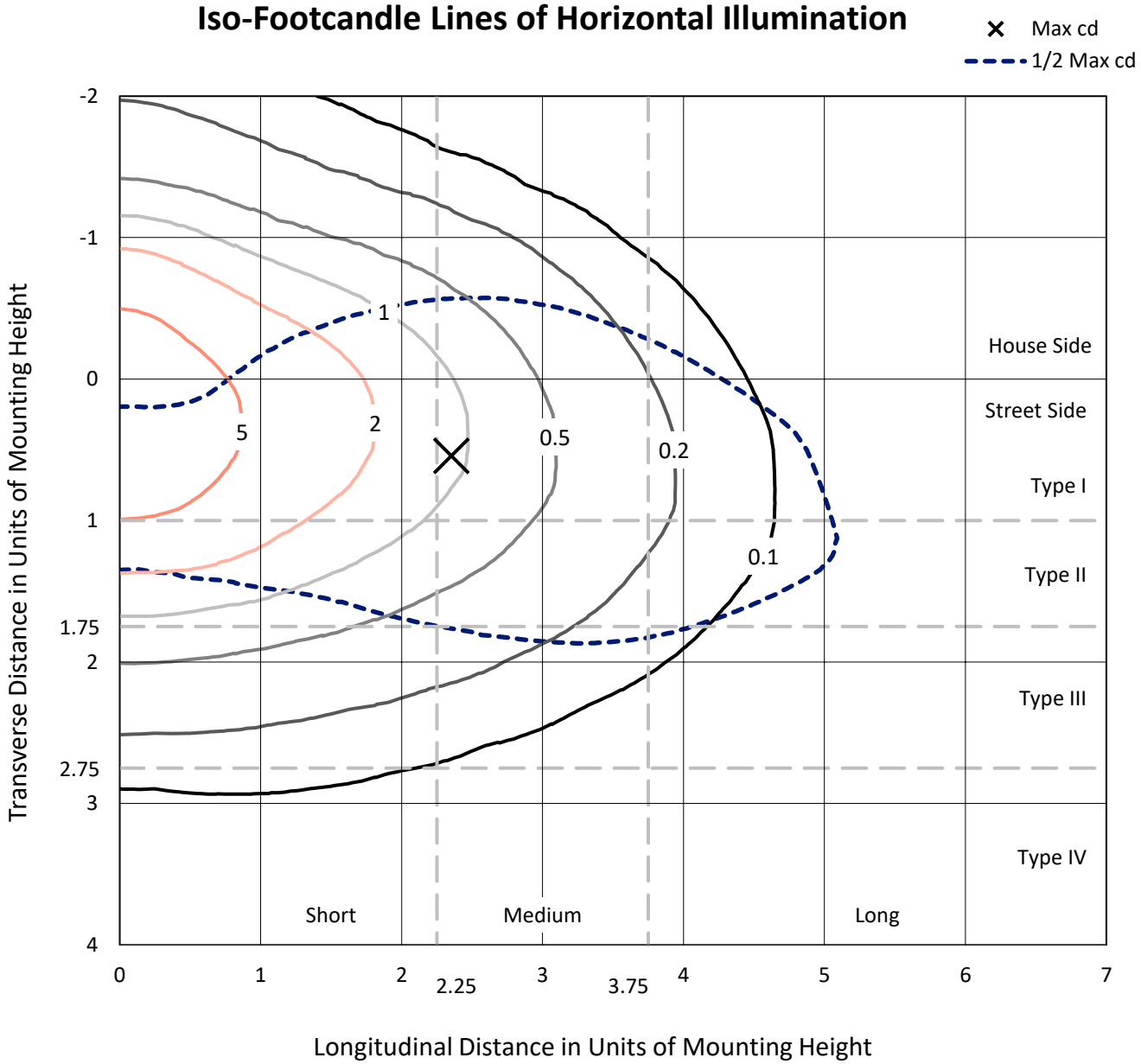
REPORT NUMBER: P868878
CATALOG NUMBER: EMM2-HSN-SA3B-727-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 9.6 fc
Type III - Medium - N/A

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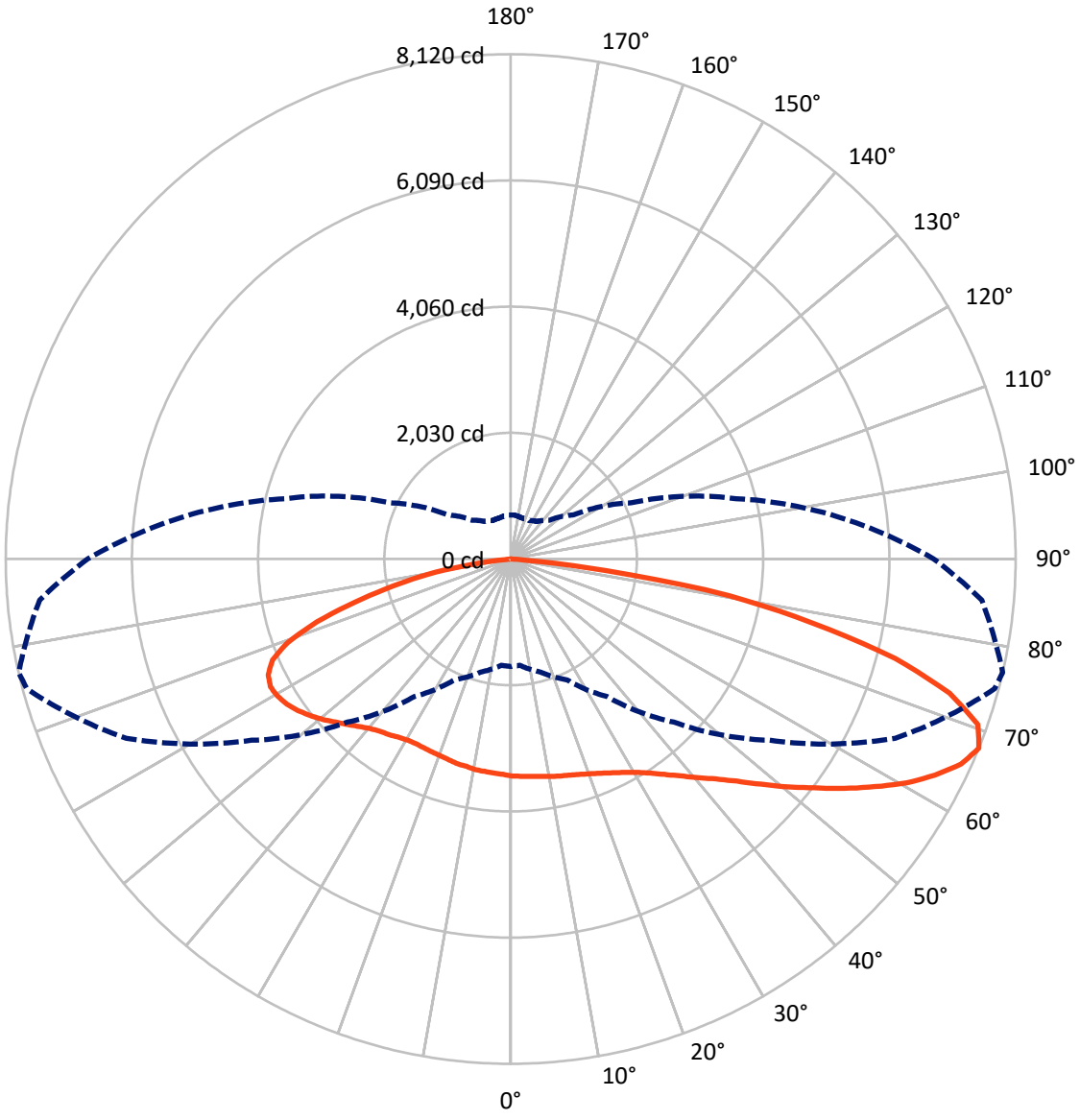
Luminous Intensity Polar Plot



