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: P868794

Luminaire Tested: **EMM2-HSN-SA3B-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:	P868794
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-SA3B-750-U-T1
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 150W 70CRI 5000K FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC
Light Source:	(30) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19547.3 lumens
Efficiency:	N/A
Efficacy:	145.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G4

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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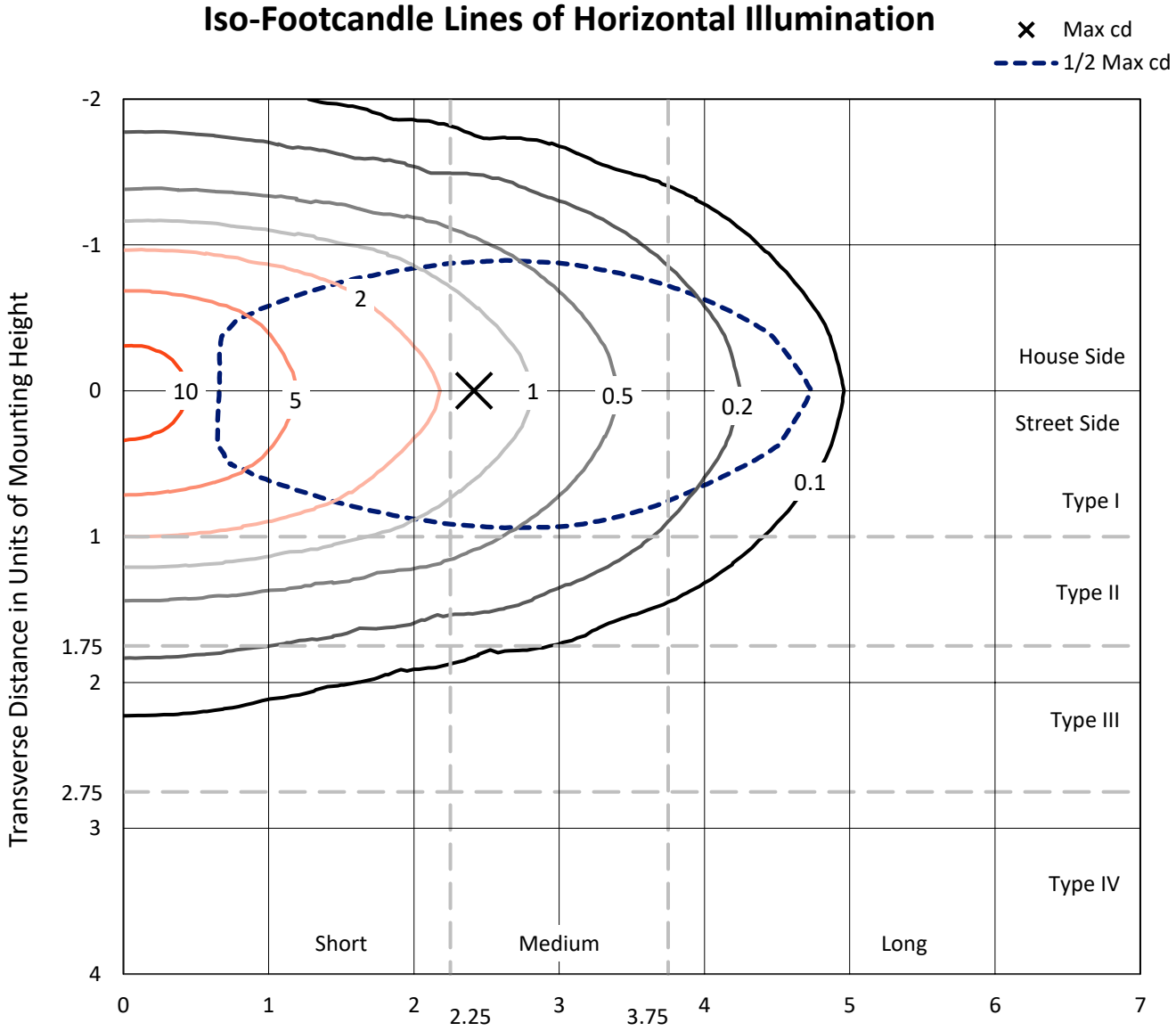
Scaled Data Report

REPORT NUMBER: P868794
CATALOG NUMBER: EMM2-HSN-SA3B-750-U-T1

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 11.9 fc
Type I - Short - N/A

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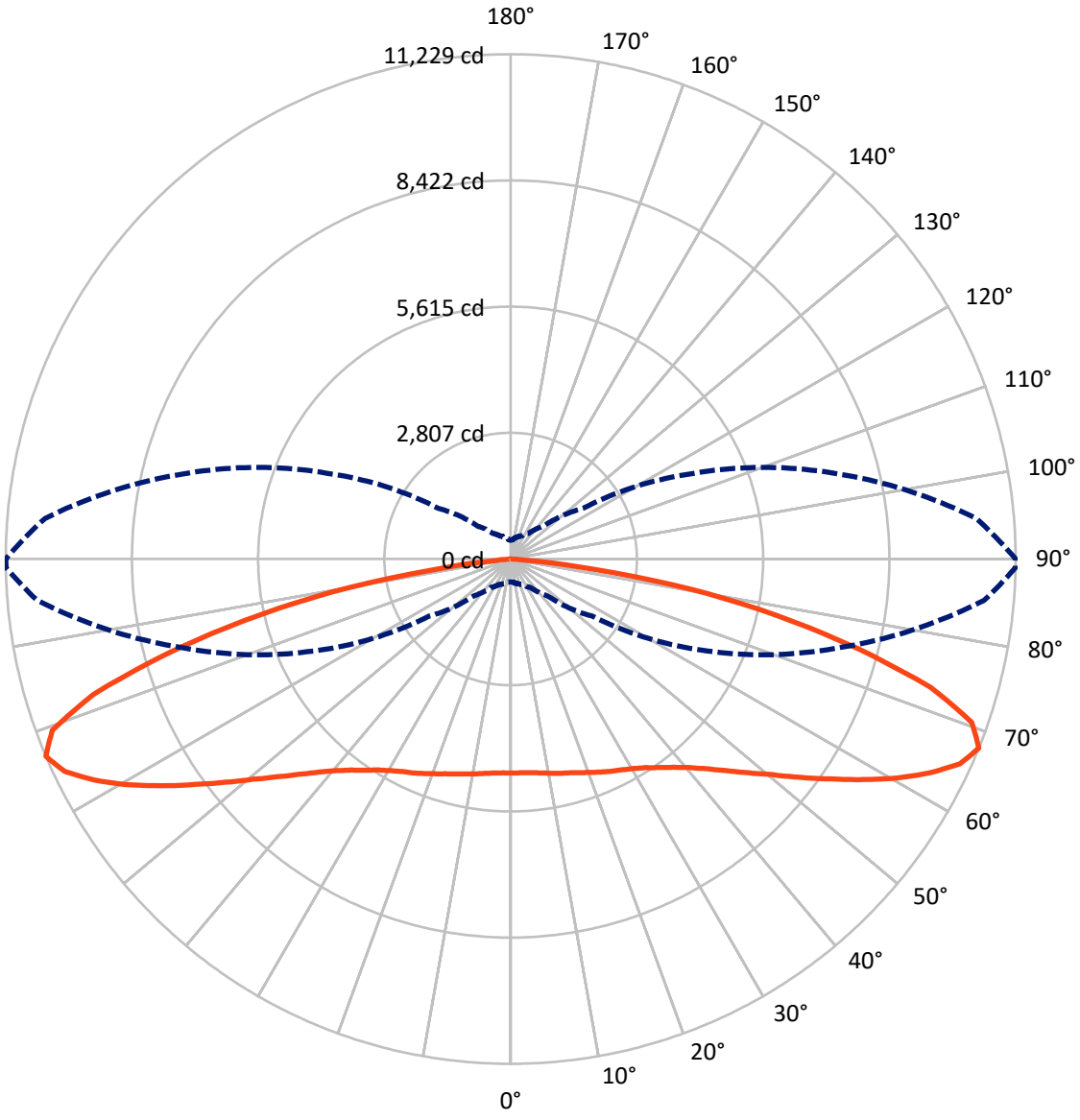
Luminous Intensity Polar Plot



