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: P868791

Luminaire Tested: **EMM2-HSN-SA2B-750-U-T1**

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:	P868791
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-SA2B-750-U-T1
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 100W 70CRI 5000K FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC
Light Source:	(20) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13158.2 lumens
Efficiency:	N/A
Efficacy:	146.2 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	90
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.20%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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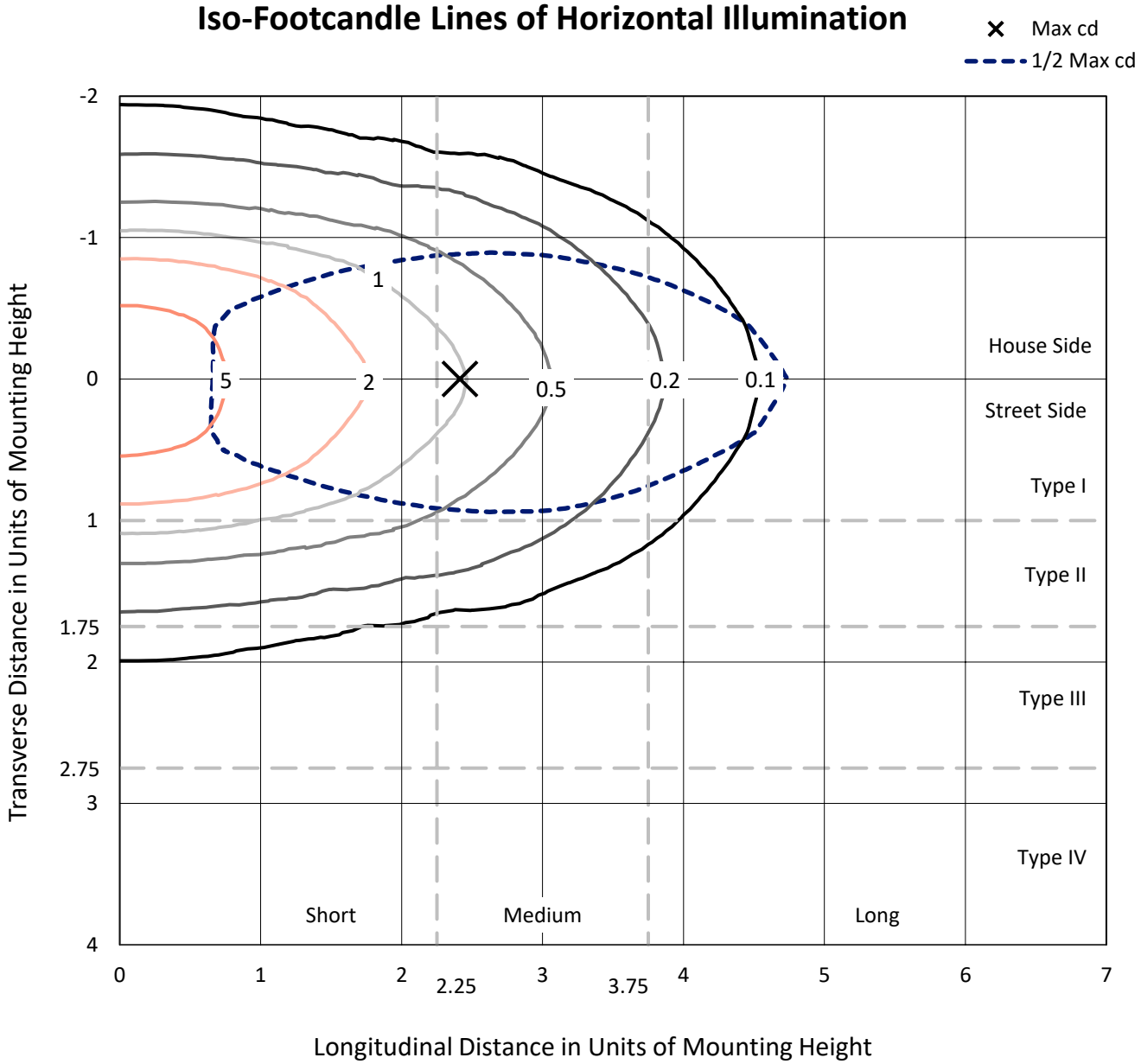
REPORT NUMBER: P868791
CATALOG NUMBER: EMM2-HSN-SA2B-750-U-T1

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8 fc
Type I - Short - N/A

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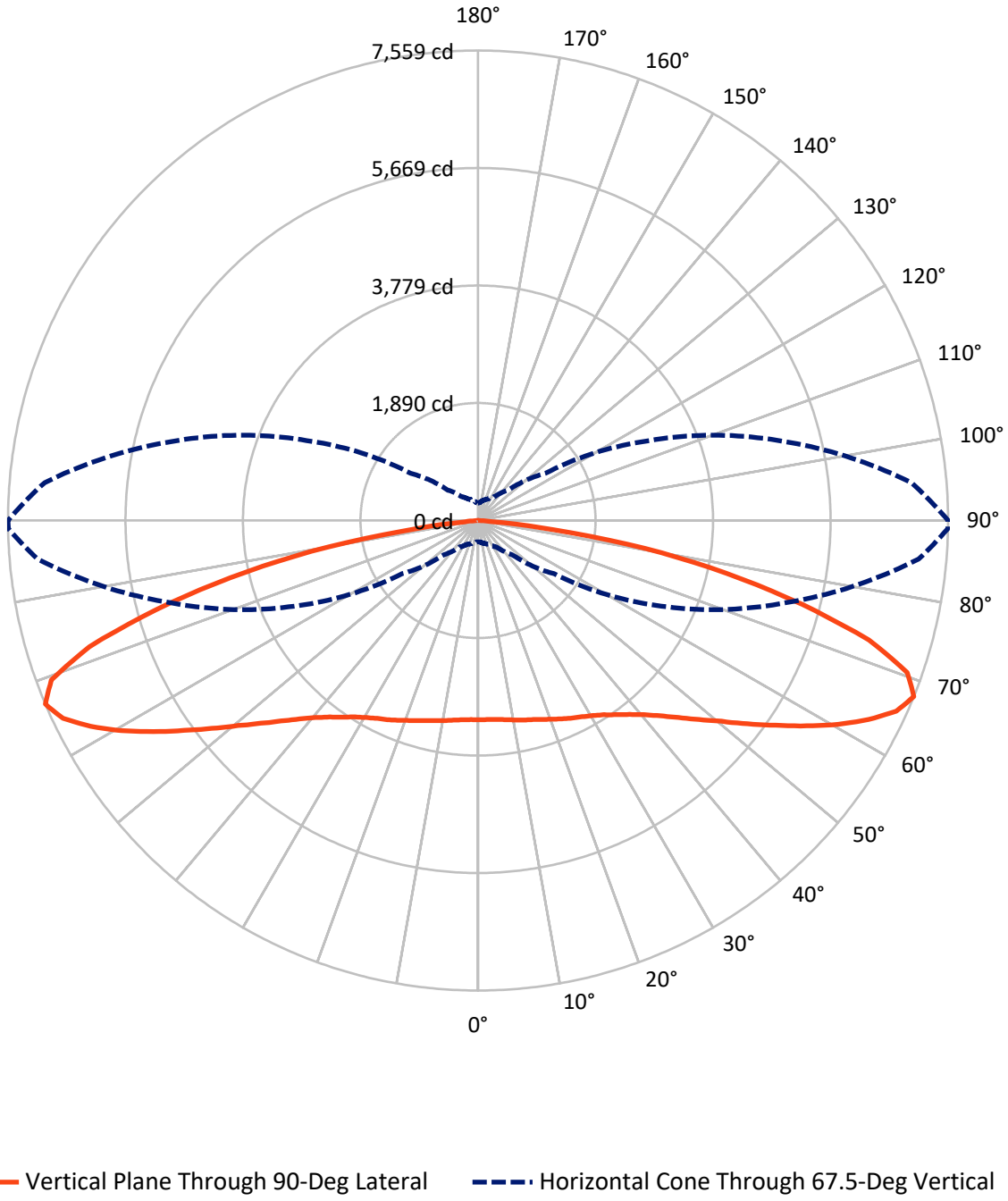
Luminous Intensity Polar Plot