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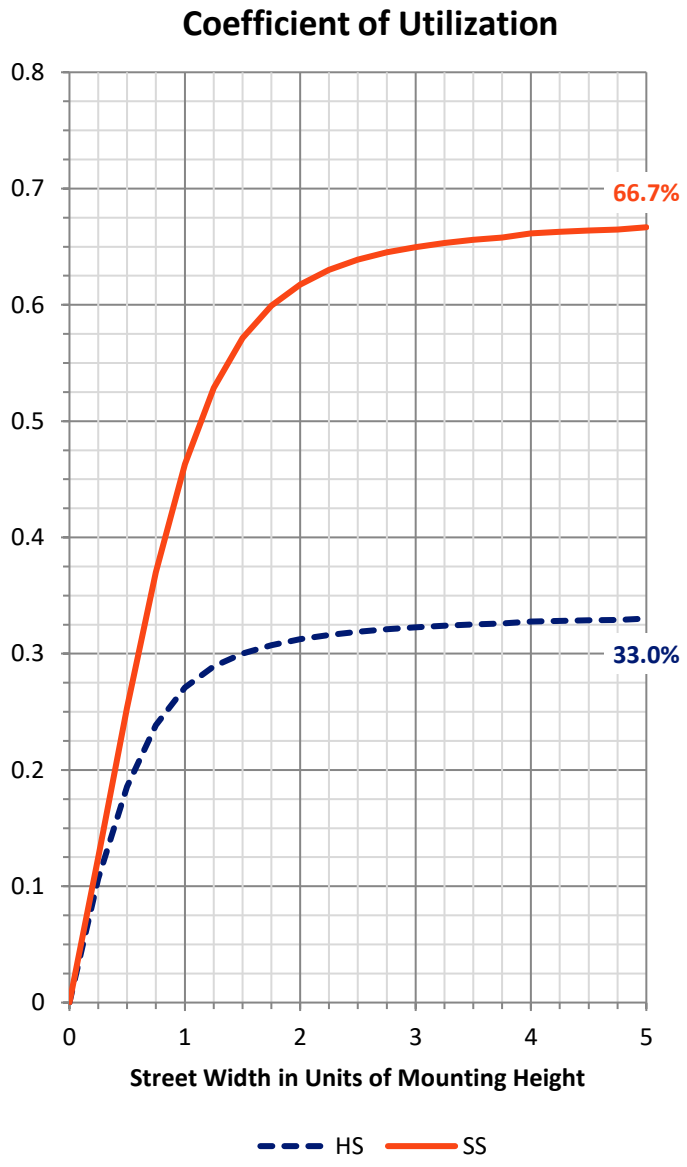
CATALOG NUMBER: EMM2-HSN-SA3B-727-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5901.9	0.0	5901.9
	% Fixture	33.3	0.0	33.3
Street Side	Lumens	11846.4	0.0	11846.4
	% Fixture	66.7	0.0	66.7
Total	Lumens	17748.4	0.0	17748.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.4	1.9
10°-20°	1017.2	5.7
20°-30°	1714.9	9.7
30°-40°	2433.5	13.7
40°-50°	3078.9	17.3
50°-60°	3372.8	19.0
60°-70°	3260.3	18.4
70°-80°	2192.8	12.4
80°-90°	342.7	1.9
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°	17748.4	100.0
0°-180°	17748.4	100.0



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REPORT NUMBER: P868878
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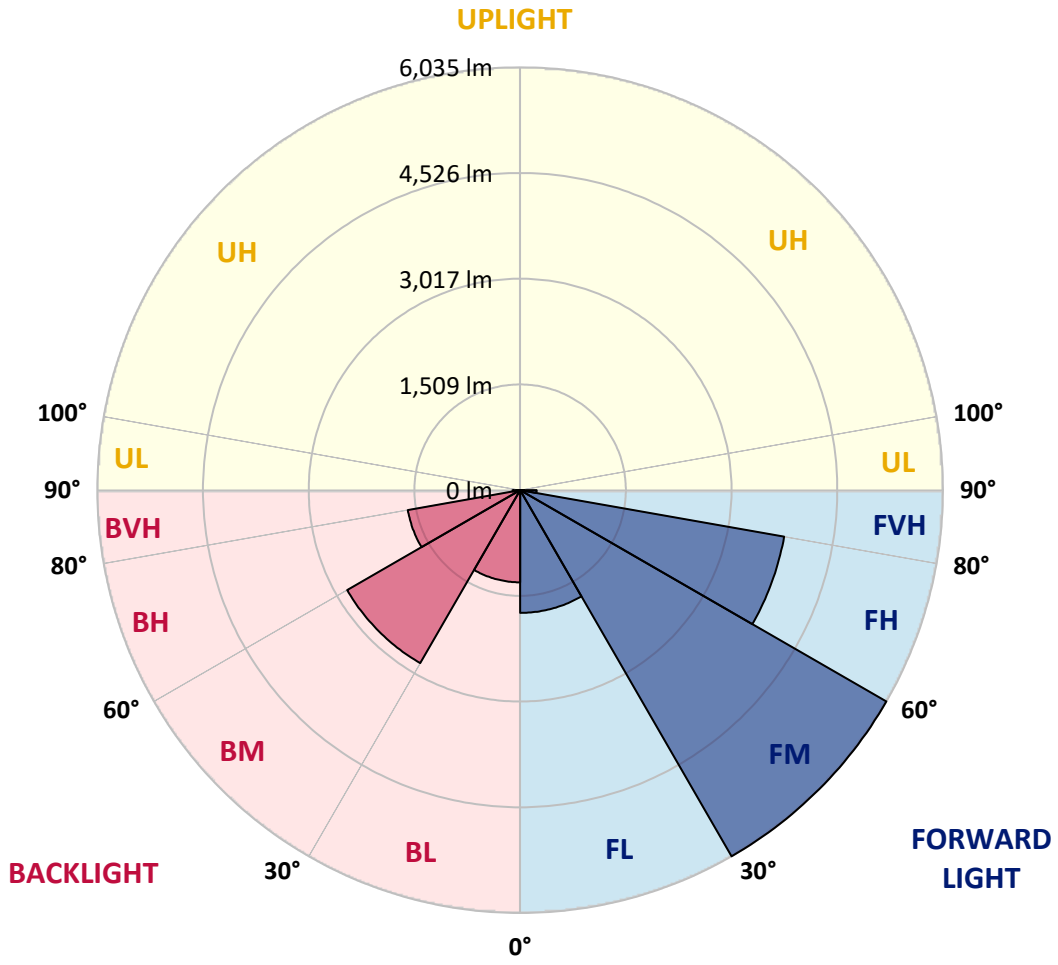
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1751.8	9.9			
FM	(30°-60°)	6034.7	34.0			
FH	(60°-80°)	3825.3	21.6			G2/5000
FVH	(80°-90°)	234.6	1.3			G3/500
BL	(0°-30°)	1315.7	7.4	B3/2500		
BM	(30°-60°)	2850.5	16.1	B3/5000		
BH	(60°-80°)	1627.8	9.2	B3/2500		G3/2500
BVH	(80°-90°)	108.0	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type III Medium