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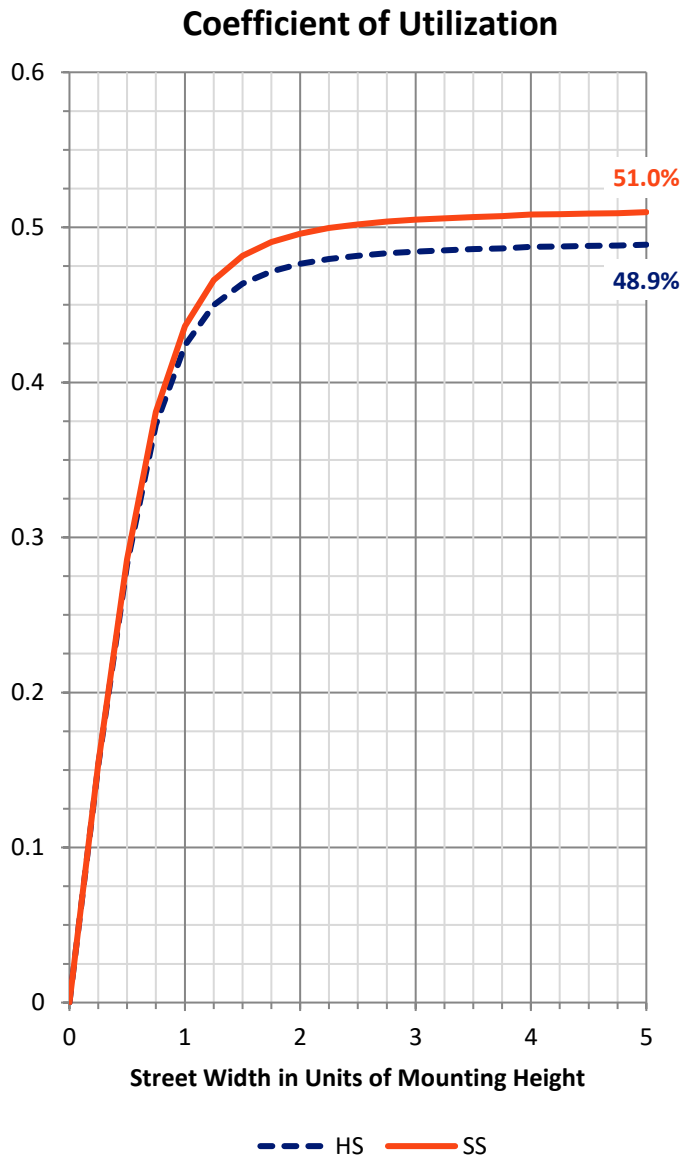
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9600.1	0.0	9600.1
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	9947.2	0.0	9947.2
	% Fixture	50.9	0.0	50.9
Total	Lumens	19547.3	0.0	19547.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.5	2.3
10°-20°	1371.7	7.0
20°-30°	2270.0	11.6
30°-40°	3010.0	15.4
40°-50°	3393.8	17.4
50°-60°	3479.1	17.8
60°-70°	3286.0	16.8
70°-80°	2016.3	10.3
80°-90°	263.8	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°	19547.3	100.0
0°-180°	19547.3	100.0



