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: STREETWORKS

Report Number: P867461

Luminaire Tested: **MEM2-HTN-SA-110-750-U-T1**

Issue Date: 08/21/2024

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:	P867461
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-SA-110-750-U-T1
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 110W 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:	17297.2 lumens
Efficiency:	N/A
Efficacy:	153.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G3

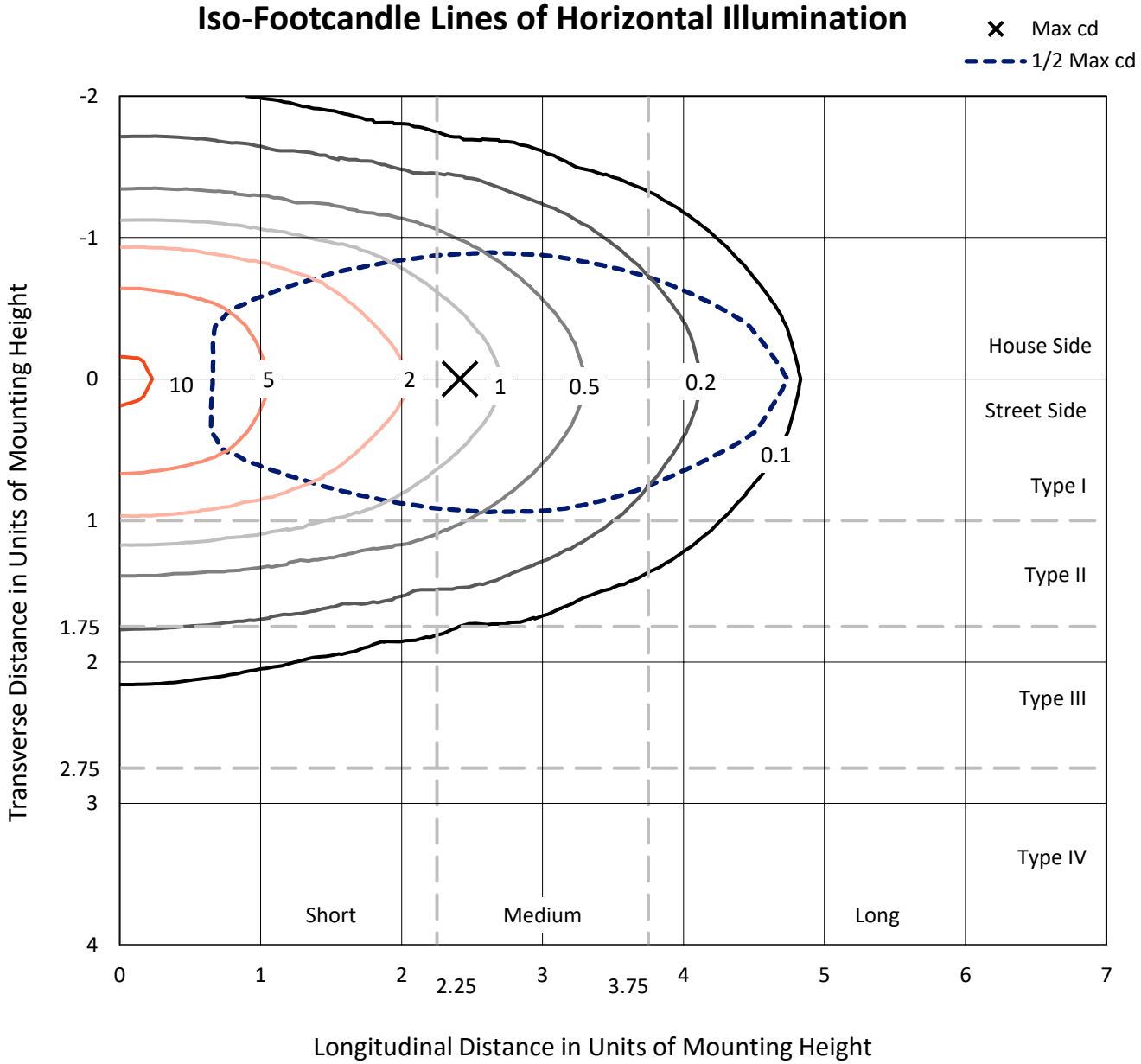
Input Watts (W):	113
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	7.77%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P867461
CATALOG NUMBER: MEM2-HTN-SA-110-750-U-T1

Iso-Footcandle Lines of Horizontal Illumination



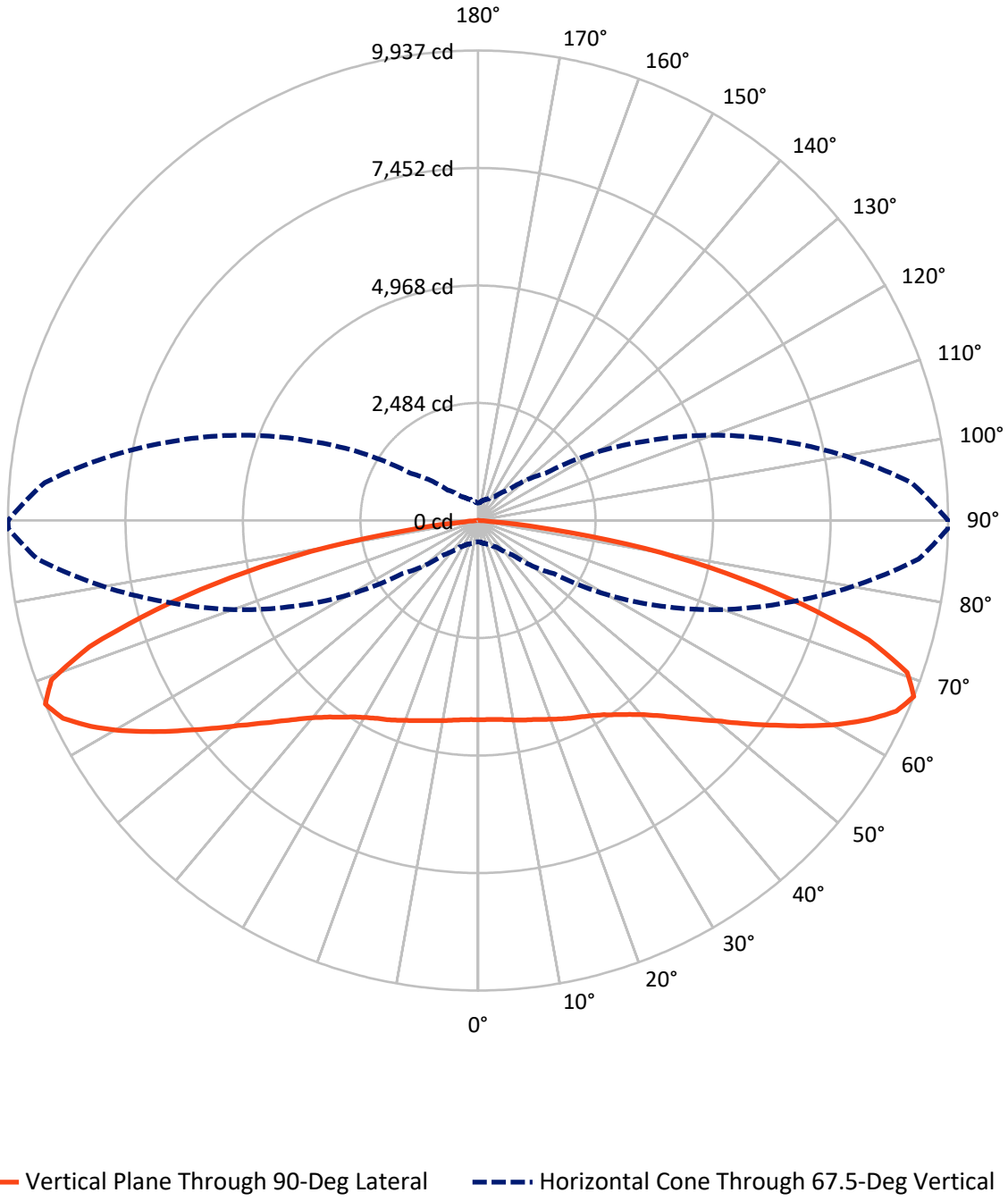
Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
Type I - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P867461
CATALOG NUMBER: MEM2-HTN-SA-110-750-U-T1