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REPORT NUMBER: P868878
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	*3489.5*	3489.5
2.5°	3566.8	3563.2	3545.7	3552.7	3531.6	3545.7	3524.6	3507.1	3503.6	*3500.1*	3503.6
5°	3679.1	3661.5	3644.0	3633.5	3615.9	3608.9	3573.8	3538.7	3517.6	*3514.1*	3507.1
7.5°	3809.0	3802.0	3777.4	3763.3	3714.2	3689.6	3640.5	3577.3	3545.7	*3531.6*	3514.1
10°	3942.4	3959.9	3928.3	3900.3	3844.1	3791.4	3707.2	3626.4	3563.2	*3556.2*	3517.6
12.5°	4107.4	4103.9	4082.8	4033.7	3967.0	3893.2	3791.4	3679.1	3594.8	*3580.8*	3524.6
15°	4254.8	4251.3	4223.2	4177.6	4089.8	3998.6	3861.6	3731.8	3626.4	*3605.4*	3538.7
17.5°	4391.7	4384.7	4367.2	4318.0	4209.2	4096.9	3963.4	3791.4	3665.0	*3640.5*	3549.2
20°	4511.1	4518.1	4497.1	4447.9	4346.1	4226.7	4058.2	3868.7	3714.2	*3686.1*	3580.8
22.5°	4641.0	4644.5	4634.0	4616.4	4486.5	4360.1	4177.6	3956.4	3770.4	*3742.3*	3615.9
25°	4777.9	4781.4	4788.4	4777.9	4630.5	4493.5	4300.5	4065.3	3847.6	*3809.0*	3665.0
27.5°	4935.9	4939.4	4953.4	4932.4	4774.4	4630.5	4437.4	4181.1	3928.3	*3886.2*	3707.2
30°	5114.9	5129.0	5118.4	5111.4	4928.9	4788.4	4574.3	4300.5	4033.7	*3981.0*	3780.9
32.5°	5329.1	5325.6	5304.5	5283.4	5097.4	4949.9	4728.8	4454.9	4163.6	*4103.9*	3900.3
35°	5483.5	5483.5	5451.9	5441.4	5269.4	5114.9	4897.3	4626.9	4311.0	*4254.8*	4026.6
37.5°	5578.3	5592.4	5567.8	5574.8	5409.8	5265.9	5065.8	4802.5	4472.5	*4423.3*	4181.1
40°	5613.4	5648.5	5669.6	5697.7	5532.7	5409.8	5244.8	4992.1	4679.6	*4623.4*	4367.2
42.5°	5620.4	5673.1	5746.8	5806.5	5620.4	5518.6	5416.8	5185.1	4883.2	*4834.1*	4570.8
45°	5585.3	5560.8	5739.8	5746.8	5669.6	5606.4	5567.8	5416.8	5178.1	*5097.4*	4823.5
47.5°	5318.5	5290.4	5339.6	5564.3	5609.9	5645.0	5722.3	5687.1	5473.0	*5409.8*	5114.9
50°	4886.7	4872.7	5069.3	5311.5	5462.5	5641.5	5848.6	5946.9	5799.5	*5760.9*	5483.5
52.5°	4174.1	4135.5	4535.7	5006.1	5269.4	5606.4	5936.4	6213.7	6168.1	*6111.9*	5799.5
55°	3721.2	3721.2	3991.5	4577.8	5023.6	5480.0	5992.6	6494.6	6575.3	*6512.1*	6161.1
57.5°	3236.8	3275.4	3556.2	3959.9	4669.1	5248.3	5985.5	6729.8	6968.5	*6908.8*	6543.7
60°	2822.5	2854.1	3015.6	3422.8	4251.3	4942.9	5908.3	6922.9	7333.6	*7312.5*	6880.7
62.5°	2401.2	2439.9	2569.7	2952.4	3700.2	4591.8	5746.8	7028.2	7677.6	*7656.6*	7221.3
65°	2064.2	2067.7	2197.6	2517.1	3149.0	4167.1	5462.5	7007.1	7944.5	*7958.5*	7509.1
67.5°	*1727.2*	*1716.7*	*1885.2*	*2145.0*	*2699.6*	*3710.7*	*5083.3*	*6821.1*	*8056.8*	*8120.0*	*7603.9*
70°	1270.8	1284.9	1520.1	1808.0	2281.9	3184.1	4553.2	6459.5	7874.2	*7972.5*	7386.3
72.5°	954.9	983.0	1211.2	1509.6	1906.2	2657.5	3974.0	5831.1	7365.2	*7379.2*	6722.8
75°	775.8	782.9	986.5	1253.3	1562.2	2130.9	3191.1	4869.2	6227.8	*6389.3*	5711.7
77.5°	660.0	653.0	751.3	1011.0	1260.3	1702.6	2404.7	3703.7	4890.2	*4964.0*	4472.5
80°	561.7	558.2	593.3	818.0	986.5	1214.7	1646.5	2580.3	3489.5	*3570.3*	3177.1
82.5°	294.9	316.0	308.9	505.5	558.2	638.9	789.9	1172.5	1523.6	*1544.7*	1460.4
85°	14.0	14.0	14.0	21.1	35.1	56.2	108.8	108.8	119.4	*228.2*	259.8
87.5°	3.5	3.5	7.0	7.0	7.0	10.5	10.5	14.0	14.0	*14.0*	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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CATALOG NUMBER: EMM2-HSN-SA3B-727-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5	3489.5
2.5°	3496.5	3482.5	3461.4	3464.9	3461.4	3461.4	3443.9	3429.8	3426.3	3433.4	3447.4
5°	3500.1	3479.0	3447.4	3436.9	3426.3	3419.3	3391.2	3370.2	3359.6	3366.6	3370.2
7.5°	3500.1	3468.5	3433.4	3412.3	3384.2	3363.1	3331.5	3303.5	3289.4	3292.9	3299.9
10°	3493.0	3457.9	3429.8	3387.7	3342.1	3317.5	3268.4	3233.2	3215.7	3219.2	3201.7
12.5°	3493.0	3454.4	3398.2	3359.6	3296.4	3243.8	3205.2	3166.5	3152.5	3138.5	3131.4
15°	3496.5	3447.4	3391.2	3310.5	3236.8	3180.6	3131.4	3106.9	3085.8	3078.8	3082.3
17.5°	3496.5	3447.4	3363.1	3268.4	3184.1	3113.9	3071.8	3043.7	3036.7	3029.6	3029.6
20°	3514.1	3450.9	3338.6	3226.2	3120.9	3047.2	3008.6	2991.0	2991.0	2980.5	2980.5
22.5°	3542.2	3457.9	3324.5	3191.1	3068.3	2987.5	2945.4	2924.3	2934.8	2927.8	2924.3
25°	3573.8	3482.5	3307.0	3142.0	2998.0	2913.8	2871.7	2857.6	2854.1	2836.6	2861.1
27.5°	3598.3	3500.1	3296.4	3092.8	2934.8	2836.6	2783.9	2759.3	2741.8	2748.8	2741.8
30°	3665.0	3549.2	3299.9	3050.7	2864.6	2745.3	2682.1	2654.0	2647.0	2647.0	2647.0
32.5°	3756.3	3612.4	3324.5	3033.1	2797.9	2657.5	2580.3	2552.2	2545.2	2531.1	2538.2
35°	3872.2	3707.2	3363.1	3005.1	2745.3	2555.7	2471.5	2432.8	2422.3	2408.3	2408.3
37.5°	4002.1	3802.0	3391.2	2991.0	2675.1	2450.4	2355.6	2306.5	2299.4	2285.4	2292.4
40°	4167.1	3931.9	3436.9	2962.9	2594.3	2355.6	2229.2	2148.5	2166.0	2173.1	2187.1
42.5°	4353.1	4096.9	3507.1	2934.8	2531.1	2257.3	2071.2	1990.5	2011.6	2004.5	2018.6
45°	4605.9	4289.9	3594.8	2924.3	2453.9	2137.9	1909.8	1818.5	1811.5	1800.9	1808.0
47.5°	4869.2	4521.6	3679.1	2903.3	2369.6	1990.5	1727.2	1611.4	1583.3	1569.2	1555.2
50°	5143.0	4753.3	3777.4	2889.2	2257.3	1825.5	1544.7	1411.3	1358.6	1341.0	1323.5
52.5°	5451.9	5002.6	3861.6	2854.1	2134.4	1653.5	1379.7	1228.7	1169.0	1133.9	1137.4
55°	5778.4	5230.8	3938.9	2812.0	1994.0	1492.0	1214.7	1088.3	1028.6	1018.1	1018.1
57.5°	6080.3	5466.0	3995.0	2738.3	1853.6	1334.0	1077.7	968.9	940.8	954.9	954.9
60°	6389.3	5655.6	4023.1	2657.5	1709.7	1200.6	983.0	895.2	881.2	909.2	912.8
62.5°	6638.5	5806.5	4016.1	2545.2	1551.7	1084.8	891.7	821.5	828.5	877.6	888.2
65°	6817.6	5880.2	3928.3	2376.7	1400.7	983.0	810.9	744.2	744.2	779.3	789.9
67.5°	*6803.5*	*5785.4*	*3752.8*	*2141.5*	*1239.2*	*881.2*	*737.2*	*684.6*	*684.6*	*709.1*	*705.6*
70°	6515.6	5459.0	3419.3	1857.1	1081.3	793.4	674.0	635.4	631.9	642.4	638.9
72.5°	5824.1	4795.5	2899.7	1534.1	933.8	705.6	610.8	575.7	568.7	554.7	544.1
75°	4806.0	3938.9	2264.3	1221.7	789.9	621.4	551.2	519.6	491.5	509.0	498.5
77.5°	3728.2	3022.6	1685.1	947.9	642.4	540.6	491.5	456.4	449.4	512.5	491.5
80°	2720.7	2088.8	1190.1	677.5	498.5	438.8	410.7	382.7	484.5	649.5	645.9
82.5°	1207.6	1007.5	544.1	323.0	231.7	193.1	161.5	182.6	305.4	298.4	308.9
85°	108.8	112.3	59.7	38.6	24.6	21.1	14.0	14.0	10.5	10.5	10.5
87.5°	14.0	14.0	10.5	10.5	7.0	7.0	7.0	7.0	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-3