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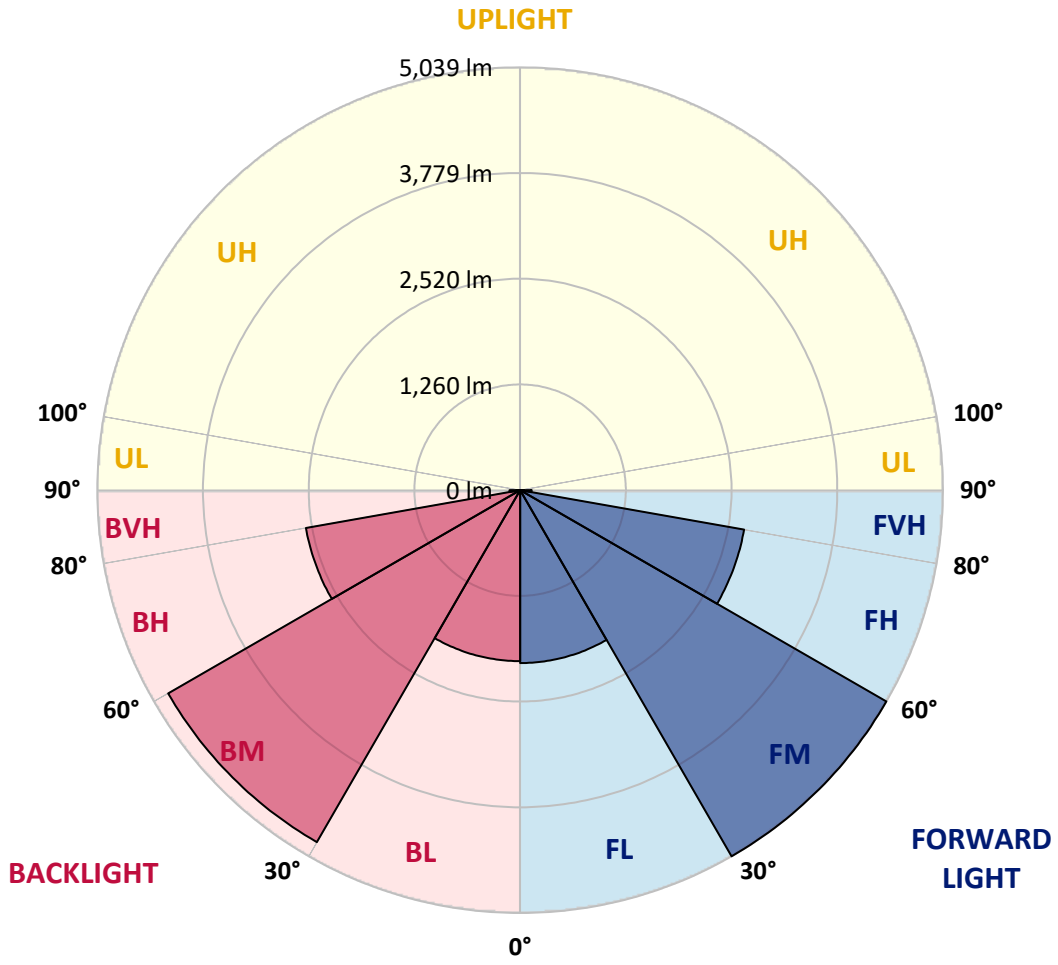
REPORT NUMBER: P868794
CATALOG NUMBER: EMM2-HSN-SA3B-750-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2060.8	10.5			
FM	(30°-60°)	5039.0	25.8			
FH	(60°-80°)	2709.9	13.9			G2/5000
FVH	(80°-90°)	137.4	0.7			G2/225
BL	(0°-30°)	2037.3	10.4	B3/2500		
BM	(30°-60°)	4844.0	24.8	B3/5000		
BH	(60°-80°)	2592.4	13.3	B4/5000		G4/5000
BVH	(80°-90°)	126.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type I Short



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REPORT NUMBER: P868794
CATALOG NUMBER: EMM2-HSN-SA3B-750-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6
2.5°	4781.4	4781.4	4770.2	4751.4	4747.6	4751.4	4773.9	4762.6	4762.6	4766.4	4762.6
5°	4781.4	4781.4	4773.9	4755.1	4755.1	4755.1	4781.4	4770.2	4773.9	4777.7	4777.7
7.5°	4788.9	4788.9	4781.4	4766.4	4766.4	4766.4	4803.9	4796.4	4796.4	4807.7	4800.2
10°	4807.7	4800.2	4792.7	4796.4	4785.2	4803.9	4822.7	4826.5	4841.5	4849.0	4845.2
12.5°	4807.7	4800.2	4781.4	4803.9	4803.9	4830.2	4856.5	4871.5	4890.3	4890.3	4890.3
15°	4785.2	4777.7	4762.6	4800.2	4815.2	4849.0	4886.5	4909.0	4942.8	4942.8	4939.0
17.5°	4758.9	4747.6	4740.1	4796.4	4830.2	4875.2	4931.5	4961.6	4999.1	5002.8	4995.3
20°	4710.1	4706.4	4710.1	4785.2	4845.2	4909.0	4976.6	5017.9	5066.6	5081.7	5070.4
22.5°	4657.6	4657.6	4672.6	4773.9	4867.7	4954.1	5044.1	5096.7	5145.5	5160.5	5145.5
25°	4586.3	4586.3	4616.3	4736.4	4875.2	5002.8	5107.9	5179.2	5224.3	5239.3	5231.8
27.5°	4477.4	4477.4	4511.2	4661.3	4852.7	5040.4	5175.5	5258.1	5306.8	5321.9	5314.4
30°	4323.5	4316.0	4361.1	4548.7	4811.4	5081.7	5254.3	5340.6	5404.4	5415.7	5404.4
32.5°	4079.6	4090.8	4158.4	4394.8	4743.9	5107.9	5348.1	5449.5	5520.8	5543.3	5535.8
35°	3783.1	3801.9	3895.7	4199.7	4616.3	5104.2	5445.7	5569.6	5663.4	5693.4	5689.7
37.5°	3430.3	3456.6	3572.9	3929.5	4424.9	5047.9	5535.8	5704.7	5828.5	5866.1	5873.6
40°	3043.7	3070.0	3220.1	3614.2	4165.9	4916.5	5588.3	5858.5	6023.7	6098.7	6110.0
42.5°	2634.7	2679.7	2859.8	3242.7	3854.4	4706.4	5588.3	6008.7	6211.3	6350.2	6361.5
45°	2240.6	2278.1	2495.8	2871.1	3520.4	4436.1	5524.5	6158.8	6466.5	6706.7	6699.2
47.5°	1899.1	1910.3	2109.2	2488.3	3148.8	4128.4	5393.2	6293.9	6736.8	7055.8	7123.3
50°	1546.3	1572.5	1741.4	2116.7	2769.8	3790.6	5171.7	6380.2	7014.5	7498.6	7585.0
52.5°	1298.6	1302.3	1429.9	1775.2	2375.7	3381.5	4905.3	6402.7	7281.0	7979.0	8084.1
55°	1058.4	1077.1	1186.0	1444.9	1996.6	2979.9	4560.0	6369.0	7524.9	8444.4	8639.6
57.5°	908.2	912.0	990.8	1197.2	1685.1	2552.1	4177.2	6256.4	7727.6	8958.6	9206.3
60°	780.6	780.6	840.7	998.3	1362.4	2135.5	3726.8	6057.5	7840.2	9510.3	9870.6
62.5°	679.3	683.1	735.6	851.9	1133.4	1763.9	3231.4	5746.0	7881.5	10043.2	10456.1
65°	615.5	619.3	649.3	728.1	934.5	1433.7	2724.7	5366.9	7825.2	10441.0	10977.7
67.5°	*510.4*	*514.2*	*566.7*	*626.8*	*776.9*	*1152.2*	*2214.3*	*4841.5*	*7596.2*	*10564.9*	*11221.7*
70°	390.3	401.6	472.9	536.7	645.5	919.5	1700.1	4147.1	7048.3	10144.6	10820.1
72.5°	326.5	330.3	382.8	454.1	540.4	720.6	1291.1	3265.2	6215.1	9059.9	9810.5
75°	285.2	289.0	319.0	382.8	450.4	578.0	897.0	2255.6	4957.8	7326.0	8012.8
77.5°	259.0	262.7	270.2	322.8	379.1	446.6	634.3	1339.8	3497.9	5599.6	5959.9
80°	247.7	247.7	228.9	266.5	311.5	349.0	424.1	769.4	2244.3	3775.6	4064.6
82.5°	176.4	172.6	157.6	165.1	191.4	191.4	217.7	319.0	859.5	1595.1	1730.2
85°	11.3	11.3	18.8	22.5	33.8	45.0	56.3	75.1	217.7	296.5	307.8
87.5°	3.8	3.8	3.8	3.8	3.8	7.5	7.5	7.5	11.3	15.0	15.0
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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Scaled Data Report