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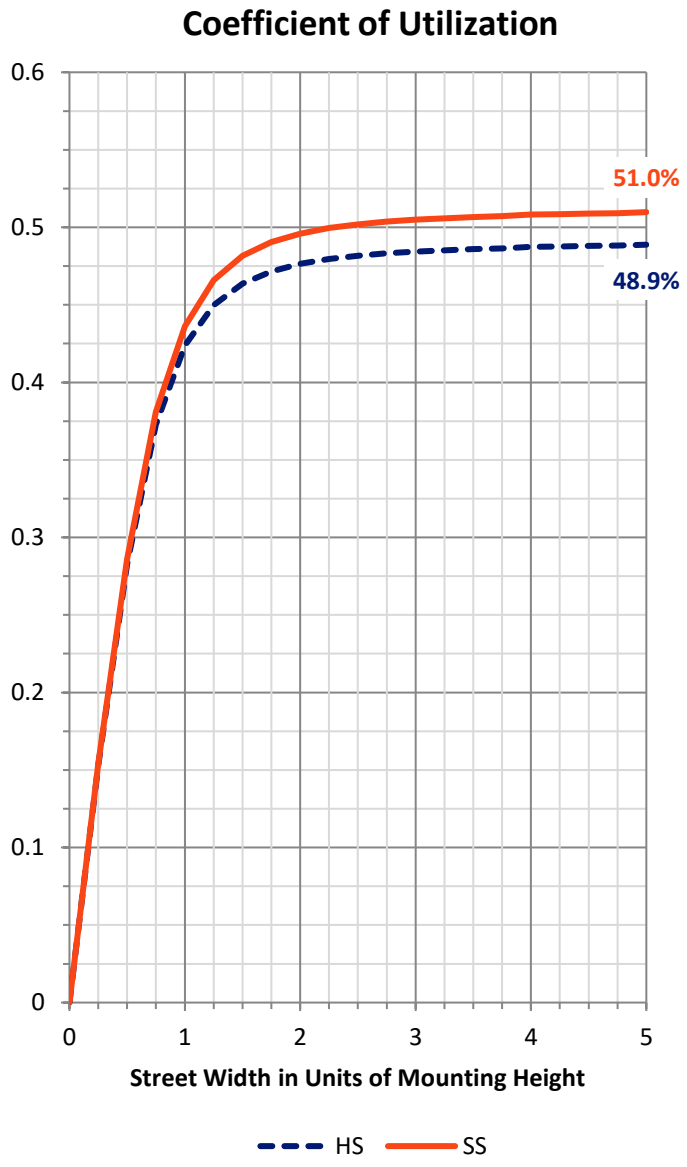
REPORT NUMBER: P868791
CATALOG NUMBER: EMM2-HSN-SA2B-750-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6462.2	0.0	6462.2
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	6695.9	0.0	6695.9
	% Fixture	50.9	0.0	50.9
Total	Lumens	13158.2	0.0	13158.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.3	2.3
10°-20°	923.3	7.0
20°-30°	1528.1	11.6
30°-40°	2026.2	15.4
40°-50°	2284.5	17.4
50°-60°	2342.0	17.8
60°-70°	2212.0	16.8
70°-80°	1357.3	10.3
80°-90°	177.6	1.3
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°	13158.2	100.0
0°-180°	13158.2	100.0