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-727-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-727-U-5WQ-2

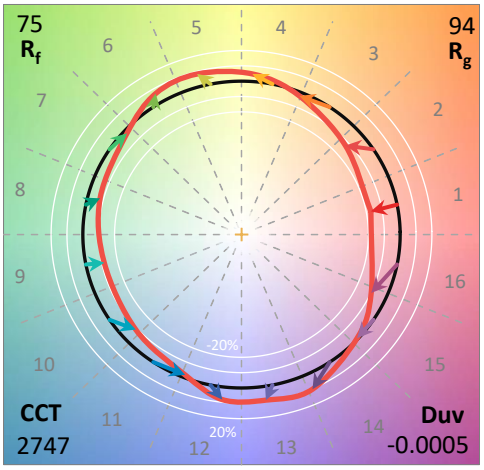
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/20/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-SA-40-727-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	2747	CRI (Ra):	71.7		
CIE u':	0.2606	R1:	68.1	R9:	-35.3
CIE v':	0.5257	R2:	83.9	R10:	64.2
Duv:	-0.0005	R3:	94.7	R11:	61.7
CIE x:	0.4552	R4:	66.3	R12:	53.9
CIE y:	0.4082	R5:	67.4	R13:	71.2
CIE z:	0.1366	R6:	78.7	R14:	97.6
Peak Wavelength (nm):	597	R7:	75.0	R15:	59.3
Dominant Wavelength (nm):	584	R8:	39.4		
Purity:	59.16856				
Rf:	75.5				
Rg:	93.6				