REPORT NUMBER: P868794
CATALOG NUMBER: EMM2-HSN-SA3B-750-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6	4762.6
2.5°	4758.9	4762.6	4762.6	4770.2	4777.7	4773.9	4770.2	4777.7	4766.4	4743.9	4740.1
5°	4773.9	4773.9	4770.2	4777.7	4785.2	4777.7	4770.2	4770.2	4762.6	4740.1	4736.4
7.5°	4803.9	4800.2	4800.2	4800.2	4800.2	4788.9	4777.7	4770.2	4758.9	4736.4	4725.1
10°	4845.2	4841.5	4837.7	4834.0	4815.2	4803.9	4785.2	4773.9	4758.9	4732.6	4725.1
12.5°	4890.3	4882.7	4875.2	4879.0	4841.5	4807.7	4788.9	4762.6	4751.4	4691.3	4680.1
15°	4935.3	4924.0	4920.3	4905.3	4867.7	4818.9	4781.4	4743.9	4706.4	4650.1	4631.3
17.5°	4995.3	4987.8	4965.3	4950.3	4897.8	4830.2	4773.9	4721.4	4672.6	4605.0	4593.8
20°	5066.6	5059.1	5036.6	5006.6	4939.0	4856.5	4777.7	4695.1	4635.0	4556.2	4537.5
22.5°	5145.5	5134.2	5115.4	5081.7	4995.3	4897.8	4788.9	4680.1	4590.0	4499.9	4488.7
25°	5228.0	5220.5	5201.8	5153.0	5059.1	4939.0	4788.9	4627.5	4514.9	4436.1	4402.4
27.5°	5306.8	5303.1	5280.6	5224.3	5126.7	4969.1	4755.1	4541.2	4391.1	4286.0	4263.5
30°	5408.2	5400.7	5374.4	5310.6	5201.8	4987.8	4687.6	4394.8	4207.2	4090.8	4057.1
32.5°	5532.0	5524.5	5487.0	5408.2	5291.8	4991.6	4590.0	4207.2	3959.5	3835.6	3794.4
35°	5697.2	5682.2	5633.4	5539.5	5378.2	4954.1	4417.4	3967.0	3663.0	3501.6	3445.3
37.5°	5877.3	5858.5	5794.7	5678.4	5438.2	4852.7	4173.4	3644.2	3299.0	3107.5	3066.3
40°	6098.7	6072.5	5974.9	5813.5	5460.7	4676.3	3899.4	3314.0	2946.2	2736.0	2687.2
42.5°	6376.5	6331.4	6173.8	5963.6	5415.7	4436.1	3572.9	2972.4	2552.1	2356.9	2345.7
45°	6710.5	6639.2	6402.7	6110.0	5318.1	4135.9	3227.6	2589.6	2188.0	1996.6	1947.8
47.5°	7104.6	7018.2	6669.2	6222.6	5126.7	3828.1	2856.1	2218.1	1850.3	1655.1	1617.6
50°	7539.9	7457.4	6950.7	6286.4	4920.3	3467.8	2492.0	1887.8	1520.0	1358.6	1358.6
52.5°	8069.1	7881.5	7220.9	6293.9	4605.0	3070.0	2143.0	1565.0	1276.0	1133.4	1103.4
55°	8632.1	8410.6	7464.9	6226.3	4278.5	2706.0	1767.7	1302.3	1047.1	945.8	919.5
57.5°	9258.8	8921.1	7641.3	6091.2	3865.7	2308.1	1475.0	1073.4	882.0	799.4	788.1
60°	9889.3	9454.0	7746.3	5862.3	3426.6	1940.3	1227.3	897.0	758.1	698.1	686.8
62.5°	10474.8	9889.3	7753.8	5528.3	2998.7	1617.6	1005.8	773.1	671.8	626.8	626.8
65°	10981.5	10253.4	7626.2	5100.4	2454.5	1298.6	829.4	653.0	585.5	536.7	525.4
67.5°	11229.2	10392.3	7401.1	4514.9	1966.6	1028.3	698.1	566.7	502.9	427.9	420.3
70°	10880.2	9990.7	6823.1	3764.3	1520.0	818.2	581.7	484.1	420.3	356.5	349.0
72.5°	9765.5	8921.1	5888.6	2916.1	1144.7	660.5	484.1	412.8	345.3	311.5	304.0
75°	7990.3	7419.8	4653.8	2007.9	799.4	517.9	405.3	349.0	292.7	277.7	274.0
77.5°	6065.0	5517.0	3400.3	1257.3	547.9	405.3	345.3	296.5	255.2	266.5	259.0
80°	4049.6	3798.1	2259.3	713.1	367.8	296.5	262.7	217.7	195.2	225.2	217.7
82.5°	1839.0	1741.4	1062.1	311.5	165.1	127.6	90.1	67.6	52.5	48.8	56.3
85°	307.8	270.2	75.1	33.8	18.8	11.3	7.5	7.5	3.8	3.8	3.8
87.5°	15.0	11.3	11.3	7.5	3.8	3.8	3.8	3.8	3.8	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