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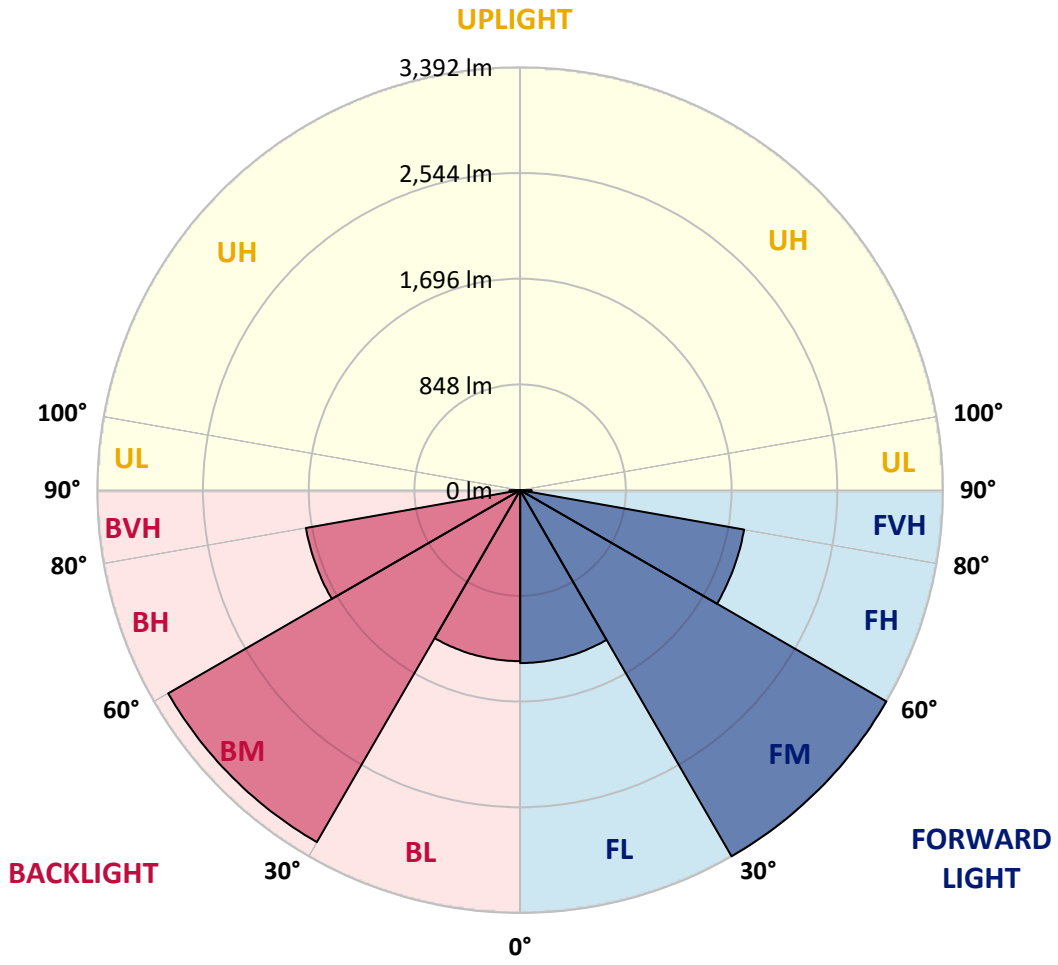
REPORT NUMBER: P868791
CATALOG NUMBER: EMM2-HSN-SA2B-750-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1387.2	10.5			
FM	(30°-60°)	3392.0	25.8			
FH	(60°-80°)	1824.2	13.9			G2/5000
FVH	(80°-90°)	92.5	0.7			G1/100
BL	(0°-30°)	1371.4	10.4	B3/2500		
BM	(30°-60°)	3260.7	24.8	B3/5000		
BH	(60°-80°)	1745.1	13.3	B3/2500		G3/2500
BVH	(80°-90°)	85.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type I Short



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Scaled Data Report

REPORT NUMBER: P868791
CATALOG NUMBER: EMM2-HSN-SA2B-750-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0
2.5°	3218.6	3218.6	3211.0	3198.4	3195.9	3198.4	3213.5	3206.0	3206.0	3208.5	3206.0
5°	3218.6	3218.6	3213.5	3200.9	3200.9	3200.9	3218.6	3211.0	3213.5	3216.1	3216.1
7.5°	3223.6	3223.6	3218.6	3208.5	3208.5	3208.5	3233.7	3228.7	3228.7	3236.3	3231.2
10°	3236.3	3231.2	3226.2	3228.7	3221.1	3233.7	3246.4	3248.9	3259.0	3264.1	3261.5
12.5°	3236.3	3231.2	3218.6	3233.7	3233.7	3251.4	3269.1	3279.2	3291.9	3291.9	3291.9
15°	3221.1	3216.1	3206.0	3231.2	3241.3	3264.1	3289.3	3304.5	3327.2	3327.2	3324.7
17.5°	3203.4	3195.9	3190.8	3228.7	3251.4	3281.8	3319.6	3339.9	3365.1	3367.6	3362.6
20°	3170.6	3168.1	3170.6	3221.1	3261.5	3304.5	3350.0	3377.8	3410.6	3420.7	3413.1
22.5°	3135.2	3135.2	3145.3	3213.5	3276.7	3334.8	3395.4	3430.8	3463.6	3473.8	3463.6
25°	3087.2	3087.2	3107.4	3188.3	3281.8	3367.6	3438.4	3486.4	3516.7	3526.8	3521.8
27.5°	3014.0	3014.0	3036.7	3137.7	3266.6	3392.9	3483.9	3539.4	3572.3	3582.4	3577.3
30°	2910.4	2905.3	2935.6	3062.0	3238.8	3420.7	3536.9	3595.0	3638.0	3645.5	3638.0
32.5°	2746.2	2753.7	2799.2	2958.4	3193.3	3438.4	3600.1	3668.3	3716.3	3731.4	3726.4
35°	2546.6	2559.2	2622.4	2827.0	3107.4	3435.9	3665.8	3749.1	3812.3	3832.5	3830.0
37.5°	2309.1	2326.8	2405.1	2645.1	2978.6	3398.0	3726.4	3840.1	3923.4	3948.7	3953.8
40°	2048.9	2066.6	2167.6	2432.9	2804.3	3309.5	3761.8	3943.7	4054.8	4105.3	4112.9
42.5°	1773.5	1803.8	1925.1	2182.8	2594.6	3168.1	3761.8	4044.7	4181.1	4274.6	4282.2
45°	1508.2	1533.5	1680.0	1932.7	2369.7	2986.2	3718.8	4145.8	4352.9	4514.6	4509.6
47.5°	1278.3	1285.9	1419.8	1675.0	2119.6	2779.0	3630.4	4236.7	4534.8	4749.6	4795.0
50°	1040.9	1058.5	1172.2	1424.9	1864.5	2551.6	3481.3	4294.8	4721.8	5047.7	5105.8
52.5°	874.1	876.6	962.5	1195.0	1599.2	2276.3	3302.0	4310.0	4901.2	5371.1	5441.8
55°	712.4	725.1	798.3	972.7	1344.0	2005.9	3069.5	4287.2	5065.4	5684.3	5815.7
57.5°	611.4	613.9	667.0	805.9	1134.3	1717.9	2811.8	4211.5	5201.8	6030.4	6197.2
60°	525.5	525.5	565.9	672.0	917.1	1437.5	2508.7	4077.6	5277.6	6401.8	6644.3
62.5°	457.3	459.8	495.2	573.5	763.0	1187.4	2175.2	3867.9	5305.4	6760.6	7038.5
65°	414.3	416.9	437.1	490.1	629.1	965.1	1834.1	3612.7	5267.5	7028.4	7389.6
67.5°	*343.6*	*346.1*	*381.5*	*421.9*	*523.0*	*775.6*	*1490.6*	*3259.0*	*5113.4*	*7111.7*	*7553.8*
70°	262.7	270.3	318.3	361.3	434.5	619.0	1144.4	2791.6	4744.5	6828.8	7283.5
72.5°	219.8	222.3	257.7	305.7	363.8	485.1	869.1	2197.9	4183.7	6098.6	6603.9
75°	192.0	194.5	214.7	257.7	303.2	389.1	603.8	1518.3	3337.3	4931.5	5393.8
77.5°	174.3	176.8	181.9	217.3	255.2	300.6	427.0	901.9	2354.6	3769.3	4011.9
80°	166.7	166.7	154.1	179.4	209.7	235.0	285.5	517.9	1510.8	2541.5	2736.1
82.5°	118.7	116.2	106.1	111.2	128.8	128.8	146.5	214.7	578.5	1073.7	1164.7
85°	7.6	7.6	12.6	15.2	22.7	30.3	37.9	50.5	146.5	199.6	207.2
87.5°	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1	7.6	10.1	10.1
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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Scaled Data Report

