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: P868472

Luminaire Tested: **EMM2-HTN-SA3B-740-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:	P868472
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA3B-740-U-T2U
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 150W 70CRI 4000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source:	(30) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19226.9 lumens
Efficiency:	N/A
Efficacy:	143.5 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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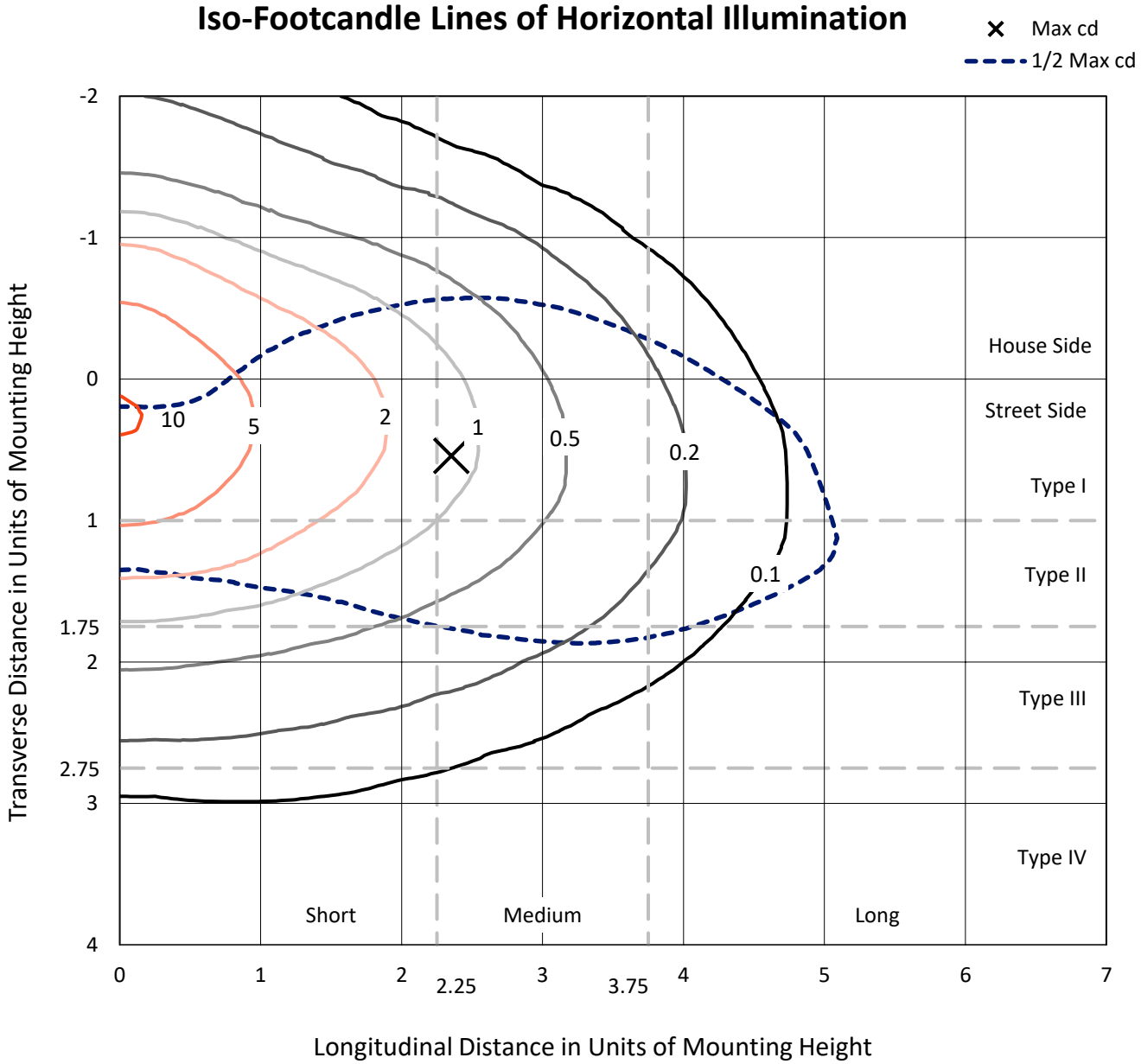
REPORT NUMBER: P868472
CATALOG NUMBER: EMM2-HTN-SA3B-740-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 10.4 fc
Type III - Medium - N/A