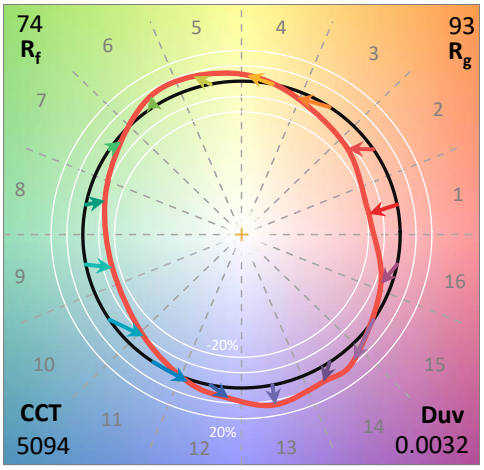
Test Information

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

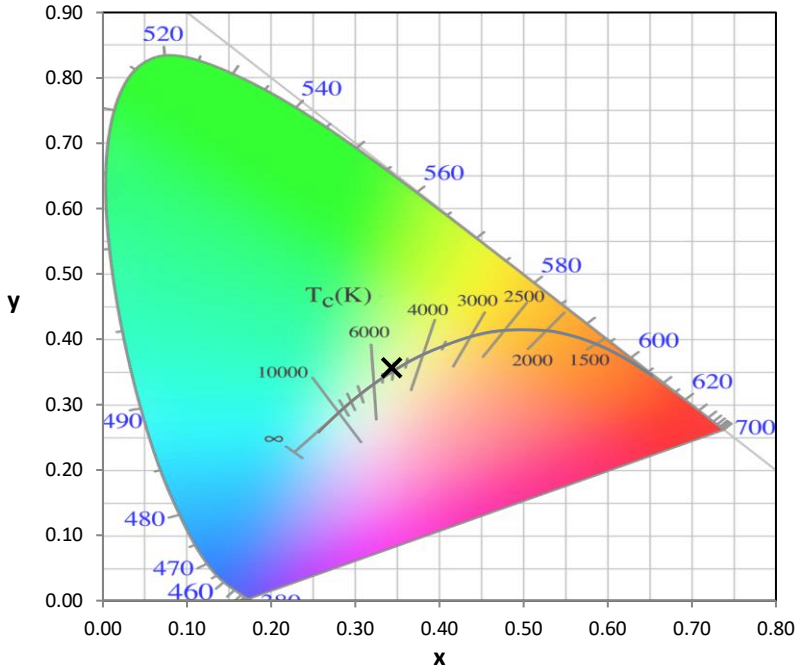
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

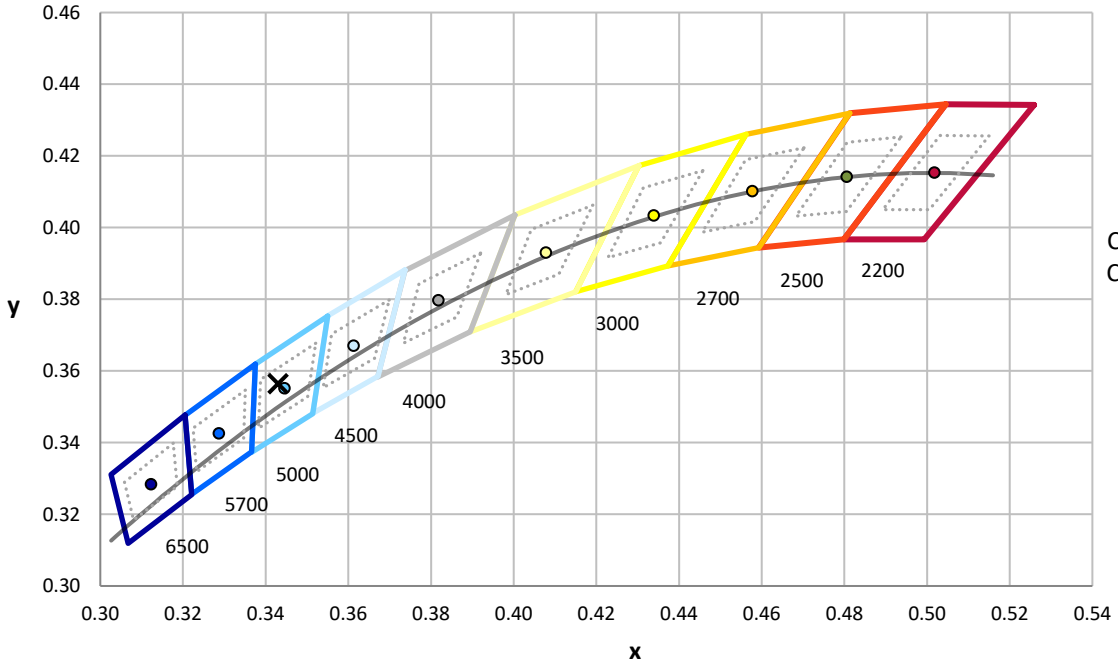
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