Test Conditions

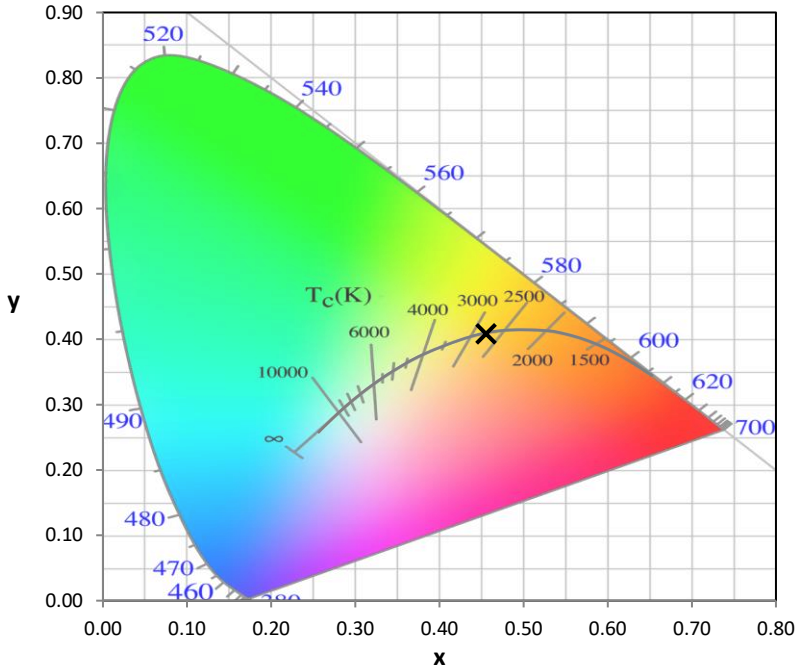
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-3

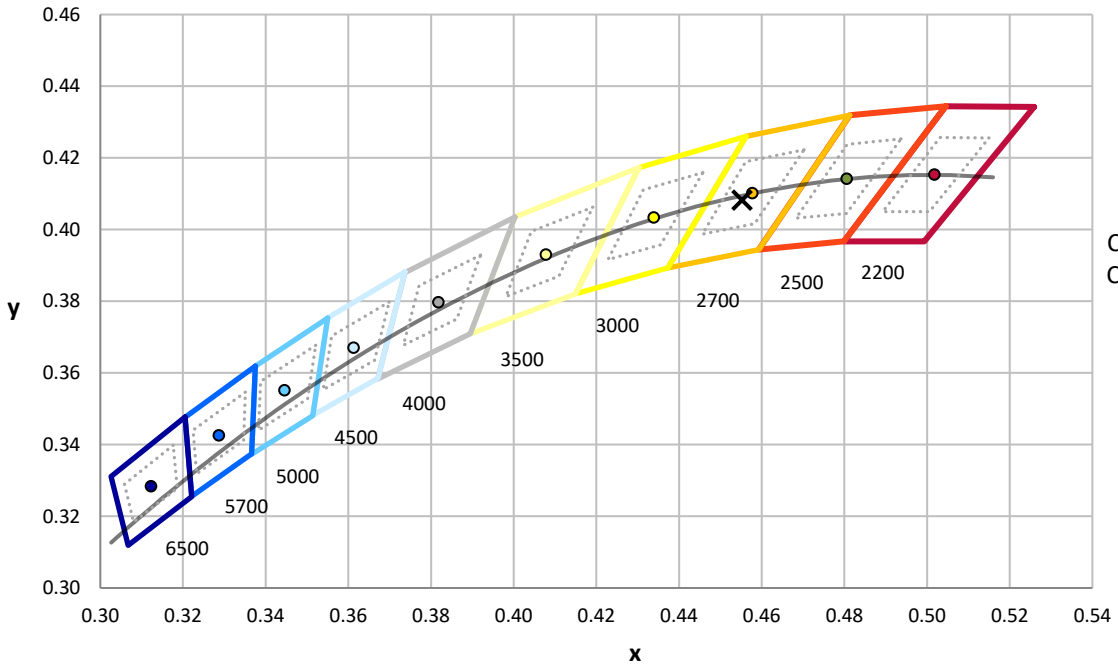
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-3