Luminous Intensity Polar Plot



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

Scaled Data Report

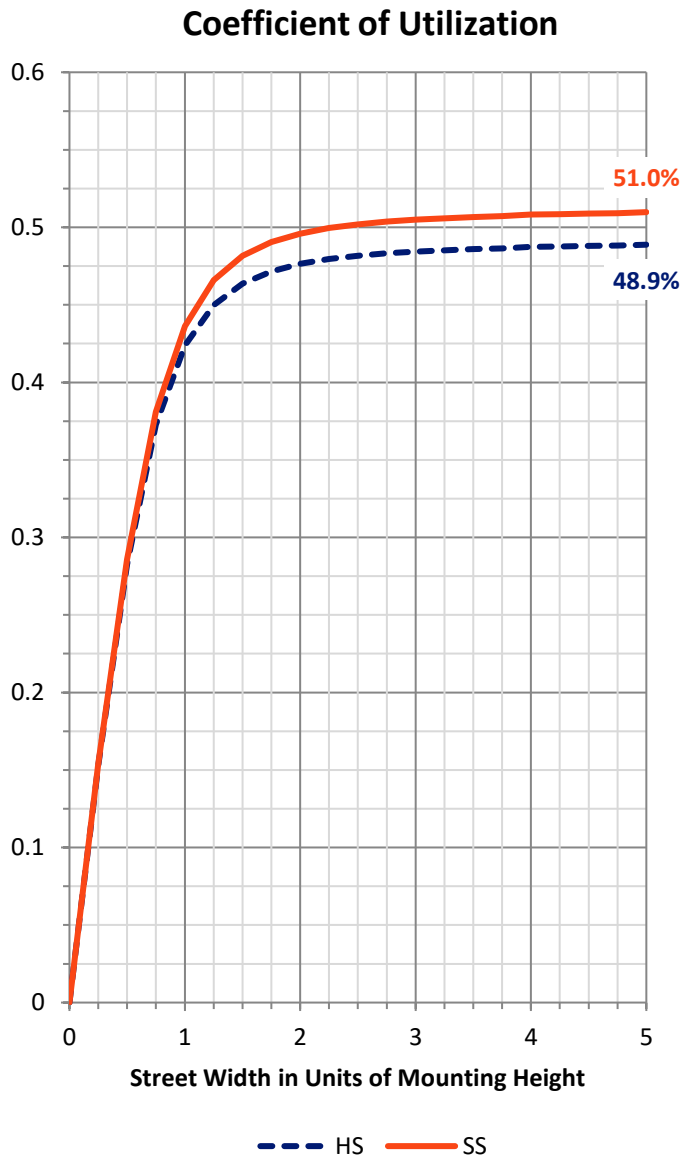
REPORT NUMBER: P867461
CATALOG NUMBER: MEM2-HTN-SA-110-750-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8495.0	0.0	8495.0
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	8802.2	0.0	8802.2
	% Fixture	50.9	0.0	50.9
Total	Lumens	17297.2	0.0	17297.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.9	2.3
10°-20°	1213.8	7.0
20°-30°	2008.7	11.6
30°-40°	2663.6	15.4
40°-50°	3003.1	17.4
50°-60°	3078.7	17.8
60°-70°	2907.8	16.8
70°-80°	1784.2	10.3
80°-90°	233.4	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°	17297.2	100.0
0°-180°	17297.2	100.0