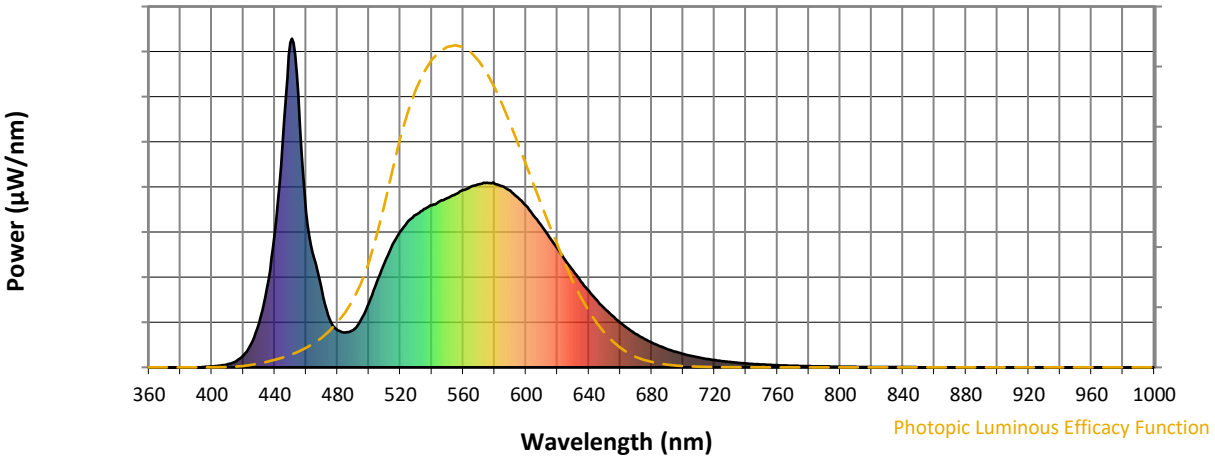


CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-6

Photopic Flux vs. Wavelength

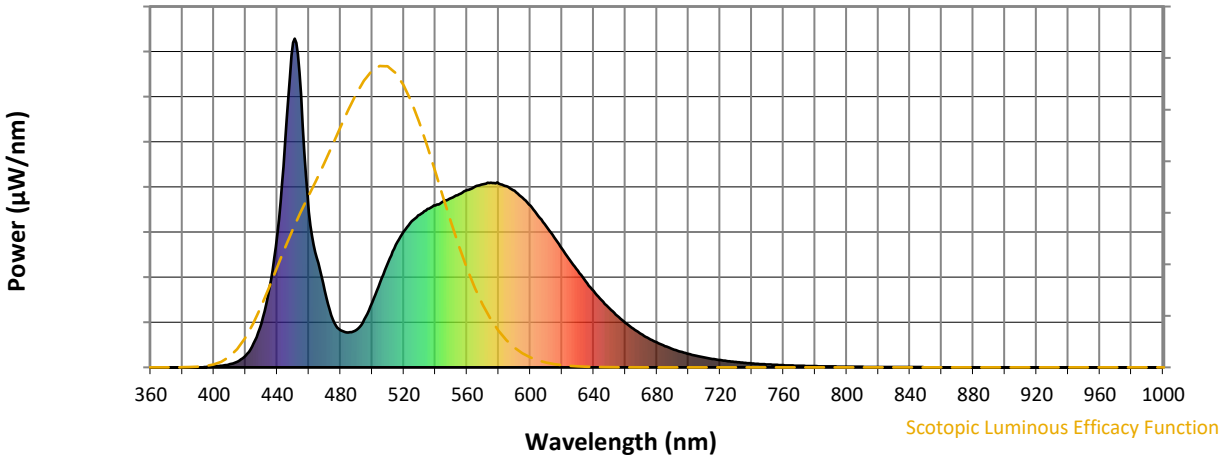


Photopic Lumens: NR

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

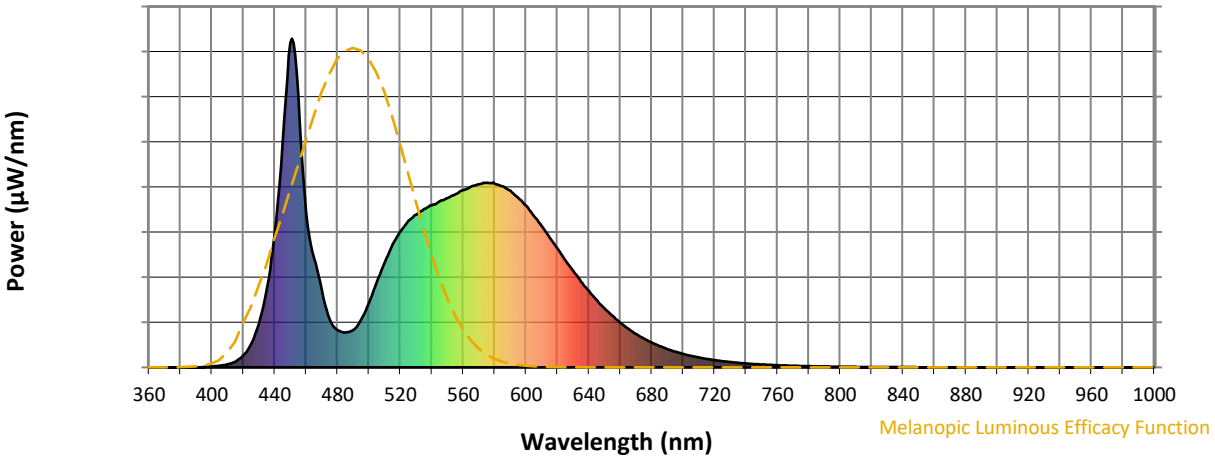


Scotopic Lumens: NR **S/P: 1.81**

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			

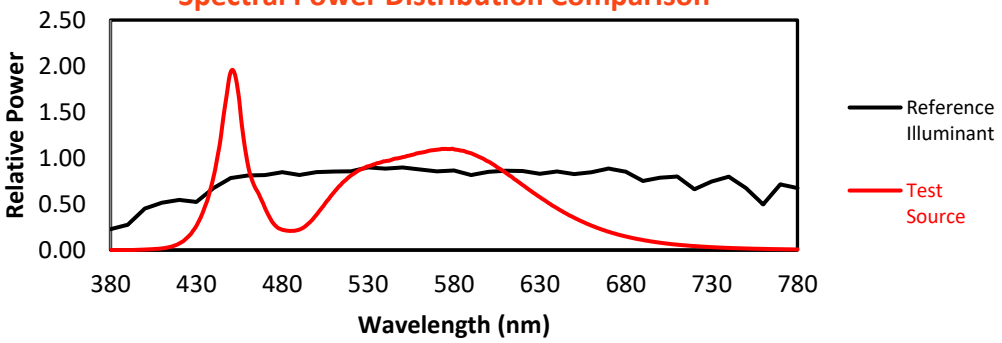
REPORT NUMBER: SP1-2407-157-6

TM-30-18

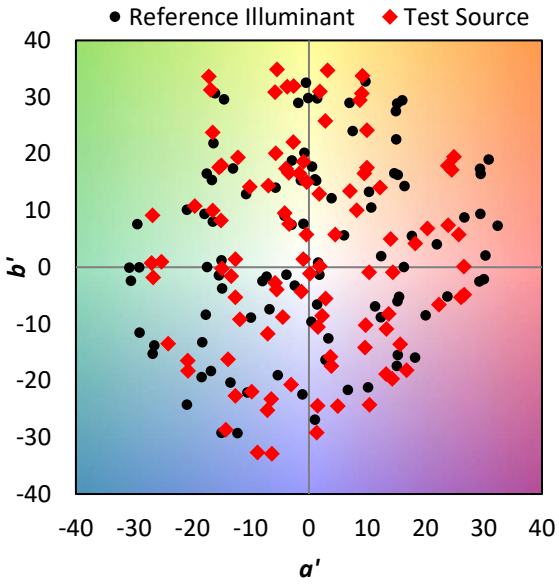
Summary

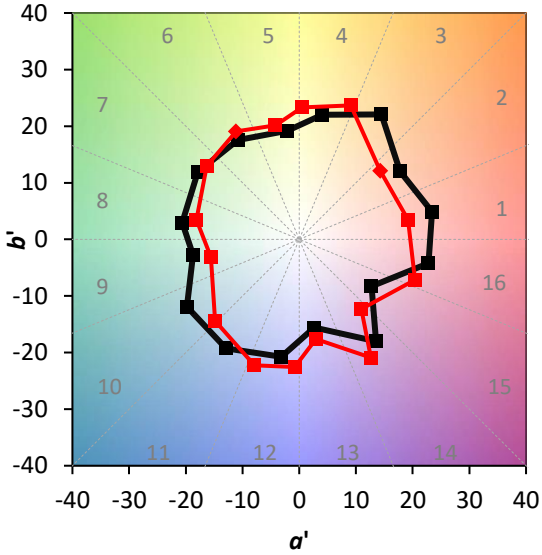
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