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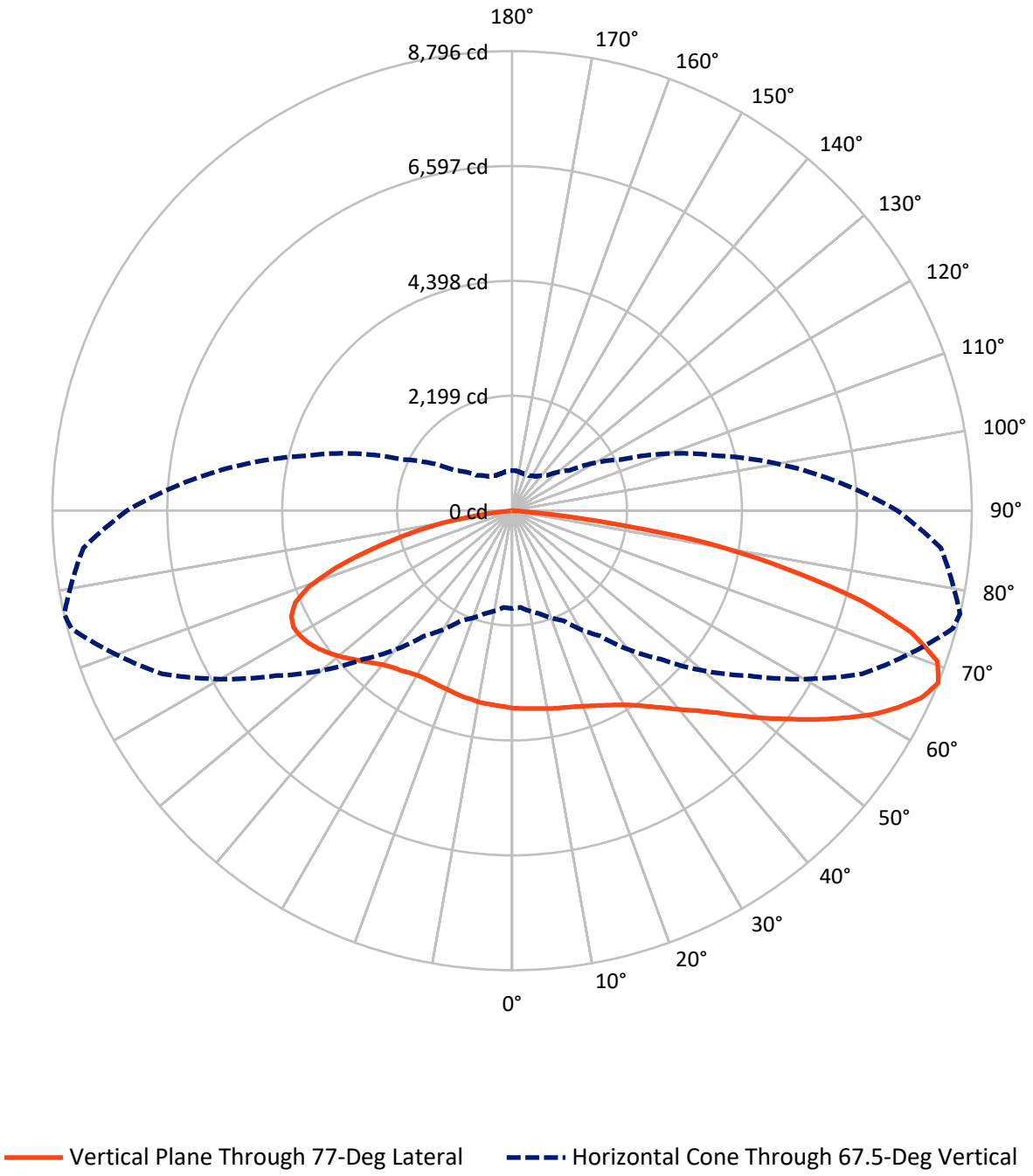
Luminous Intensity Polar Plot