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

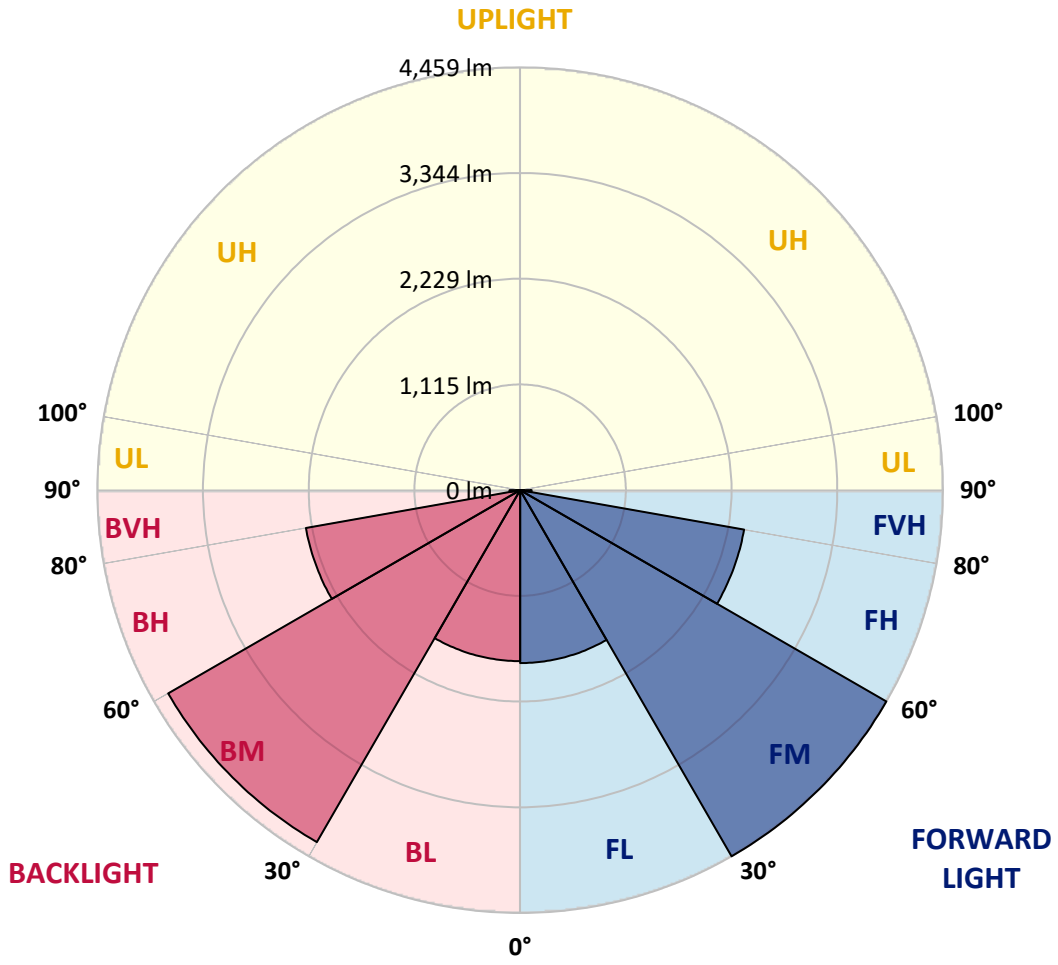
Scaled Data Report

REPORT NUMBER: P867461
CATALOG NUMBER: MEM2-HTN-SA-110-750-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1823.6	10.5			
FM	(30°-60°)	4459.0	25.8			
FH	(60°-80°)	2398.0	13.9			G2/5000
FVH	(80°-90°)	121.6	0.7			G2/225
BL	(0°-30°)	1802.8	10.4	B3/2500		
BM	(30°-60°)	4286.4	24.8	B3/5000		
BH	(60°-80°)	2294.0	13.3	B3/2500		G3/2500
BVH	(80°-90°)	111.8	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 I Short



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

Scaled Data Report

REPORT NUMBER: P867461
CATALOG NUMBER: MEM2-HTN-SA-110-750-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4
2.5°	4231.0	4231.0	4221.1	4204.5	4201.1	4204.5	4224.4	4214.4	4214.4	4217.7	4214.4
5°	4231.0	4231.0	4224.4	4207.8	4207.8	4207.8	4231.0	4221.1	4224.4	4227.7	4227.7
7.5°	4237.7	4237.7	4231.0	4217.7	4217.7	4217.7	4251.0	4244.3	4244.3	4254.3	4247.6
10°	4254.3	4247.6	4241.0	4244.3	4234.4	4251.0	4267.6	4270.9	4284.2	4290.8	4287.5
12.5°	4254.3	4247.6	4231.0	4251.0	4251.0	4274.2	4297.5	4310.7	4327.3	4327.3	4327.3
15°	4234.4	4227.7	4214.4	4247.6	4260.9	4290.8	4324.0	4343.9	4373.8	4373.8	4370.5
17.5°	4211.1	4201.1	4194.5	4244.3	4274.2	4314.1	4363.9	4390.4	4423.7	4427.0	4420.3
20°	4167.9	4164.6	4167.9	4234.4	4287.5	4343.9	4403.7	4440.3	4483.4	4496.7	4486.8
22.5°	4121.4	4121.4	4134.7	4224.4	4307.4	4383.8	4463.5	4510.0	4553.2	4566.5	4553.2
25°	4058.3	4058.3	4084.9	4191.2	4314.1	4427.0	4520.0	4583.1	4622.9	4636.2	4629.6
27.5°	3962.0	3962.0	3991.9	4124.8	4294.1	4460.2	4579.7	4652.8	4696.0	4709.3	4702.6
30°	3825.9	3819.2	3859.1	4025.1	4257.6	4496.7	4649.5	4725.9	4782.3	4792.3	4782.3
32.5°	3610.0	3620.0	3679.7	3889.0	4197.8	4520.0	4732.5	4822.2	4885.3	4905.2	4898.6
35°	3347.6	3364.2	3447.3	3716.3	4084.9	4516.6	4818.9	4928.5	5011.5	5038.0	5034.7
37.5°	3035.4	3058.7	3161.6	3477.1	3915.5	4466.8	4898.6	5048.0	5157.6	5190.8	5197.5
40°	2693.4	2716.6	2849.5	3198.2	3686.4	4350.6	4945.1	5184.2	5330.3	5396.7	5406.7
42.5°	2331.4	2371.2	2530.6	2869.4	3410.7	4164.6	4945.1	5317.0	5496.4	5619.2	5629.2
45°	1982.7	2015.9	2208.5	2540.6	3115.2	3925.5	4888.6	5449.9	5722.2	5934.7	5928.1
47.5°	1680.5	1690.4	1866.4	2201.9	2786.4	3653.2	4772.4	5569.4	5961.3	6243.6	6303.4
50°	1368.3	1391.5	1541.0	1873.1	2450.9	3354.3	4576.4	5645.8	6207.1	6635.5	6711.9
52.5°	1149.1	1152.4	1265.3	1570.9	2102.2	2992.3	4340.6	5665.7	6442.9	7060.6	7153.6
55°	936.5	953.1	1049.5	1278.6	1766.8	2636.9	4035.1	5635.8	6658.7	7472.4	7645.1
57.5°	803.7	807.0	876.8	1059.4	1491.2	2258.3	3696.3	5536.2	6838.1	7927.4	8146.6
60°	690.8	690.8	743.9	883.4	1205.5	1889.7	3297.8	5360.2	6937.7	8415.6	8734.4
62.5°	601.1	604.4	650.9	753.9	1003.0	1560.9	2859.4	5084.5	6974.2	8887.2	9252.5
65°	544.7	548.0	574.5	644.3	826.9	1268.6	2411.1	4749.1	6924.4	9239.2	9714.1
67.5°	*451.7*	*455.0*	*501.5*	*554.6*	*687.5*	*1019.6*	*1959.4*	*4284.2*	*6721.8*	*9348.8*	*9930.0*
70°	345.4	355.4	418.5	474.9	571.2	813.7	1504.4	3669.8	6236.9	8976.8	9574.6
72.5°	288.9	292.3	338.7	401.8	478.2	637.6	1142.4	2889.3	5499.7	8017.0	8681.2
75°	252.4	255.7	282.3	338.7	398.5	511.4	793.7	1996.0	4387.1	6482.7	7090.5
77.5°	229.2	232.5	239.1	285.6	335.4	395.2	561.3	1185.6	3095.2	4955.0	5273.8
80°	219.2	219.2	202.6	235.8	275.6	308.9	375.3	680.8	1986.0	3341.0	3596.7
82.5°	156.1	152.8	139.5	146.1	169.4	169.4	192.6	282.3	760.5	1411.5	1531.0
85°	10.0	10.0	16.6	19.9	29.9	39.9	49.8	66.4	192.6	262.4	272.3
87.5°	3.3	3.3	3.3	3.3	3.3	6.6	6.6	6.6	10.0	13.3	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