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CATALOG NUMBER: EMM2-HSN-SA2B-750-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0	3206.0
2.5°	3203.4	3206.0	3206.0	3211.0	3216.1	3213.5	3211.0	3216.1	3208.5	3193.3	3190.8
5°	3213.5	3213.5	3211.0	3216.1	3221.1	3216.1	3211.0	3211.0	3206.0	3190.8	3188.3
7.5°	3233.7	3231.2	3231.2	3231.2	3231.2	3223.6	3216.1	3211.0	3203.4	3188.3	3180.7
10°	3261.5	3259.0	3256.5	3254.0	3241.3	3233.7	3221.1	3213.5	3203.4	3185.7	3180.7
12.5°	3291.9	3286.8	3281.8	3284.3	3259.0	3236.3	3223.6	3206.0	3198.4	3158.0	3150.4
15°	3322.2	3314.6	3312.1	3302.0	3276.7	3243.9	3218.6	3193.3	3168.1	3130.2	3117.5
17.5°	3362.6	3357.5	3342.4	3332.3	3296.9	3251.4	3213.5	3178.2	3145.3	3099.9	3092.3
20°	3410.6	3405.5	3390.4	3370.2	3324.7	3269.1	3216.1	3160.5	3120.1	3067.0	3054.4
22.5°	3463.6	3456.1	3443.4	3420.7	3362.6	3296.9	3223.6	3150.4	3089.7	3029.1	3021.5
25°	3519.2	3514.2	3501.5	3468.7	3405.5	3324.7	3223.6	3115.0	3039.2	2986.2	2963.4
27.5°	3572.3	3569.8	3554.6	3516.7	3451.0	3344.9	3200.9	3056.9	2955.8	2885.1	2870.0
30°	3640.5	3635.4	3617.8	3574.8	3501.5	3357.5	3155.4	2958.4	2832.1	2753.7	2731.0
32.5°	3723.9	3718.8	3693.5	3640.5	3562.2	3360.1	3089.7	2832.1	2665.3	2581.9	2554.2
35°	3835.0	3824.9	3792.1	3728.9	3620.3	3334.8	2973.5	2670.4	2465.7	2357.1	2319.2
37.5°	3956.3	3943.7	3900.7	3822.4	3660.7	3266.6	2809.3	2453.1	2220.7	2091.8	2064.0
40°	4105.3	4087.7	4022.0	3913.3	3675.9	3147.9	2624.9	2230.8	1983.2	1841.7	1808.9
42.5°	4292.3	4262.0	4155.9	4014.4	3645.5	2986.2	2405.1	2000.9	1717.9	1586.6	1579.0
45°	4517.1	4469.1	4310.0	4112.9	3579.9	2784.1	2172.7	1743.2	1472.9	1344.0	1311.2
47.5°	4782.4	4724.3	4489.4	4188.7	3451.0	2576.9	1922.6	1493.1	1245.5	1114.1	1088.9
50°	5075.5	5019.9	4678.8	4231.7	3312.1	2334.4	1677.5	1270.8	1023.2	914.5	914.5
52.5°	5431.7	5305.4	4860.7	4236.7	3099.9	2066.6	1442.6	1053.5	859.0	763.0	742.8
55°	5810.6	5661.6	5024.9	4191.2	2880.1	1821.5	1189.9	876.6	704.9	636.6	619.0
57.5°	6232.5	6005.2	5143.7	4100.3	2602.2	1553.7	992.9	722.5	593.7	538.1	530.5
60°	6657.0	6363.9	5214.4	3946.2	2306.6	1306.1	826.1	603.8	510.3	469.9	462.3
62.5°	7051.1	6657.0	5219.5	3721.3	2018.6	1088.9	677.1	520.4	452.2	421.9	421.9
65°	7392.1	6902.0	5133.6	3433.3	1652.2	874.1	558.3	439.6	394.1	361.3	353.7
67.5°	7558.9	6995.5	4982.0	3039.2	1323.8	692.2	469.9	381.5	338.5	288.0	283.0
70°	7323.9	6725.2	4592.9	2533.9	1023.2	550.7	391.6	325.9	283.0	240.0	235.0
72.5°	6573.6	6005.2	3963.9	1963.0	770.5	444.6	325.9	277.9	232.4	209.7	204.6
75°	5378.6	4994.6	3132.7	1351.6	538.1	348.6	272.8	235.0	197.1	187.0	184.4
77.5°	4082.6	3713.8	2288.9	846.3	368.8	272.8	232.4	199.6	171.8	179.4	174.3
80°	2725.9	2556.7	1520.9	480.0	247.6	199.6	176.8	146.5	131.4	151.6	146.5
82.5°	1237.9	1172.2	715.0	209.7	111.2	85.9	60.6	45.5	35.4	32.8	37.9
85°	207.2	181.9	50.5	22.7	12.6	7.6	5.1	5.1	2.5	2.5	2.5
87.5°	10.1	7.6	7.6	5.1	2.5	2.5	2.5	2.5	2.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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: SP1-2407-157-6

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-750-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-750-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

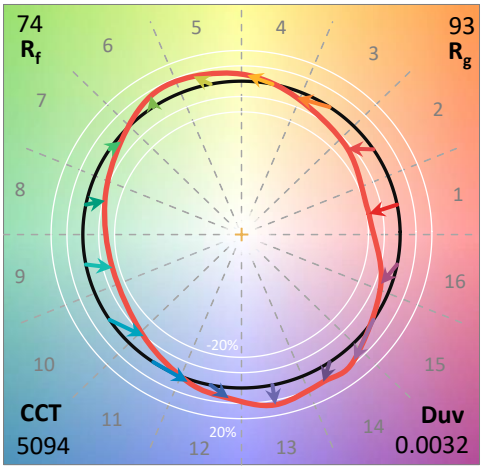
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-6
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-40-750-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	5094
CIE u':	0.2082
CIE v':	0.4867
Duv:	0.0032
CIE x:	0.3430
CIE y:	0.3564
CIE z:	0.3006
Peak Wavelength (nm):	451
Dominant Wavelength (nm):	568
Purity:	9.86439
Rf:	73.7
Rg:	93

CRI (Ra):	72.0
R1:	68.6
R2:	78.1
R3:	84.6
R4:	71.6
R5:	69.6
R6:	69.4
R7:	80.9
R8:	53.1
R9:	-39.6
R10:	47.6
R11:	68.2
R12:	41.4
R13:	70.4
R14:	91.4
R15:	61.4