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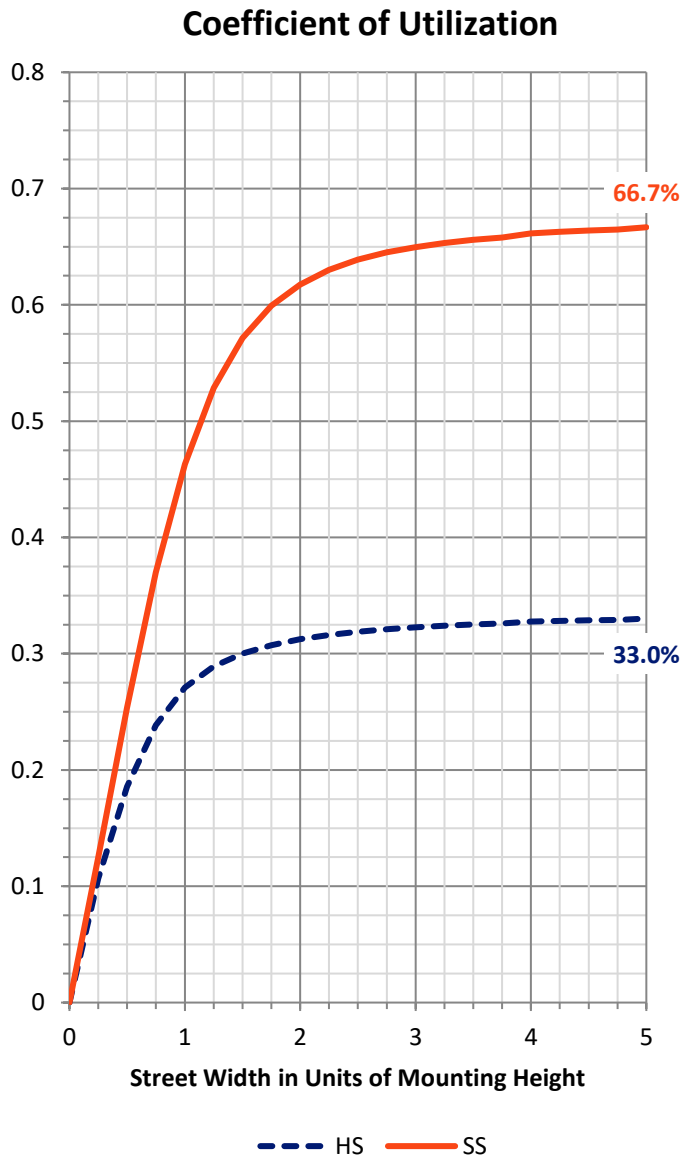
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6393.6	0.0	6393.6
	% Fixture	33.3	0.0	33.3
Street Side	Lumens	12833.3	0.0	12833.3
	% Fixture	66.7	0.0	66.7
Total	Lumens	19226.9	0.0	19226.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.3	1.9
10°-20°	1101.9	5.7
20°-30°	1857.7	9.7
30°-40°	2636.2	13.7
40°-50°	3335.4	17.3
50°-60°	3653.8	19.0
60°-70°	3531.9	18.4
70°-80°	2375.4	12.4
80°-90°	371.2	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°	19226.9	100.0
0°-180°	19226.9	100.0