Scaled Data Report

REPORT NUMBER: P867461
CATALOG NUMBER: MEM2-HTN-SA-110-750-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4	4214.4
2.5°	4211.1	4214.4	4214.4	4221.1	4227.7	4224.4	4221.1	4227.7	4217.7	4197.8	4194.5
5°	4224.4	4224.4	4221.1	4227.7	4234.4	4227.7	4221.1	4221.1	4214.4	4194.5	4191.2
7.5°	4251.0	4247.6	4247.6	4247.6	4247.6	4237.7	4227.7	4221.1	4211.1	4191.2	4181.2
10°	4287.5	4284.2	4280.8	4277.5	4260.9	4251.0	4234.4	4224.4	4211.1	4187.9	4181.2
12.5°	4327.3	4320.7	4314.1	4317.4	4284.2	4254.3	4237.7	4214.4	4204.5	4151.3	4141.4
15°	4367.2	4357.2	4353.9	4340.6	4307.4	4264.2	4231.0	4197.8	4164.6	4114.8	4098.2
17.5°	4420.3	4413.7	4393.8	4380.5	4334.0	4274.2	4224.4	4177.9	4134.7	4074.9	4065.0
20°	4483.4	4476.8	4456.9	4430.3	4370.5	4297.5	4227.7	4154.6	4101.5	4031.8	4015.2
22.5°	4553.2	4543.2	4526.6	4496.7	4420.3	4334.0	4237.7	4141.4	4061.7	3981.9	3972.0
25°	4626.2	4619.6	4603.0	4559.8	4476.8	4370.5	4237.7	4094.9	3995.2	3925.5	3895.6
27.5°	4696.0	4692.7	4672.7	4622.9	4536.6	4397.1	4207.8	4018.5	3885.6	3792.6	3772.7
30°	4785.6	4779.0	4755.8	4699.3	4603.0	4413.7	4148.0	3889.0	3722.9	3620.0	3590.1
32.5°	4895.2	4888.6	4855.4	4785.6	4682.7	4417.0	4061.7	3722.9	3503.7	3394.1	3357.6
35°	5041.4	5028.1	4984.9	4901.9	4759.1	4383.8	3908.9	3510.4	3241.4	3098.5	3048.7
37.5°	5200.8	5184.2	5127.7	5024.8	4812.2	4294.1	3693.0	3224.7	2919.2	2749.8	2713.3
40°	5396.7	5373.5	5287.1	5144.3	4832.1	4138.0	3450.6	2932.5	2607.0	2421.1	2377.9
42.5°	5642.5	5602.6	5463.1	5277.2	4792.3	3925.5	3161.6	2630.3	2258.3	2085.6	2075.7
45°	5938.1	5875.0	5665.7	5406.7	4705.9	3659.8	2856.1	2291.5	1936.2	1766.8	1723.6
47.5°	6286.8	6210.4	5901.5	5506.3	4536.6	3387.5	2527.3	1962.7	1637.3	1464.6	1431.4
50°	6672.0	6598.9	6150.6	5562.8	4353.9	3068.7	2205.2	1670.5	1345.0	1202.2	1202.2
52.5°	7140.3	6974.2	6389.7	5569.4	4074.9	2716.6	1896.3	1384.9	1129.2	1003.0	976.4
55°	7638.4	7442.5	6605.6	5509.6	3786.0	2394.5	1564.2	1152.4	926.6	836.9	813.7
57.5°	8193.1	7894.2	6761.7	5390.1	3420.7	2042.5	1305.2	949.8	780.4	707.4	697.4
60°	8751.0	8365.7	6854.7	5187.5	3032.1	1717.0	1086.0	793.7	670.9	617.7	607.8
62.5°	9269.1	8751.0	6861.3	4891.9	2653.5	1431.4	890.0	684.1	594.5	554.6	554.6
65°	9717.4	9073.1	6748.4	4513.3	2172.0	1149.1	734.0	577.9	518.1	474.9	464.9
67.5°	9936.6	9196.0	6549.1	3995.2	1740.2	910.0	617.7	501.5	445.0	378.6	372.0
70°	9627.8	8840.7	6037.7	3331.0	1345.0	724.0	514.8	428.4	372.0	315.5	308.9
72.5°	8641.4	7894.2	5210.7	2580.5	1012.9	584.5	428.4	365.3	305.5	275.6	269.0
75°	7070.5	6565.7	4118.1	1776.8	707.4	458.3	358.7	308.9	259.0	245.8	242.4
77.5°	5366.8	4882.0	3008.9	1112.6	484.9	358.7	305.5	262.4	225.8	235.8	229.2
80°	3583.4	3360.9	1999.3	631.0	325.5	262.4	232.5	192.6	172.7	199.3	192.6
82.5°	1627.3	1541.0	939.9	275.6	146.1	112.9	79.7	59.8	46.5	43.2	49.8
85°	272.3	239.1	66.4	29.9	16.6	10.0	6.6	6.6	3.3	3.3	3.3
87.5°	13.3	10.0	10.0	6.6	3.3	3.3	3.3	3.3	3.3	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

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

Streetworks

Report Number: SP1-2407-157-6

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-750-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-750-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

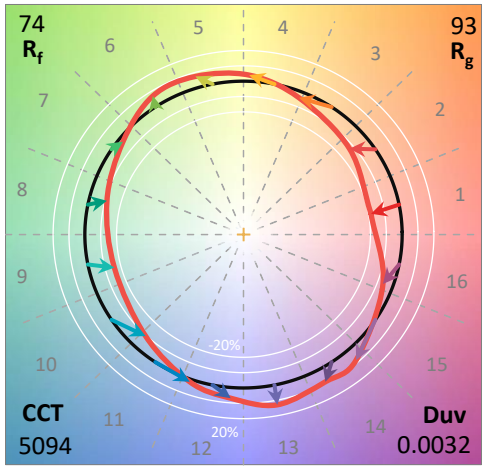
Test Information

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-30-750-U-5WQ-2**
Description:	Epic Modern Light Square 30W 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