Test Conditions

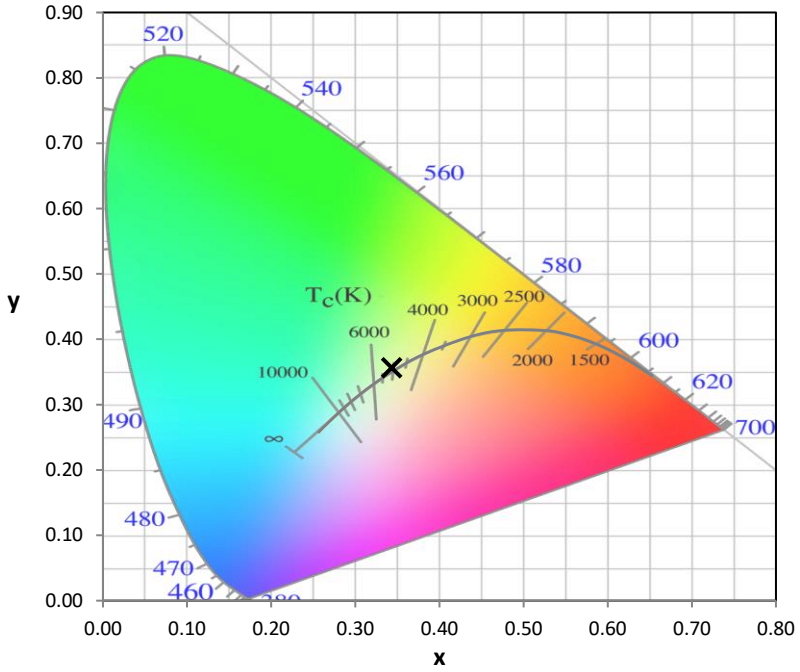
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

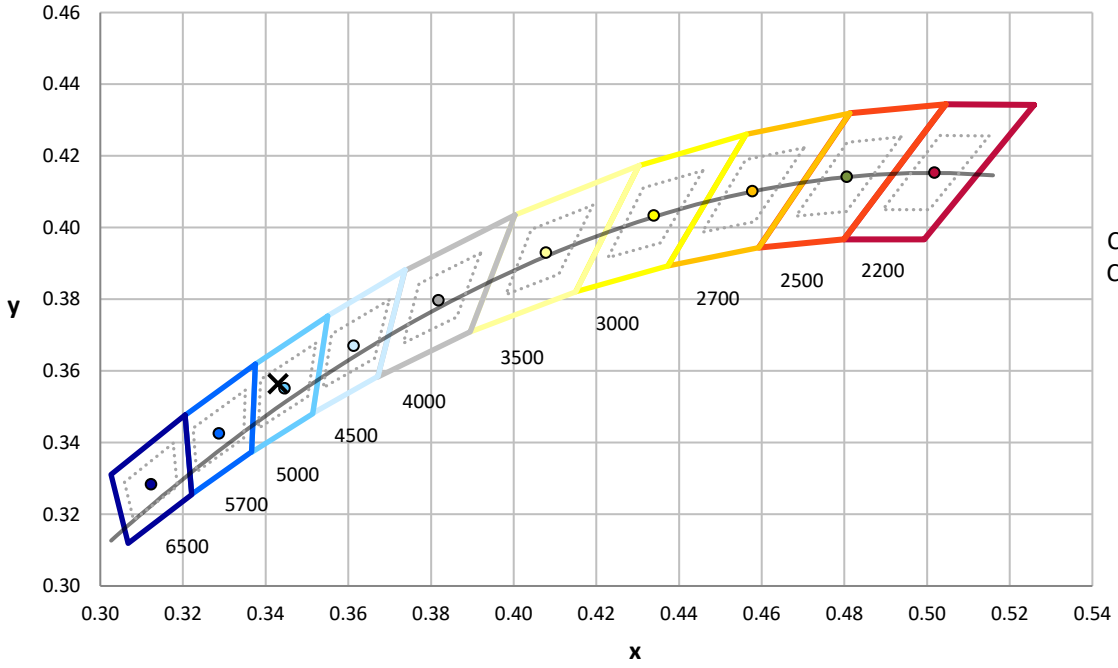
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-6