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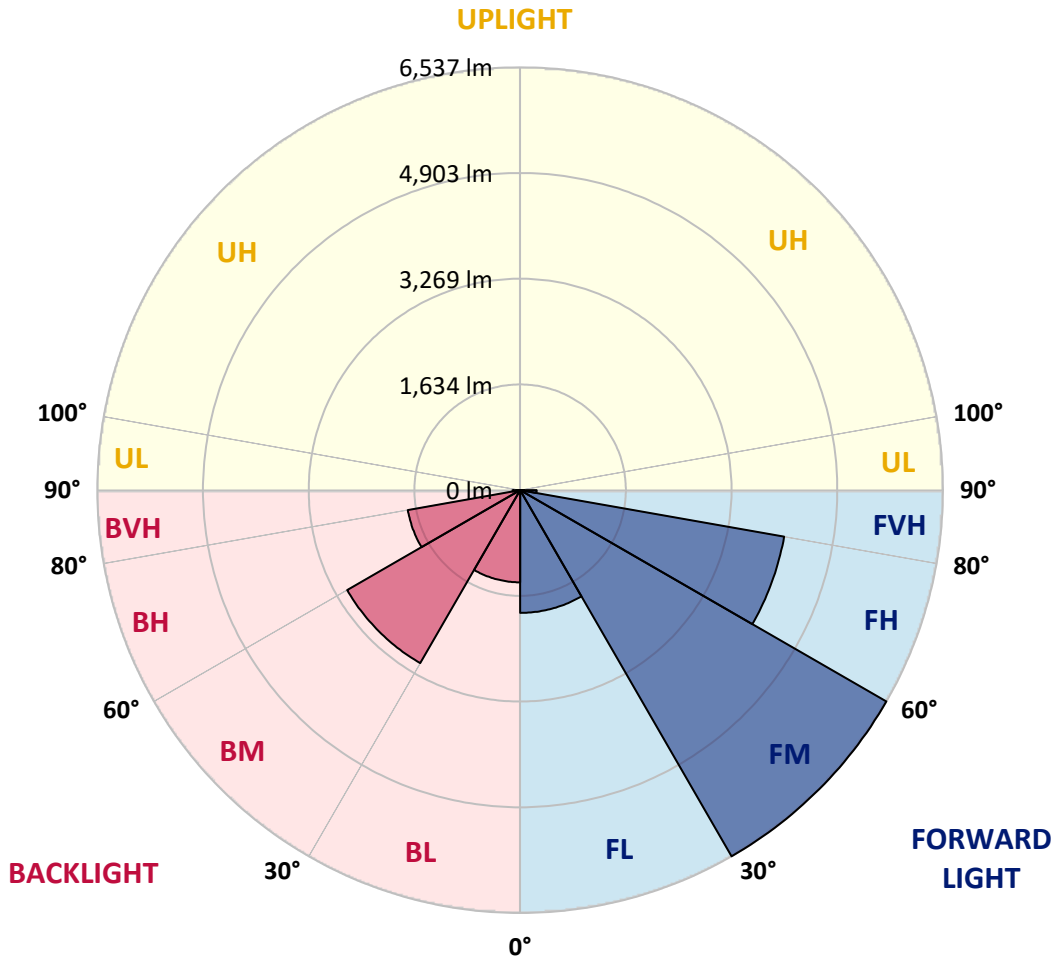
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1897.7	9.9			
FM	(30°-60°)	6537.4	34.0			
FH	(60°-80°)	4144.0	21.6			G2/5000
FVH	(80°-90°)	254.2	1.3			G3/500
BL	(0°-30°)	1425.3	7.4	B3/2500		
BM	(30°-60°)	3088.0	16.1	B3/5000		
BH	(60°-80°)	1763.4	9.2	B3/2500		G3/2500
BVH	(80°-90°)	117.0	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: P868472
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	*3780.2*	3780.2
2.5°	3863.9	3860.1	3841.1	3848.7	3825.9	3841.1	3818.2	3799.2	3795.4	*3791.6*	3795.4
5°	3985.6	3966.6	3947.6	3936.1	3917.1	3909.5	3871.5	3833.5	3810.6	*3806.8*	3799.2
7.5°	4126.3	4118.7	4092.1	4076.9	4023.6	3997.0	3943.7	3875.3	3841.1	*3825.9*	3806.8
10°	4270.8	4289.8	4255.6	4225.2	4164.3	4107.3	4016.0	3928.5	3860.1	*3852.5*	3810.6
12.5°	4449.6	4445.8	4422.9	4369.7	4297.4	4217.6	4107.3	3985.6	3894.3	*3879.1*	3818.2
15°	4609.3	4605.5	4575.1	4525.6	4430.5	4331.7	4183.3	4042.6	3928.5	*3905.7*	3833.5
17.5°	4757.6	4750.0	4731.0	4677.7	4559.8	4438.1	4293.6	4107.3	3970.4	*3943.7*	3844.9
20°	4886.9	4894.5	4871.7	4818.4	4708.2	4578.9	4396.3	4190.9	4023.6	*3993.2*	3879.1
22.5°	5027.6	5031.4	5020.0	5001.0	4860.3	4723.4	4525.6	4286.0	4084.5	*4054.0*	3917.1
25°	5175.9	5179.7	5187.3	5175.9	5016.2	4867.9	4658.7	4403.9	4168.1	*4126.3*	3970.4
27.5°	5347.1	5350.9	5366.1	5343.3	5172.1	5016.2	4807.0	4529.4	4255.6	*4210.0*	4016.0
30°	5541.0	5556.2	5544.8	5537.2	5339.5	5187.3	4955.4	4658.7	4369.7	*4312.6*	4095.9
32.5°	5773.0	5769.2	5746.4	5723.6	5522.0	5362.3	5122.7	4826.1	4510.4	*4445.8*	4225.2
35°	5940.3	5940.3	5906.1	5894.7	5708.4	5541.0	5305.2	5012.4	4670.1	*4609.3*	4362.1
37.5°	6043.0	6058.2	6031.6	6039.2	5860.5	5704.6	5487.8	5202.6	4845.1	*4791.8*	4529.4
40°	6081.1	6119.1	6141.9	6172.3	5993.6	5860.5	5681.7	5407.9	5069.4	*5008.6*	4731.0
42.5°	6088.7	6145.7	6225.6	6290.2	6088.7	5978.4	5868.1	5617.1	5290.0	*5236.8*	4951.6
45°	6050.6	6024.0	6218.0	6225.6	6141.9	6073.5	6031.6	5868.1	5609.5	*5522.0*	5225.4
47.5°	5761.6	5731.2	5784.4	6027.8	6077.3	6115.3	6199.0	6160.9	5928.9	*5860.5*	5541.0