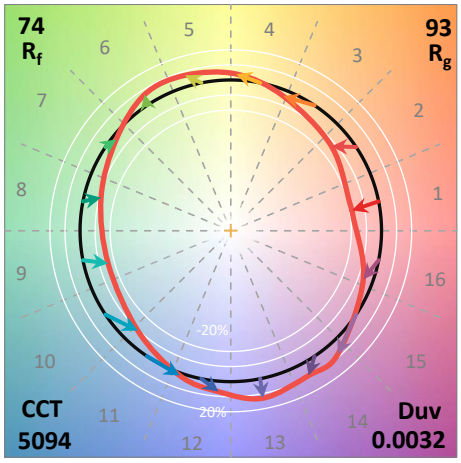
Spectral Power Distribution Comparison

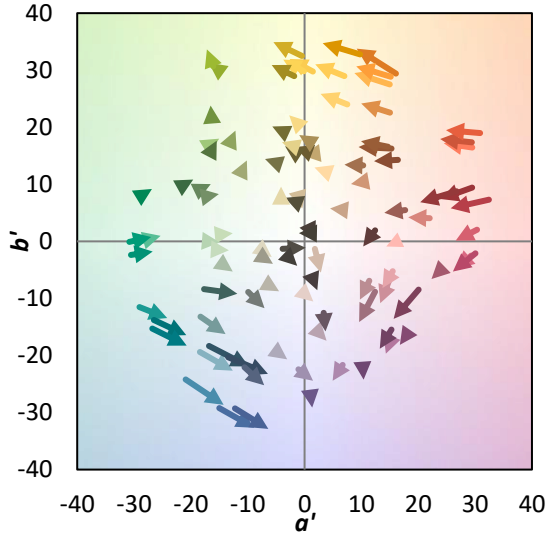


Color Vector Graphics







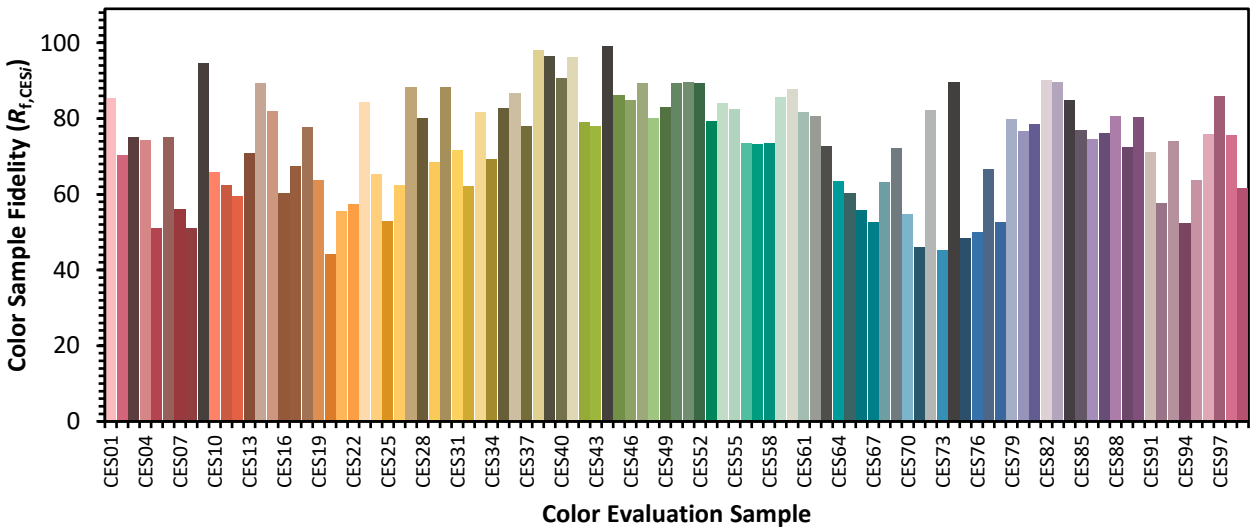


REPORT NUMBER: SP1-2407-157-6

TM-30-18

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

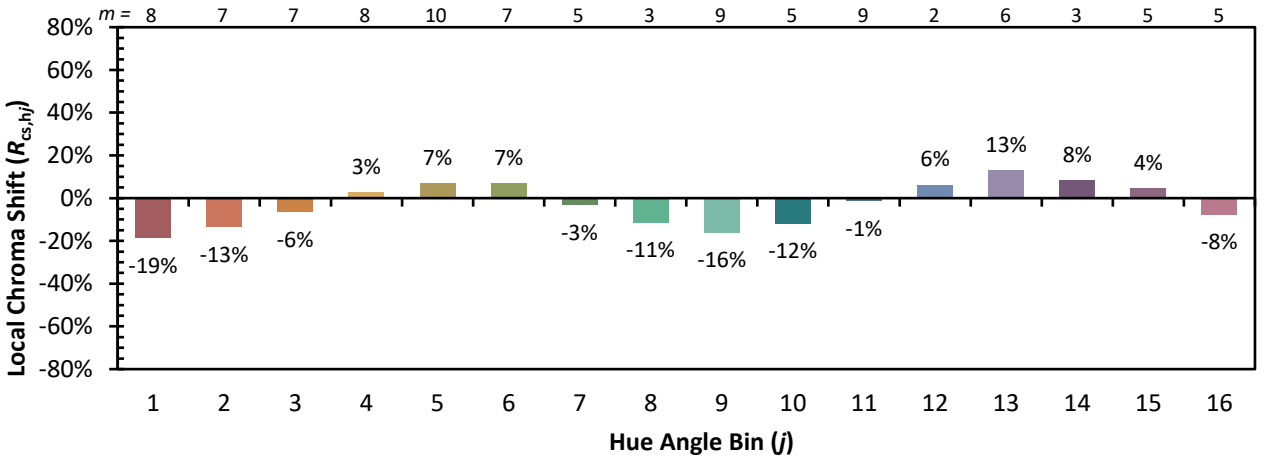
CES01 = 85	CES26 = 62	CES51 = 90	CES76 = 50
CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 79	CES78 = 53
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 78
CES07 = 38	CES32 = 62	CES57 = 73	CES82 = 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	