CIE 1931 Chromaticity Diagram



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

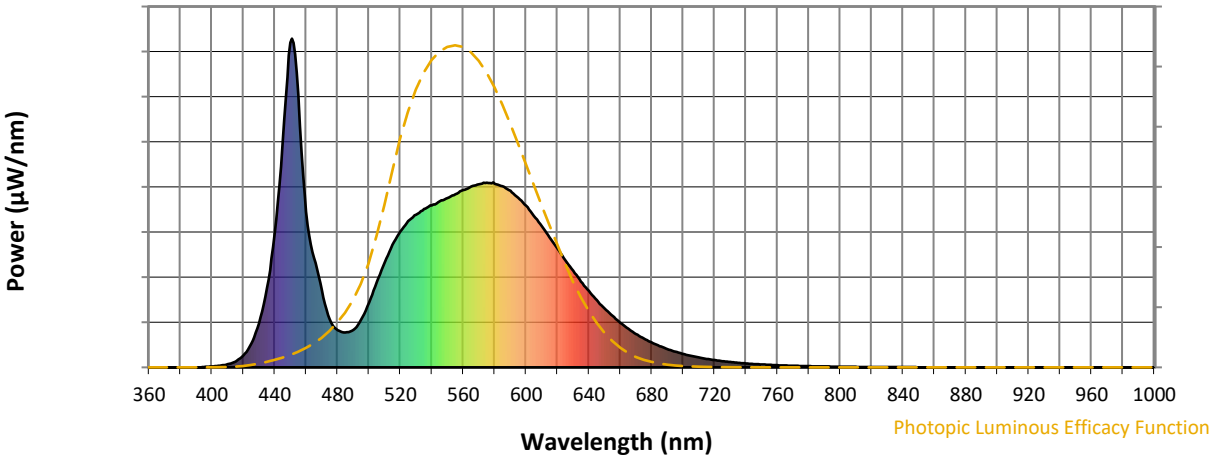


CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-6

Photopic Flux vs. Wavelength

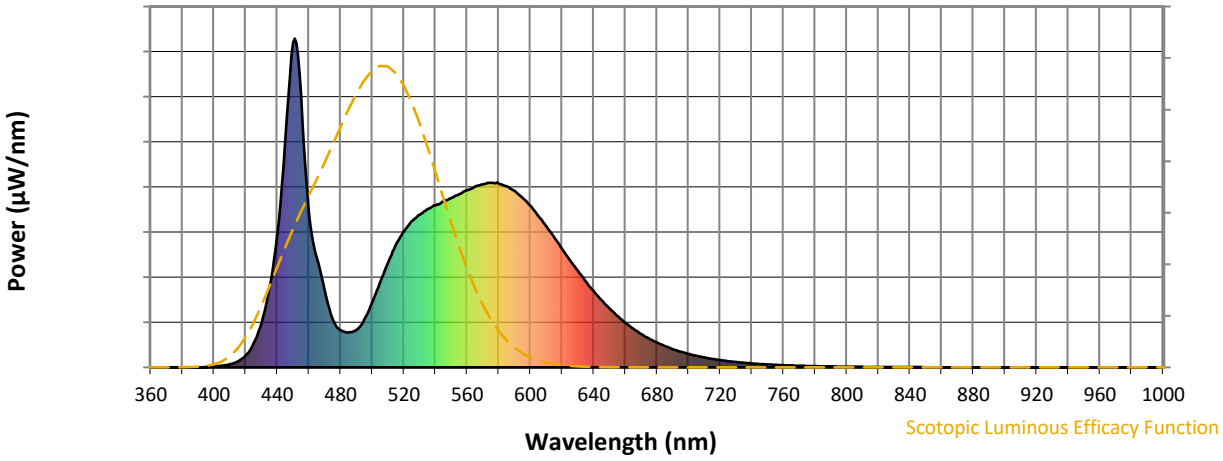


Photopic Lumens: NR

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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-6

Scotopic Flux vs. Wavelength

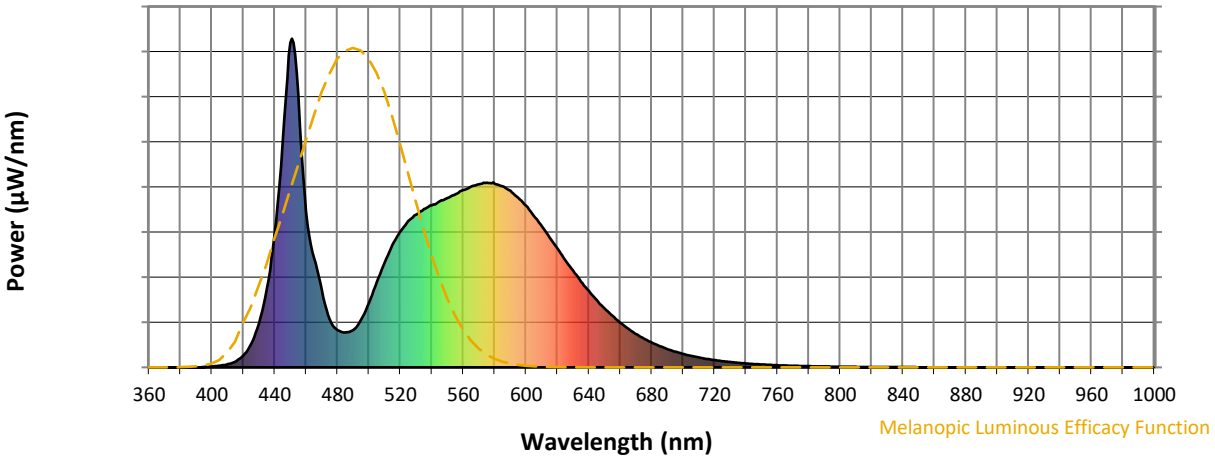


Scotopic Lumens: NR **S/P: 1.81**

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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.73**

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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

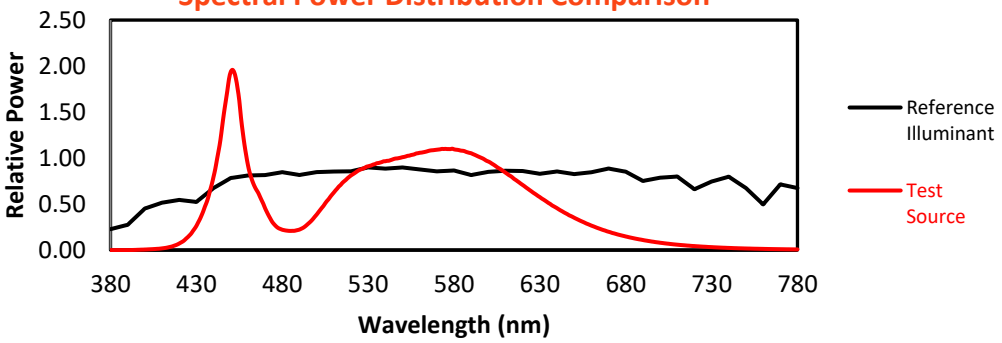
REPORT NUMBER: SP1-2407-157-6

TM-30-18

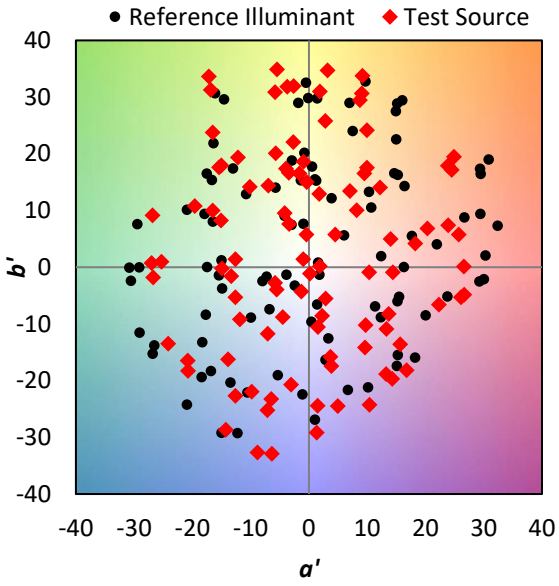
Summary

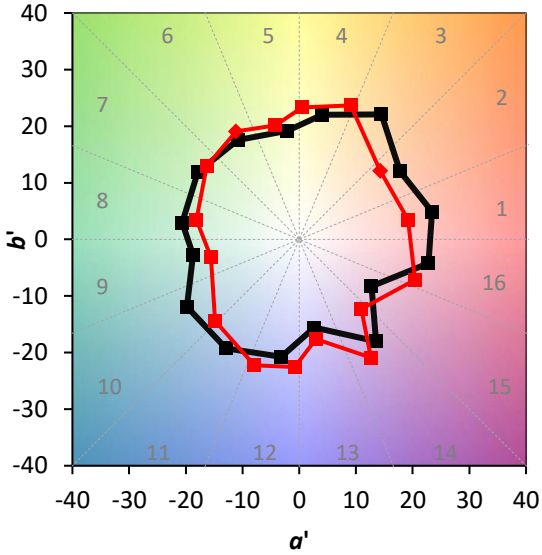
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