50°	5293.8	5278.6	5491.6	5754.0	5917.5	6111.5	6335.9	6442.3	6282.6	*6240.8*	5940.3
52.5°	4521.8	4480.0	4913.5	5423.1	5708.4	6073.5	6430.9	6731.4	6681.9	*6621.1*	6282.6
55°	4031.2	4031.2	4324.1	4959.2	5442.1	5936.5	6491.8	7035.6	7123.1	*7054.6*	6674.3
57.5°	3506.4	3548.2	3852.5	4289.8	5058.0	5685.5	6484.2	7290.4	7549.0	*7484.4*	7088.9
60°	3057.6	3091.9	3266.8	3708.0	4605.5	5354.7	6400.5	7499.6	7944.5	*7921.7*	7454.0
62.5°	2601.3	2643.1	2783.8	3198.4	4008.4	4974.4	6225.6	7613.7	8317.2	*8294.4*	7822.8
65°	2236.2	2240.0	2380.7	2726.8	3411.3	4514.2	5917.5	7590.9	8606.3	*8621.5*	8134.7
67.5°	*1871.1*	*1859.7*	*2042.2*	*2323.7*	*2924.5*	*4019.8*	*5506.8*	*7389.3*	*8728.0*	*8796.4*	*8237.4*
70°	1376.7	1391.9	1646.7	1958.6	2472.0	3449.4	4932.5	6997.6	8530.2	*8636.7*	8001.6
72.5°	1034.4	1064.9	1312.0	1635.3	2065.0	2878.9	4305.0	6316.8	7978.8	*7994.0*	7282.8
75°	840.5	848.1	1068.7	1357.7	1692.4	2308.4	3457.0	5274.8	6746.6	*6921.5*	6187.5
77.5°	715.0	707.4	813.9	1095.3	1365.3	1844.5	2605.1	4012.2	5297.6	*5377.5*	4845.1
80°	608.5	604.7	642.7	886.1	1068.7	1315.9	1783.6	2795.2	3780.2	*3867.7*	3441.7
82.5°	319.5	342.3	334.7	547.6	604.7	692.2	855.7	1270.2	1650.5	*1673.3*	1582.1
85°	15.2	15.2	15.2	22.8	38.0	60.8	117.9	117.9	129.3	*247.2*	281.4
87.5°	3.8	3.8	7.6	7.6	7.6	11.4	11.4	15.2	15.2	*15.2*	15.2
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-HTN-SA3B-740-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2	3780.2
2.5°	3787.8	3772.6	3749.8	3753.6	3749.8	3749.8	3730.8	3715.6	3711.8	3719.4	3734.6
5°	3791.6	3768.8	3734.6	3723.2	3711.8	3704.2	3673.7	3650.9	3639.5	3647.1	3650.9
7.5°	3791.6	3757.4	3719.4	3696.6	3666.1	3643.3	3609.1	3578.7	3563.4	3567.2	3574.9
10°	3784.0	3746.0	3715.6	3669.9	3620.5	3593.9	3540.6	3502.6	3483.6	3487.4	3468.4
12.5°	3784.0	3742.2	3681.3	3639.5	3571.1	3514.0	3472.2	3430.3	3415.1	3399.9	3392.3
15°	3787.8	3734.6	3673.7	3586.3	3506.4	3445.6	3392.3	3365.7	3342.9	3335.3	3339.1
17.5°	3787.8	3734.6	3643.3	3540.6	3449.4	3373.3	3327.7	3297.2	3289.6	3282.0	3282.0
20°	3806.8	3738.4	3616.7	3495.0	3380.9	3301.0	3259.2	3240.2	3240.2	3228.8	3228.8
22.5°	3837.3	3746.0	3601.5	3457.0	3323.9	3236.4	3190.7	3167.9	3179.3	3171.7	3167.9