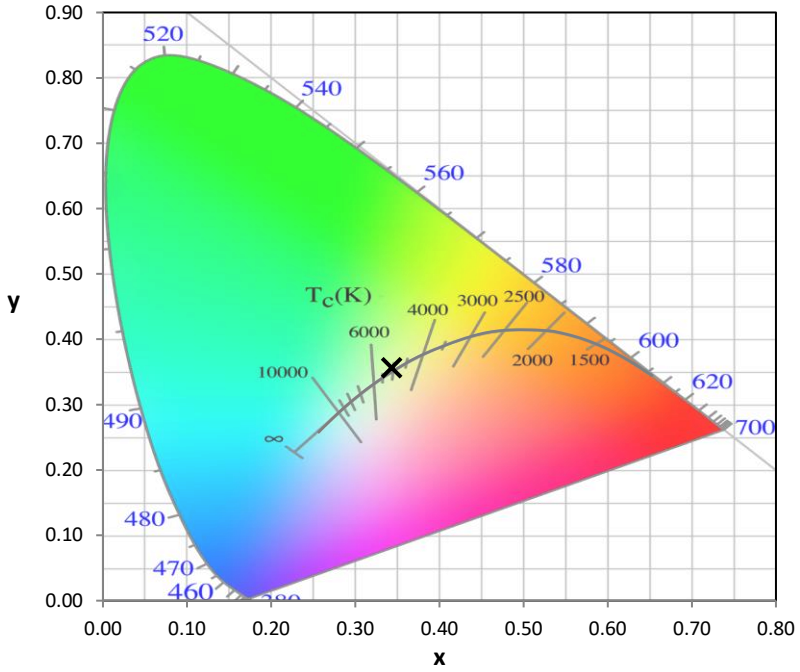
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

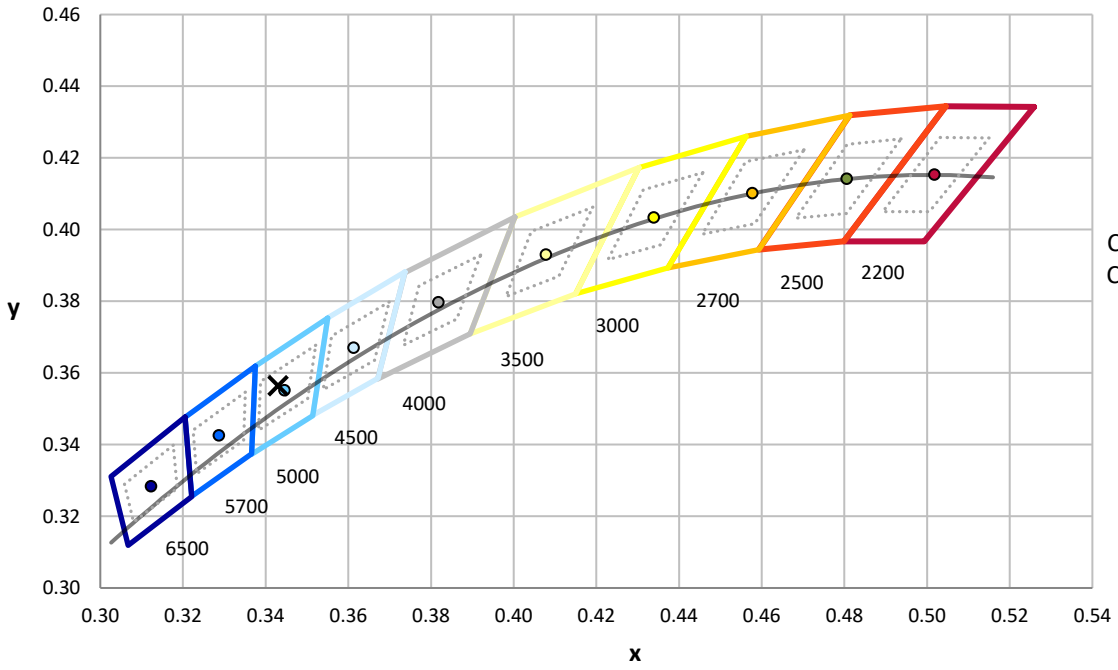
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