CIE 1931 Chromaticity Diagram



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

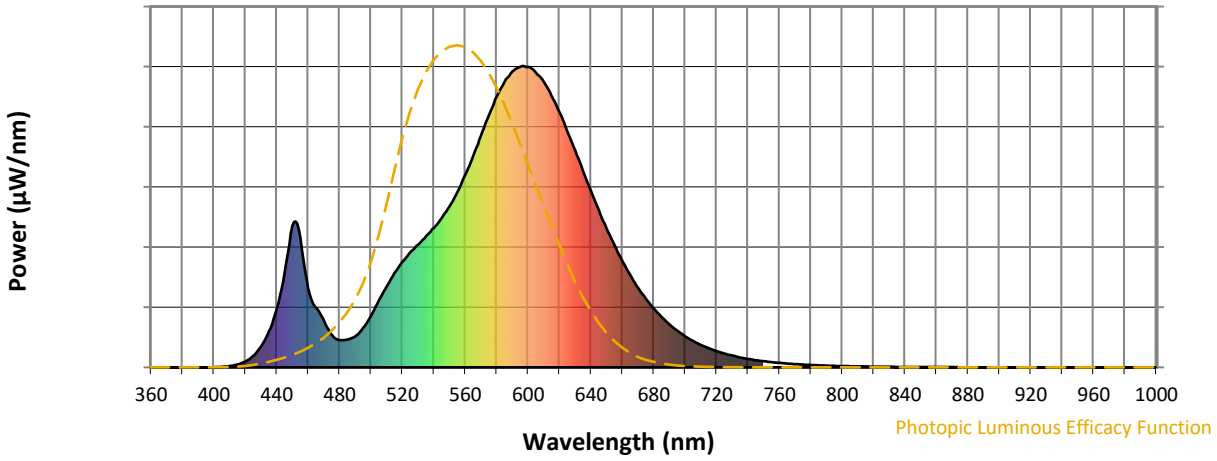


CCT = 2747K
CIE x = 0.4552
CIE y = 0.4082
Duv = -0.0005

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-3

Photopic Flux vs. Wavelength

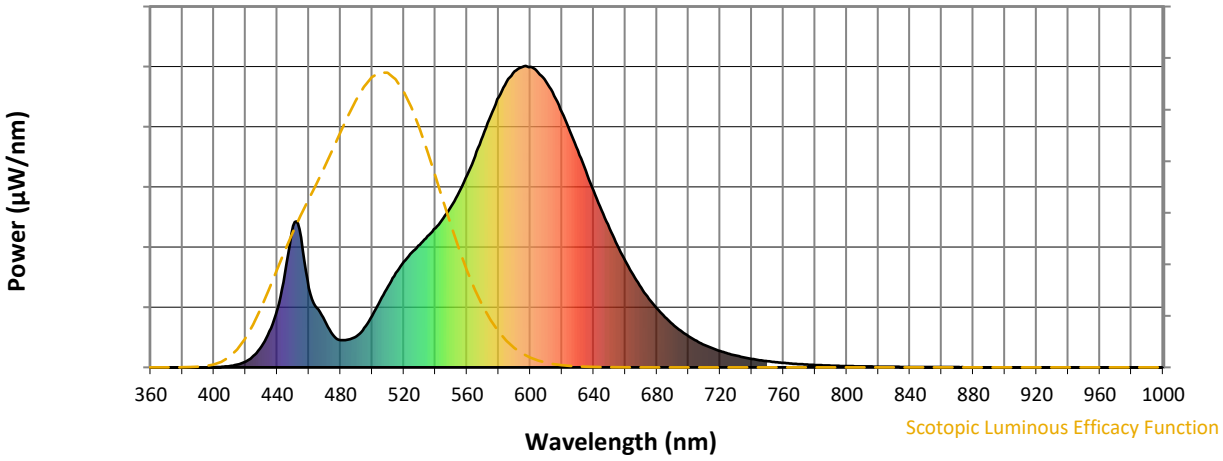


Photopic Lumens: NR

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP1-2407-157-3

Scotopic Flux vs. Wavelength

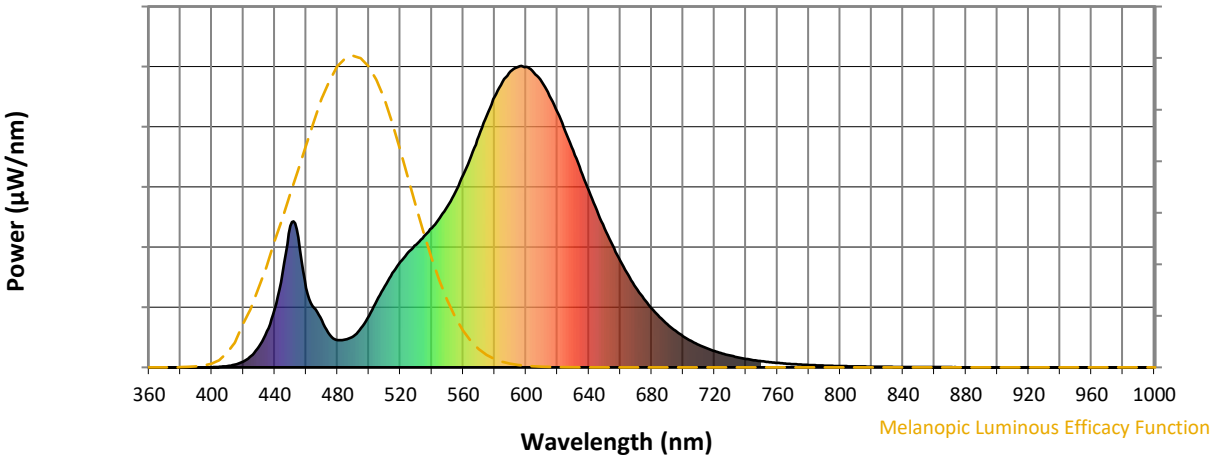


Scotopic Lumens: NR **S/P: 1.13**

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP1-2407-157-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.04**

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

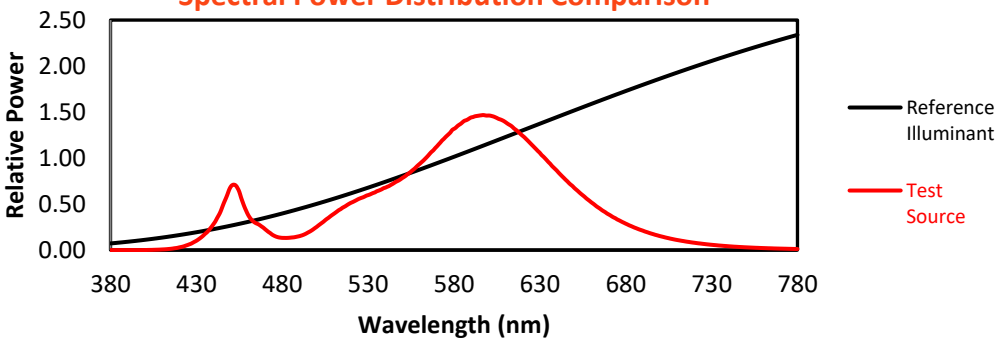
REPORT NUMBER: SP1-2407-157-3

TM-30-18

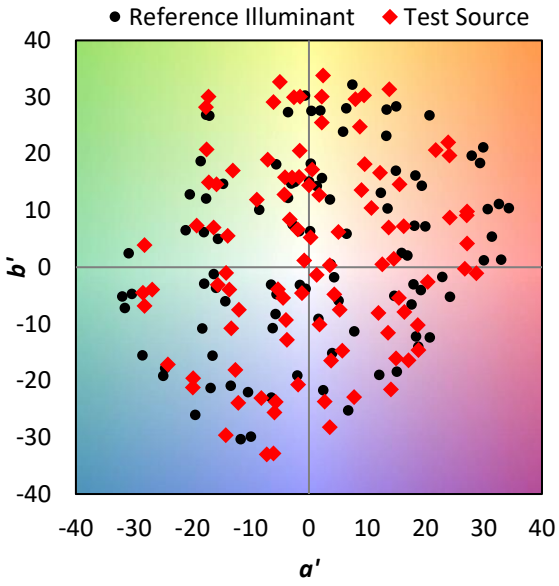
Summary

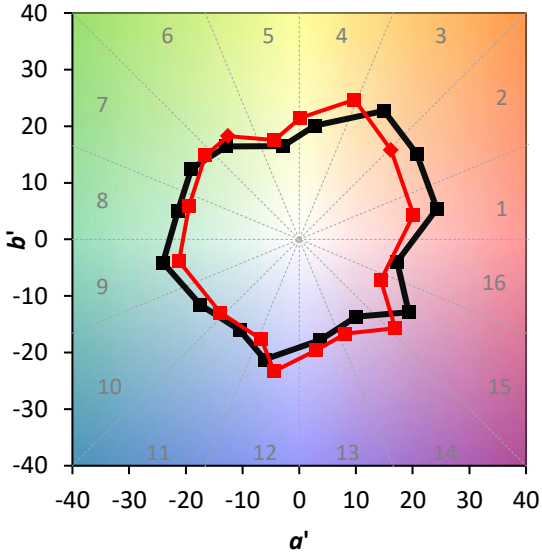
R_f = 75.5
R_g = 93.6
CIE R_a = 71.7
R_9 = -35.3