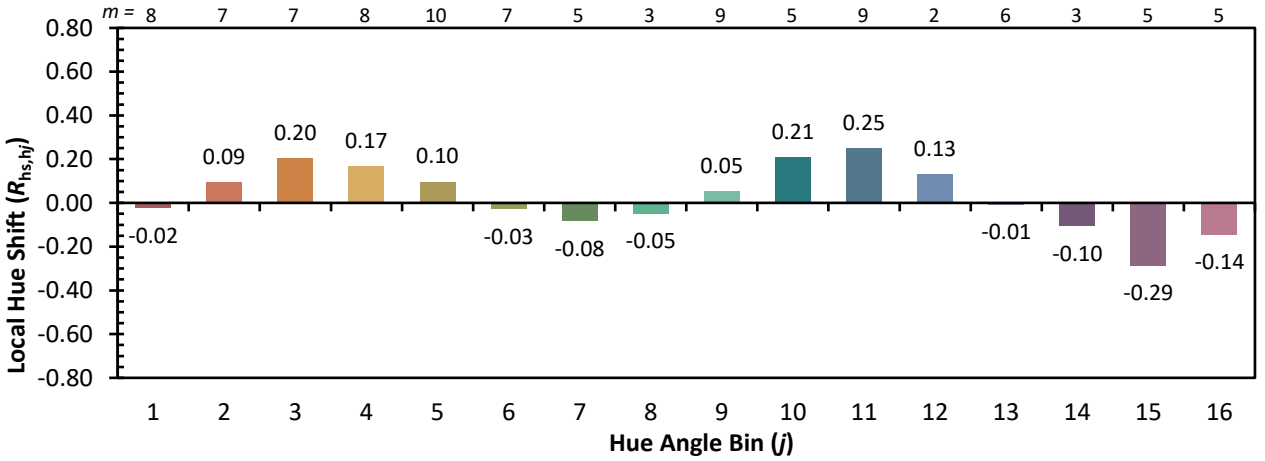


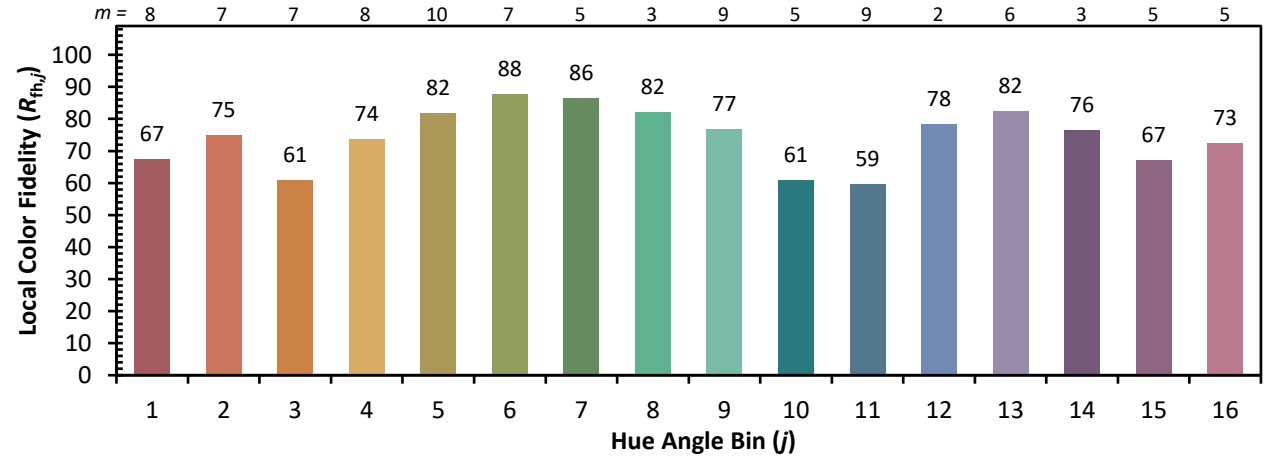
REPORT NUMBER: SP1-2407-157-6

TM-30-18

Color Rendition by Hue-Angle Bin



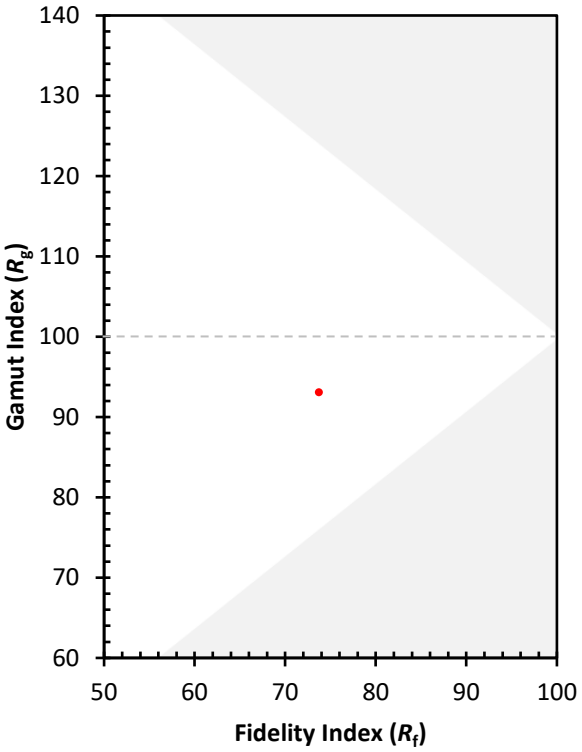


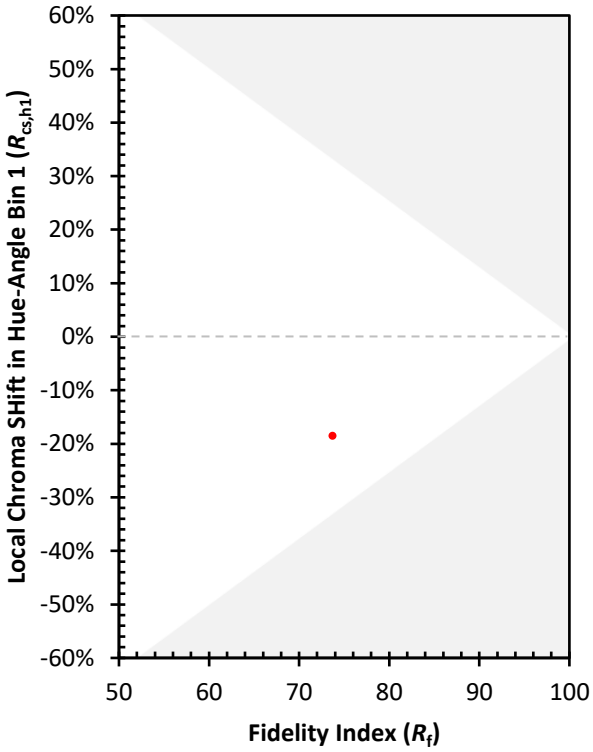


REPORT NUMBER: SP1-2407-157-6

TM-30-18

Measure Comparisons





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