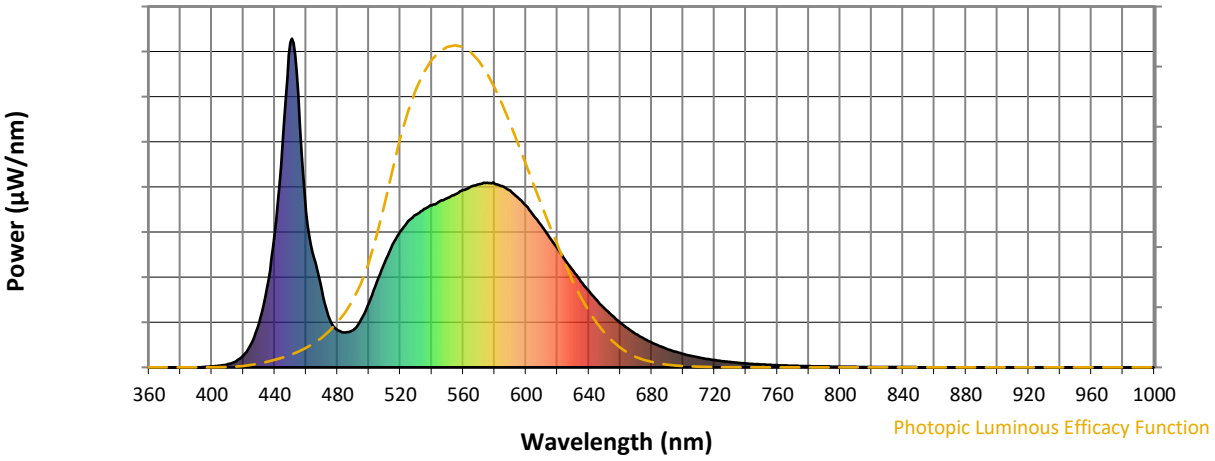


CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-6

Photopic Flux vs. Wavelength

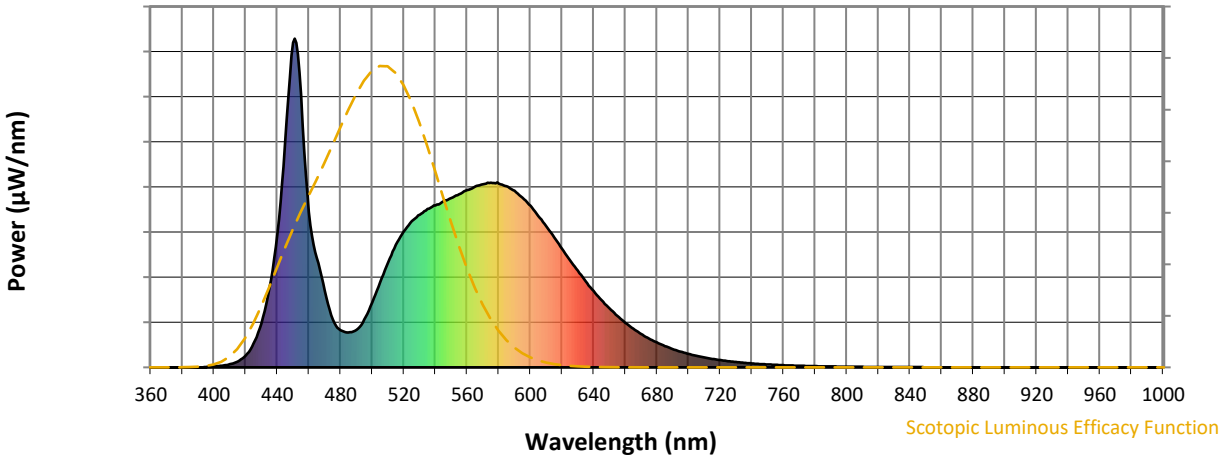


Photopic Lumens: NR

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

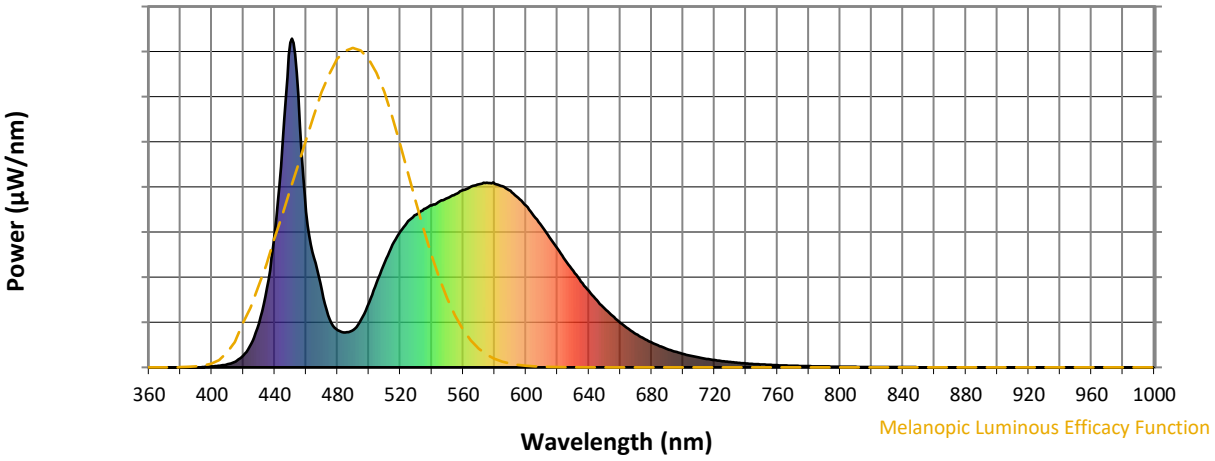


Scotopic Lumens: NR **S/P: 1.81**

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			

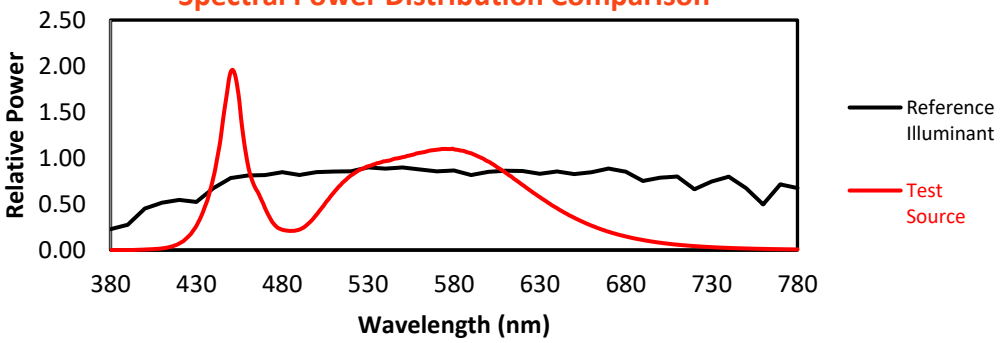
REPORT NUMBER: SP1-2407-157-6

TM-30-18

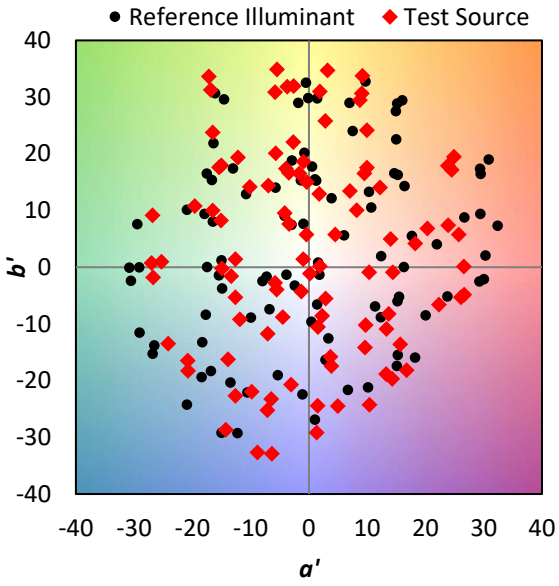
Summary

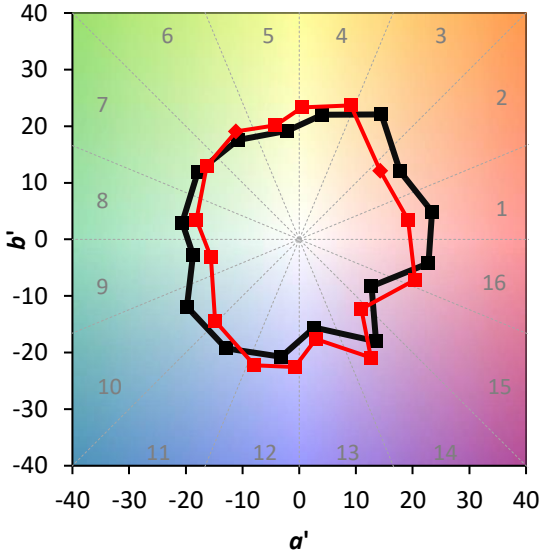
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