25°	3871.5	3772.6	3582.5	3403.7	3247.8	3156.5	3110.9	3095.7	3091.9	3072.9	3099.5
27.5°	3898.1	3791.6	3571.1	3350.5	3179.3	3072.9	3015.8	2989.2	2970.2	2977.8	2970.2
30°	3970.4	3844.9	3574.9	3304.8	3103.3	2974.0	2905.5	2875.1	2867.5	2867.5	2867.5
32.5°	4069.3	3913.3	3601.5	3285.8	3031.0	2878.9	2795.2	2764.8	2757.2	2742.0	2749.6
35°	4194.8	4016.0	3643.3	3255.4	2974.0	2768.6	2677.3	2635.5	2624.1	2608.9	2608.9
37.5°	4335.5	4118.7	3673.7	3240.2	2897.9	2654.5	2551.8	2498.6	2491.0	2475.8	2483.4
40°	4514.2	4259.4	3723.2	3209.8	2810.4	2551.8	2414.9	2327.5	2346.5	2354.1	2369.3
42.5°	4715.8	4438.1	3799.2	3179.3	2742.0	2445.4	2243.8	2156.3	2179.1	2171.5	2186.7
45°	4989.6	4647.3	3894.3	3167.9	2658.3	2316.0	2068.9	1970.0	1962.4	1951.0	1958.6
47.5°	5274.8	4898.3	3985.6	3145.1	2567.1	2156.3	1871.1	1745.6	1715.2	1700.0	1684.7
50°	5571.4	5149.3	4092.1	3129.9	2445.4	1977.6	1673.3	1528.8	1471.8	1452.8	1433.7
52.5°	5906.1	5419.3	4183.3	3091.9	2312.2	1791.2	1494.6	1331.1	1266.4	1228.4	1232.2
55°	6259.8	5666.5	4267.0	3046.2	2160.1	1616.3	1315.9	1178.9	1114.3	1102.9	1102.9
57.5°	6586.9	5921.3	4327.9	2966.4	2008.0	1445.2	1167.5	1049.6	1019.2	1034.4	1034.4
60°	6921.5	6126.7	4358.3	2878.9	1852.1	1300.6	1064.9	969.8	954.6	985.0	988.8
62.5°	7191.5	6290.2	4350.7	2757.2	1680.9	1175.1	966.0	889.9	897.5	950.8	962.2
65°	7385.5	6370.1	4255.6	2574.7	1517.4	1064.9	878.5	806.2	806.2	844.3	855.7
67.5°	*7370.3*	*6267.4*	*4065.4*	*2319.9*	*1342.5*	*954.6*	*798.6*	*741.6*	*741.6*	*768.2*	*764.4*
70°	7058.4	5913.7	3704.2	2011.8	1171.3	859.5	730.2	688.3	684.5	696.0	692.2
72.5°	6309.2	5194.9	3141.3	1661.9	1011.6	764.4	661.7	623.7	616.1	600.9	589.5
75°	5206.4	4267.0	2453.0	1323.5	855.7	673.1	597.1	562.8	532.4	551.4	540.0
77.5°	4038.8	3274.4	1825.5	1026.8	696.0	585.7	532.4	494.4	486.8	555.2	532.4
80°	2947.4	2262.8	1289.2	734.0	540.0	475.4	445.0	414.5	524.8	703.6	699.8
82.5°	1308.2	1091.5	589.5	349.9	251.0	209.2	174.9	197.8	330.9	323.3	334.7
85°	117.9	121.7	64.7	41.8	26.6	22.8	15.2	15.2	11.4	11.4	11.4
87.5°	15.2	15.2	11.4	11.4	7.6	7.6	7.6	7.6	3.8	3.8	3.8
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: SP1-2407-157-5