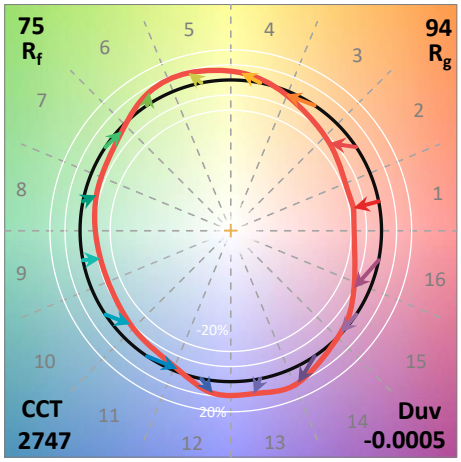
Spectral Power Distribution Comparison

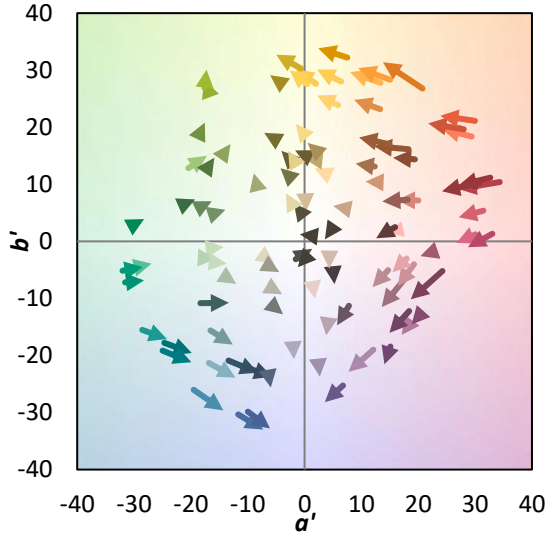


Color Vector Graphics







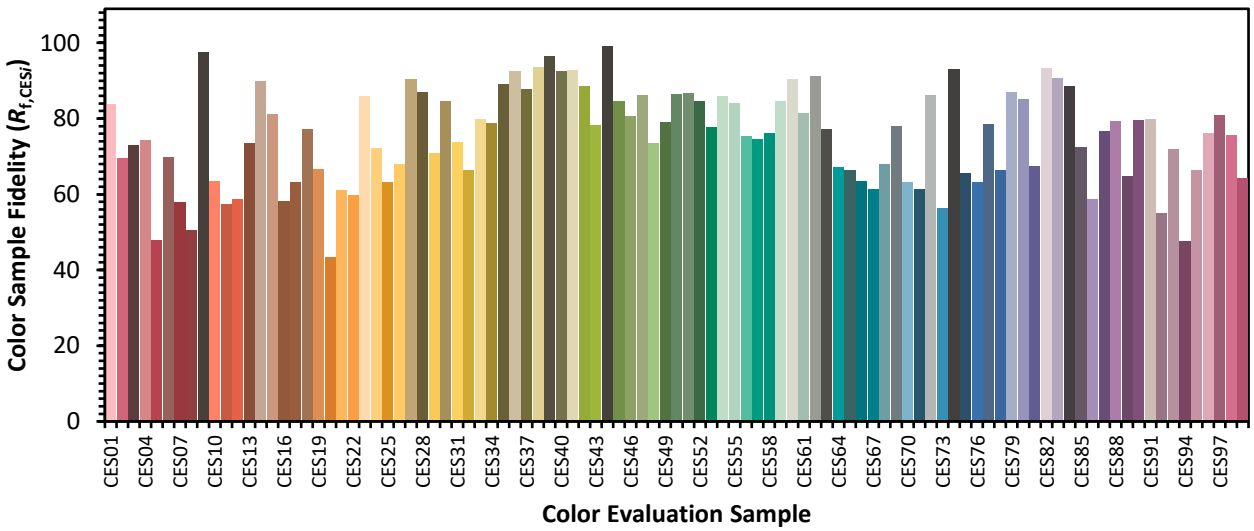


REPORT NUMBER: SP1-2407-157-3

TM-30-18

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

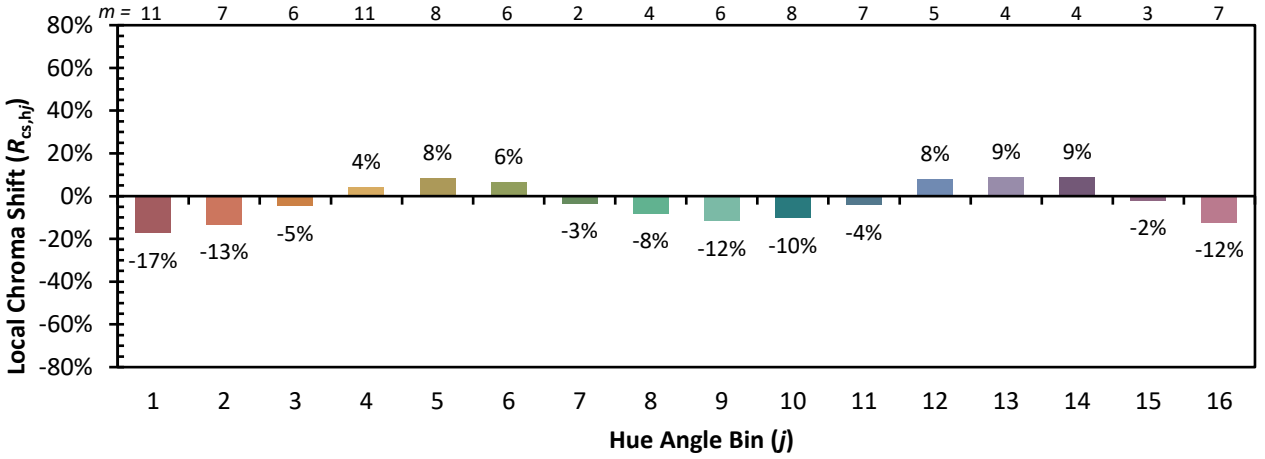
CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 63
CES02 = 63	CES27 = 90	CES52 = 85	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 66
CES04 = 71	CES29 = 71	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 85	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 66	CES57 = 75	CES82 = 93
CES08 = 41	CES33 = 80	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 72
CES11 = 60	CES36 = 93	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 93	CES63 = 77	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 67	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 66	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 63	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 78	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 61	CES96 = 76
CES22 = 80	CES47 = 86	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 56	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	