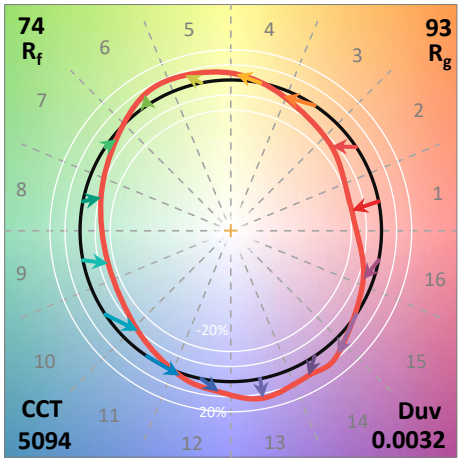
Spectral Power Distribution Comparison

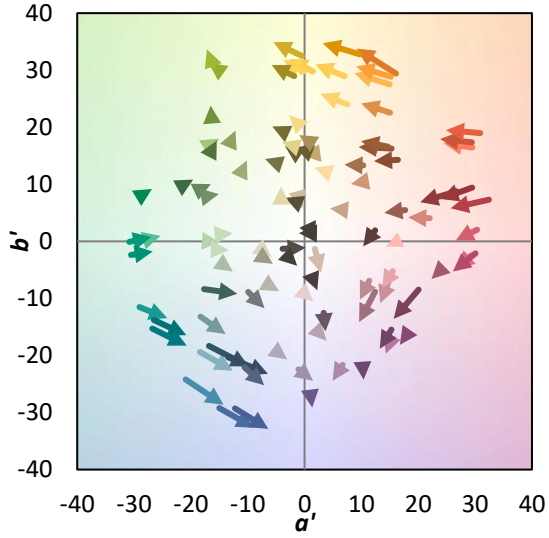


Color Vector Graphics







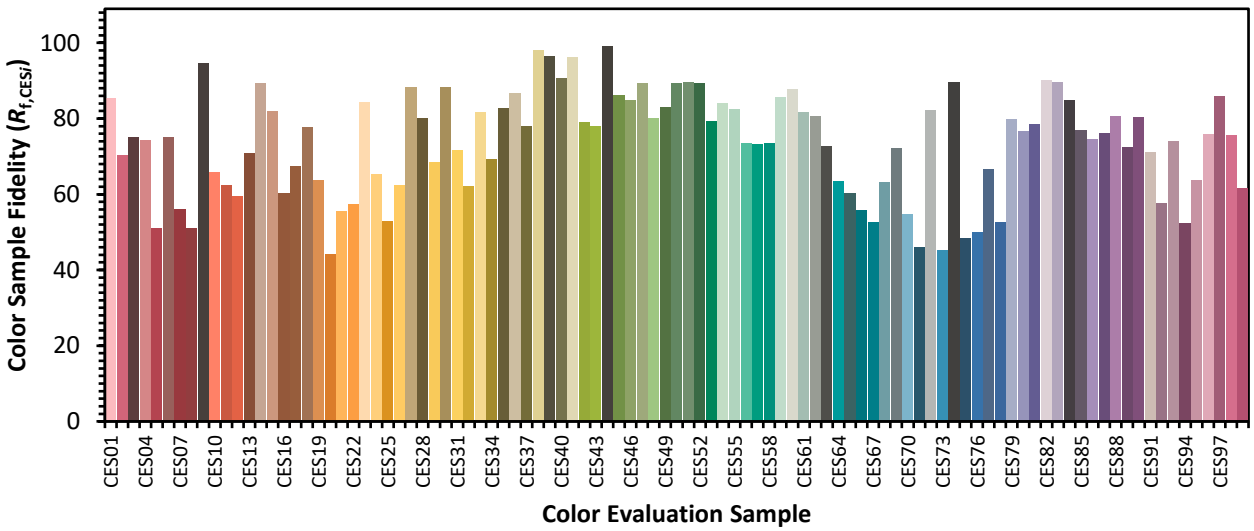


REPORT NUMBER: SP1-2407-157-6

TM-30-18

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

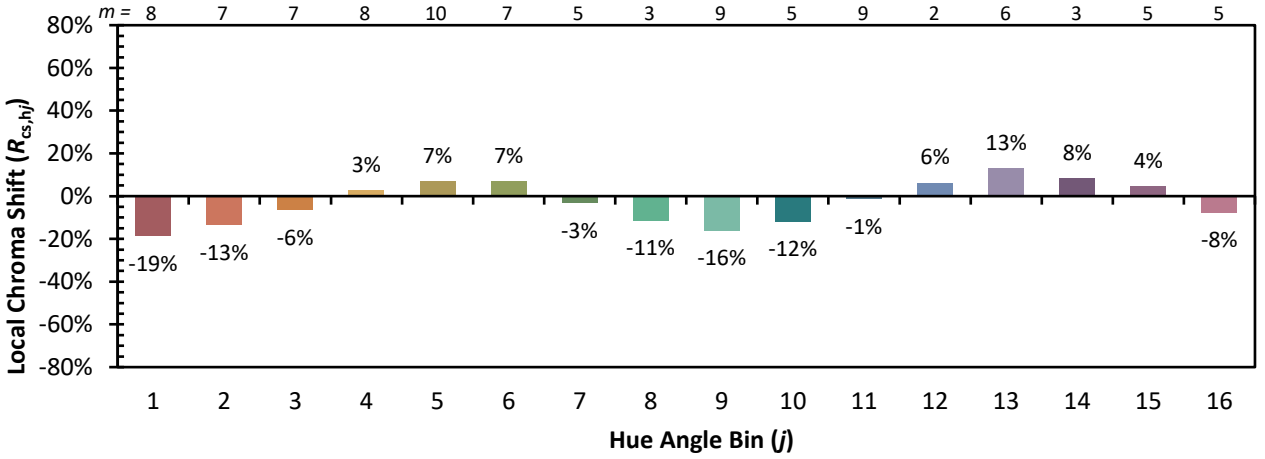
CES01 = 85	CES26 = 62	CES51 = 90	CES76 = 50
CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 79	CES78 = 53
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 78
CES07 = 38	CES32 = 62	CES57 = 73	CES82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