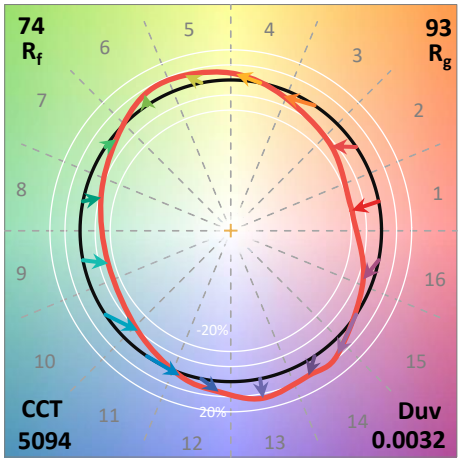
Spectral Power Distribution Comparison

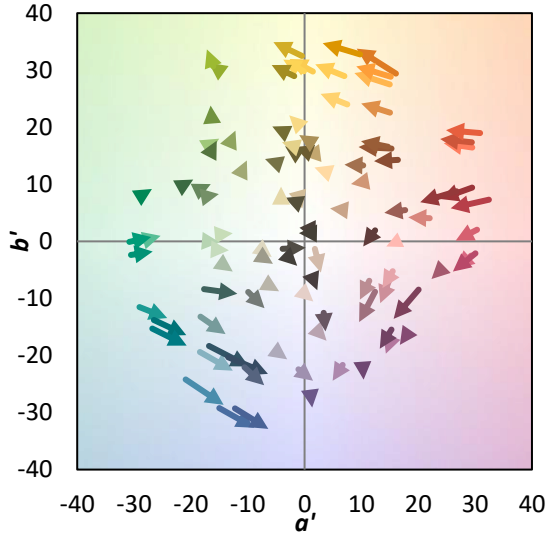


Color Vector Graphics







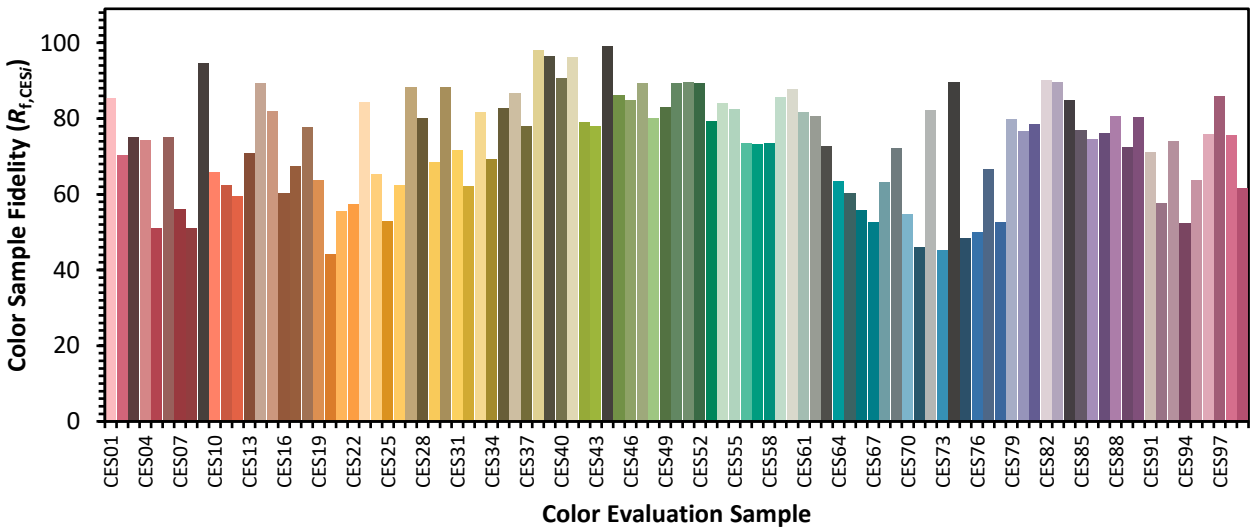


REPORT NUMBER: SP1-2407-157-6

TM-30-18

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

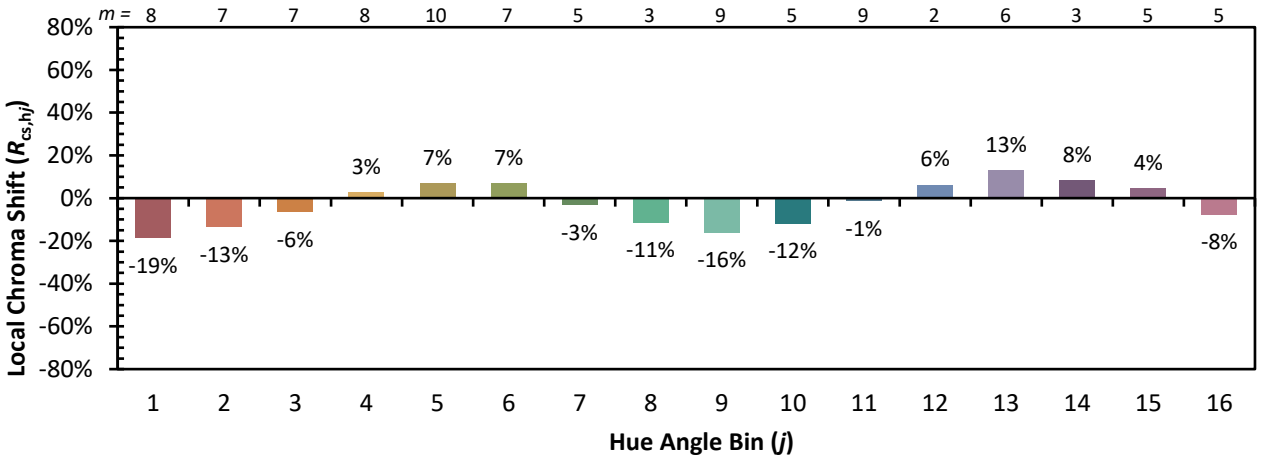
CES01 = 85	CES26 = 62	CES51 = 90	CES76 = 50
CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 79	CES78 = 53
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 78
CES07 = 38	CES32 = 62	CES57 = 73	CES82 = 90
CES08 = 38	CES33 = 82	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 69	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 77
CES11 = 56	CES36 = 87	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 76
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 91	CES65 = 60	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 79	CES67 = 53	CES92 = 58
CES18 = 55	CES43 = 78	CES68 = 63	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 52
CES20 = 63	CES45 = 86	CES70 = 55	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 46	CES96 = 76
CES22 = 77	CES47 = 89	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 45	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 48	