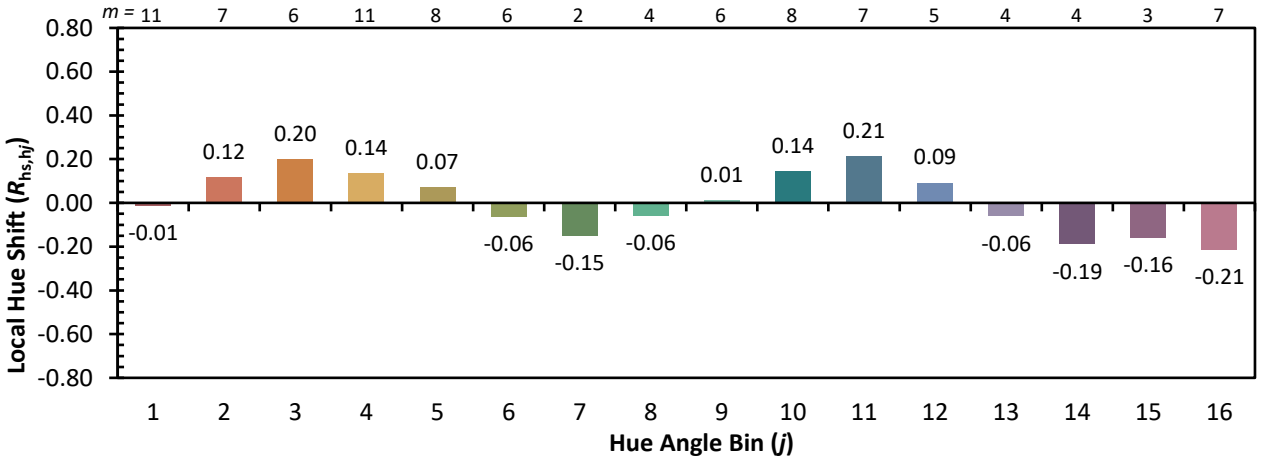


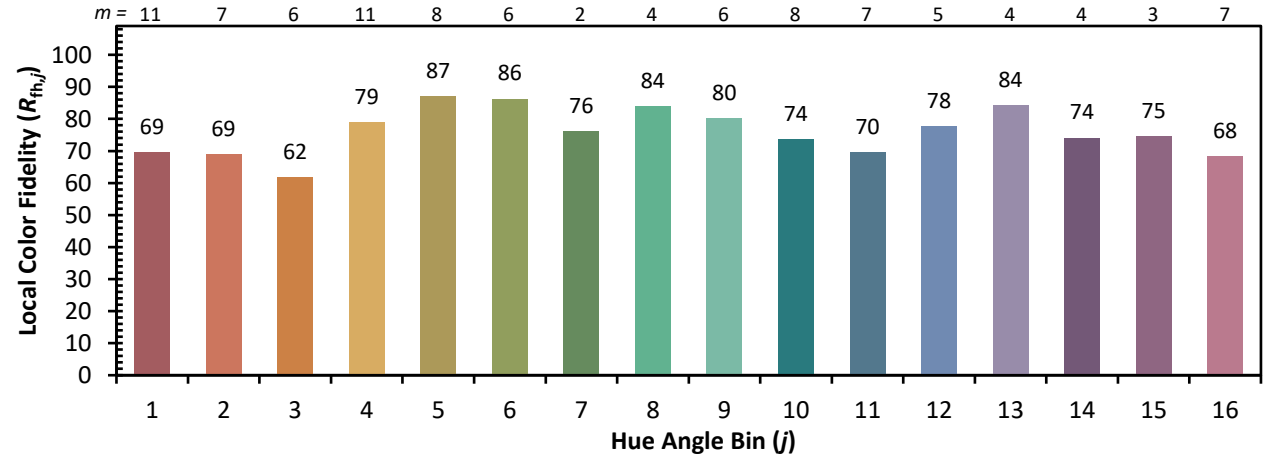
REPORT NUMBER: SP1-2407-157-3

TM-30-18

Color Rendition by Hue-Angle Bin



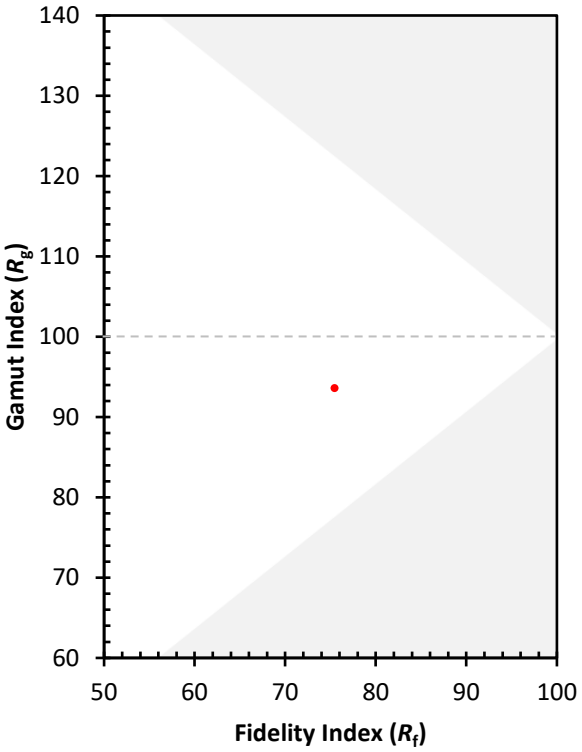


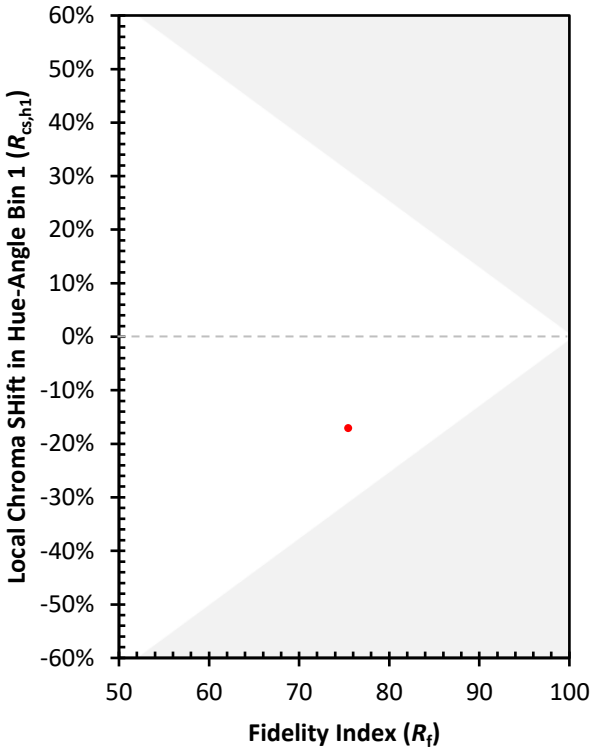


REPORT NUMBER: SP1-2407-157-3

TM-30-18

Measure Comparisons





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