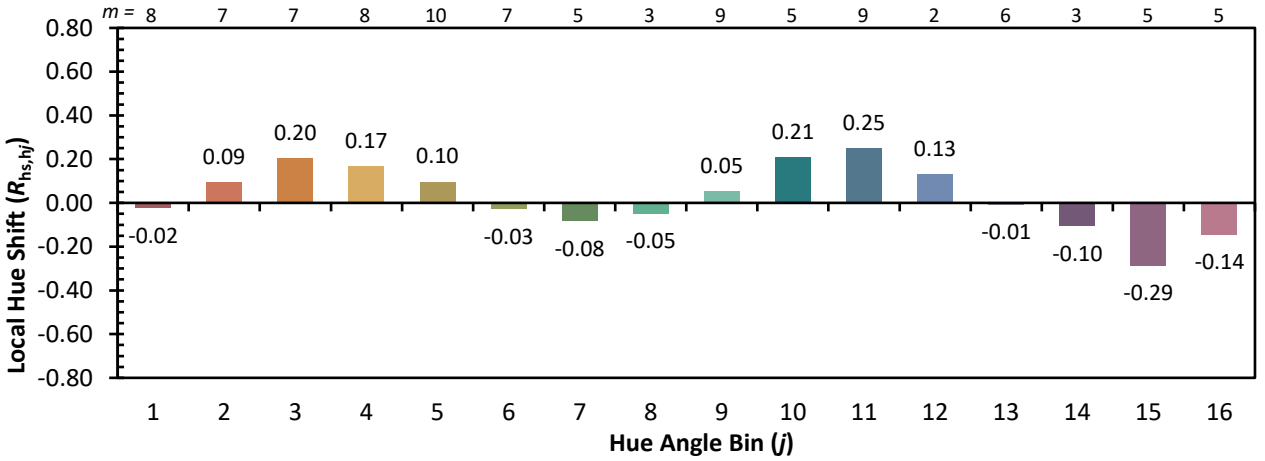


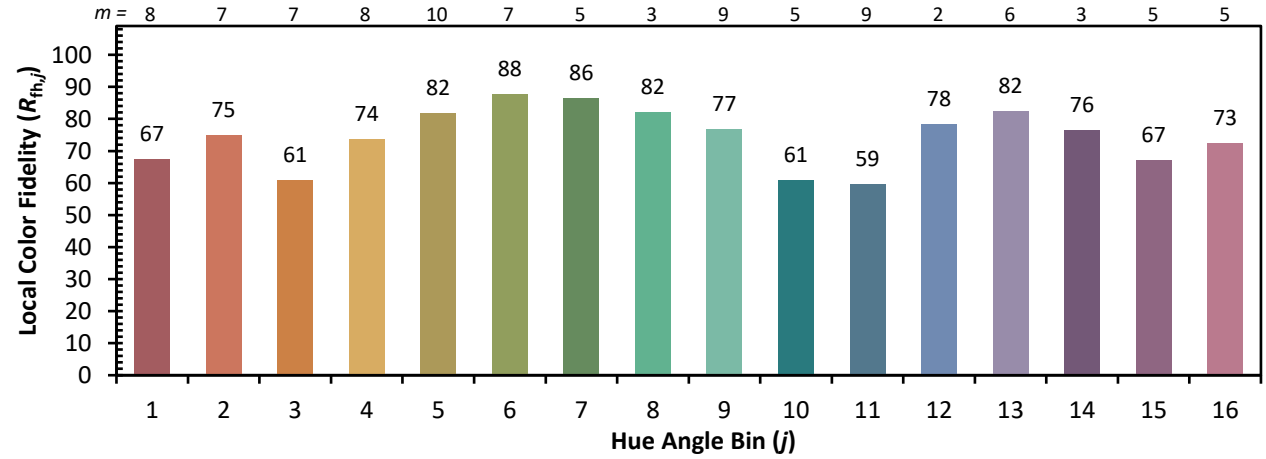
REPORT NUMBER: SP1-2407-157-6

TM-30-18

Color Rendition by Hue-Angle Bin



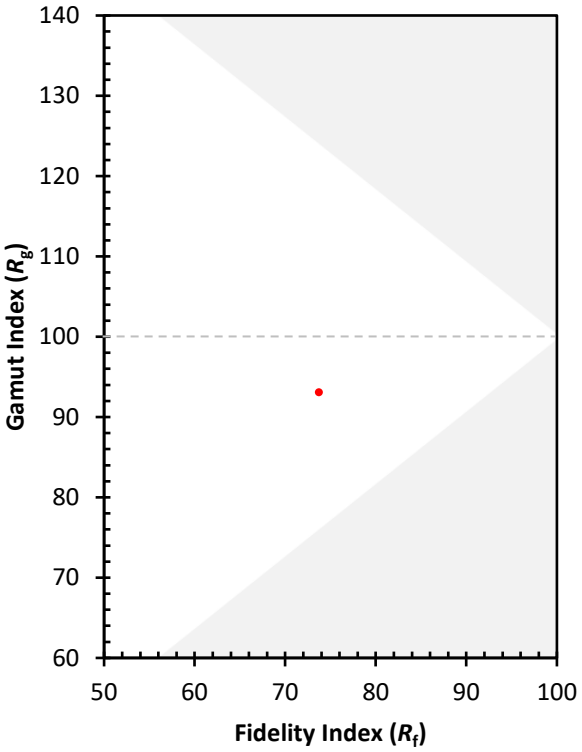


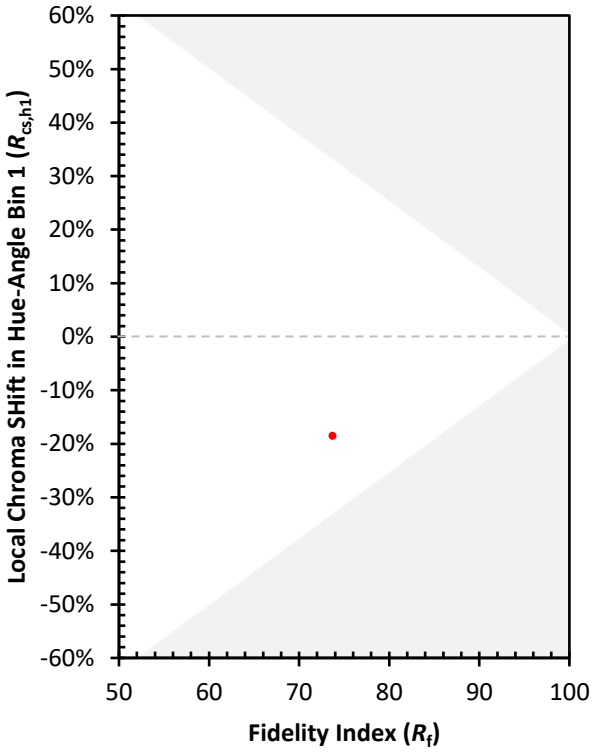


REPORT NUMBER: SP1-2407-157-6

TM-30-18

Measure Comparisons





(END OF REPORT)