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-740-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-740-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

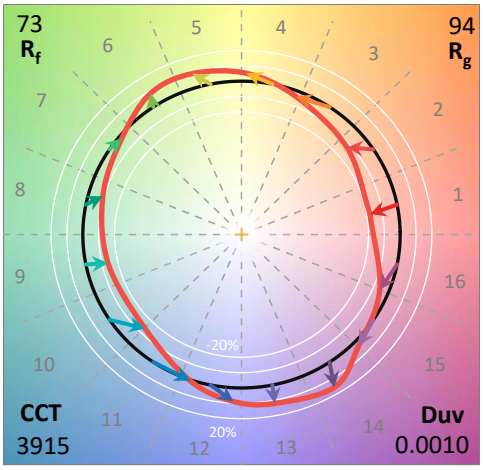
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-5
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-40-740-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3915
CIE u':	0.2262
CIE v':	0.5044
Duv:	0.0010
CIE x:	0.3850
CIE y:	0.3816
CIE z:	0.2334
Peak Wavelength (nm):	449
Dominant Wavelength (nm):	578
Purity:	30.05482
Rf:	73.2
Rg:	93.9

CRI (Ra):	71.0
R1:	67.6
R2:	78.3
R3:	87.1
R4:	69.7
R5:	67.4
R6:	69.3
R7:	79.7
R8:	48.7
R9:	-38.4
R10:	48.9
R11:	65.3
R12:	40.4
R13:	69.3
R14:	92.6
R15:	59.9



Test Conditions

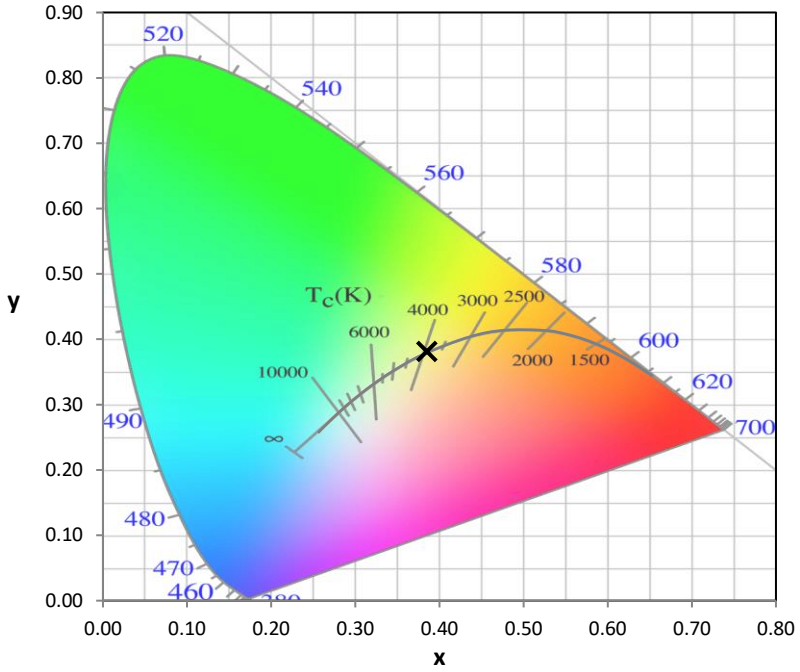
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-5

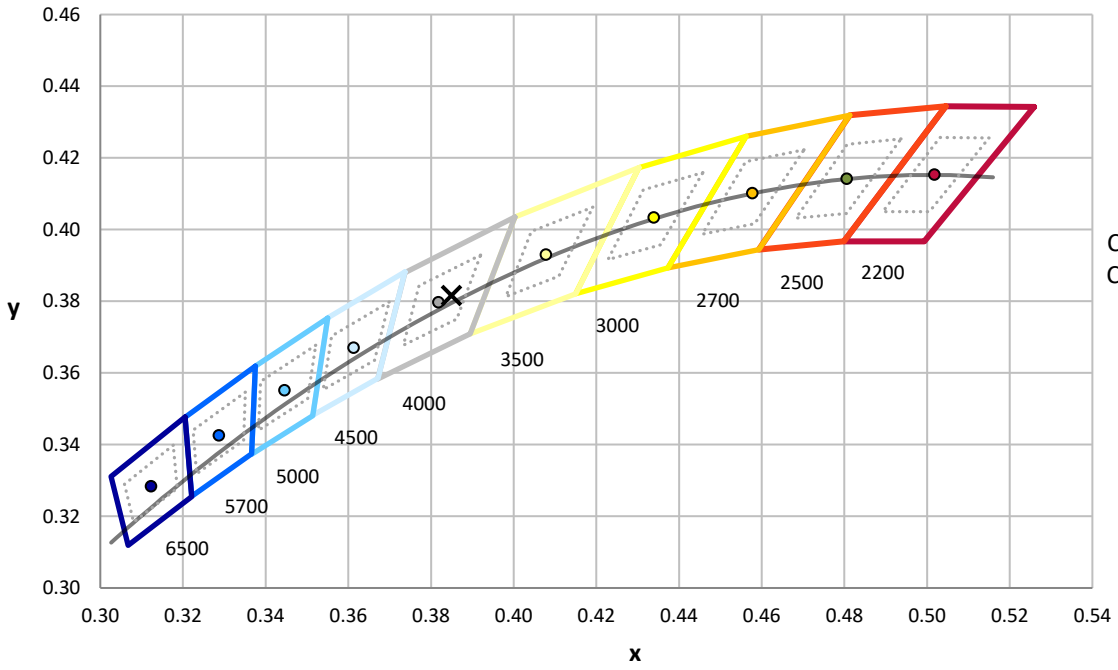
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-5