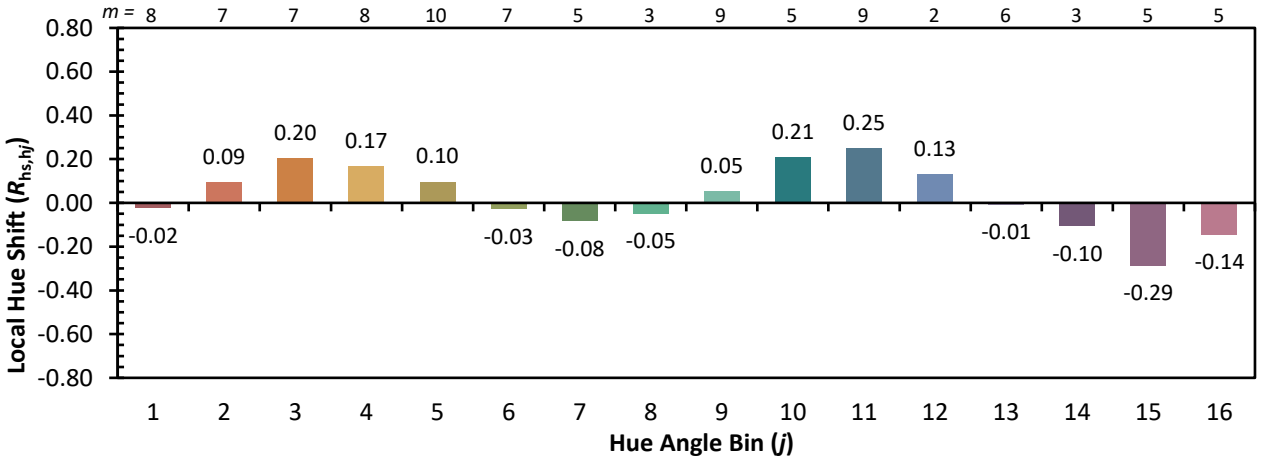


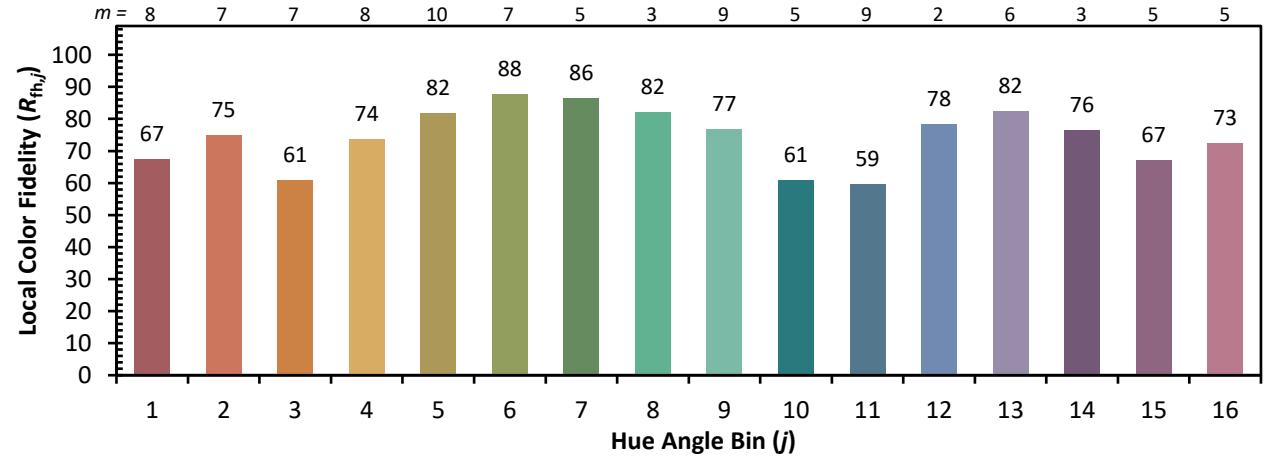
REPORT NUMBER: SP1-2407-157-6

TM-30-18

Color Rendition by Hue-Angle Bin



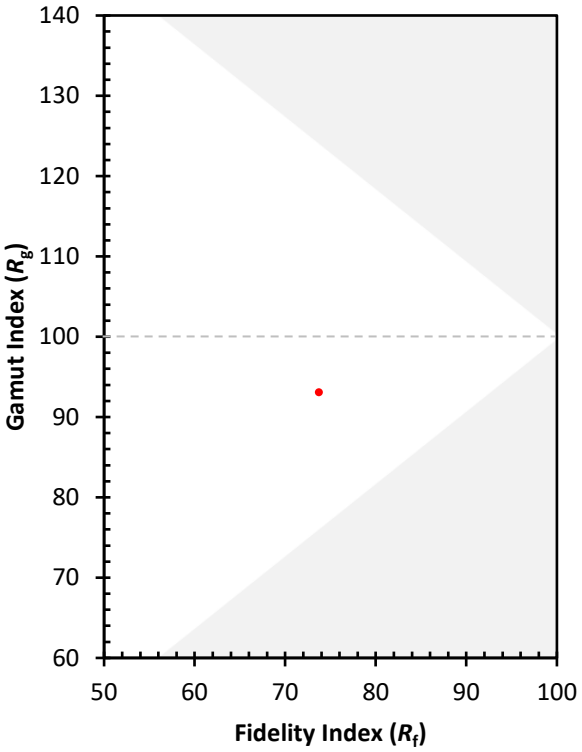


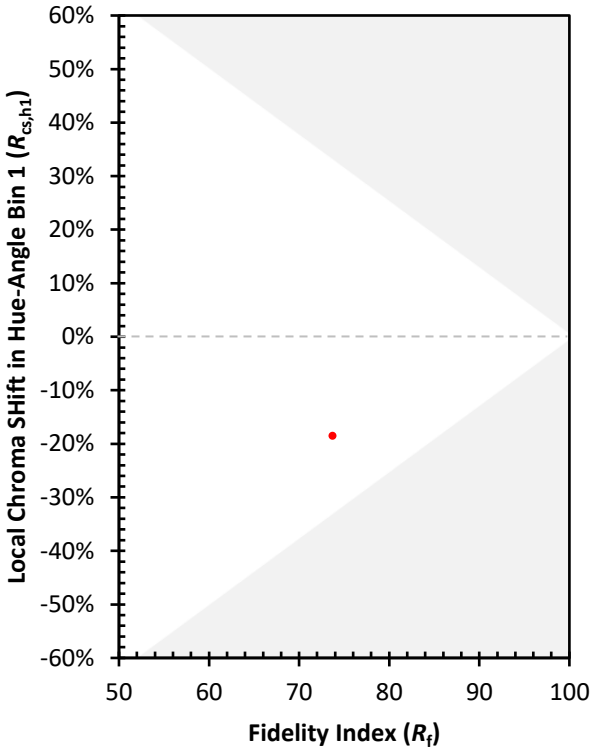


REPORT NUMBER: SP1-2407-157-6

TM-30-18

Measure Comparisons





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