CIE 1931 Chromaticity Diagram



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

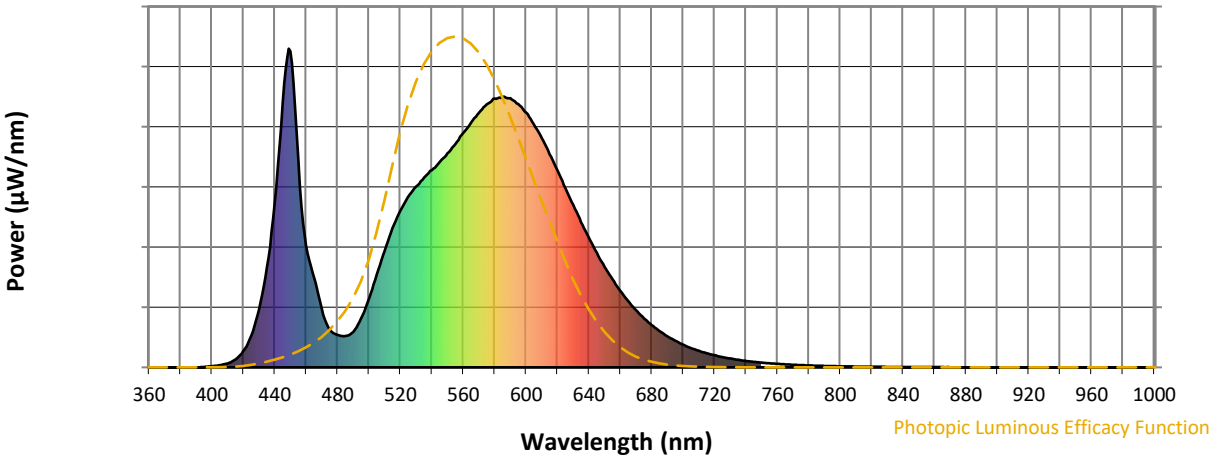


CCT = 3915K
CIE x = 0.3850
CIE y = 0.3816
Duv = 0.0010

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-5

Photopic Flux vs. Wavelength

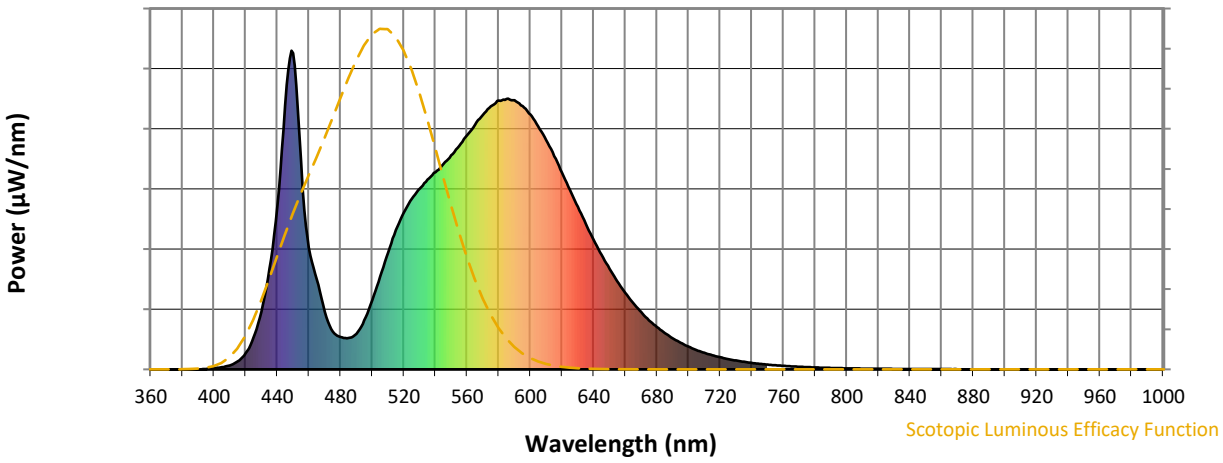


Photopic Lumens: NR

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-5

Scotopic Flux vs. Wavelength

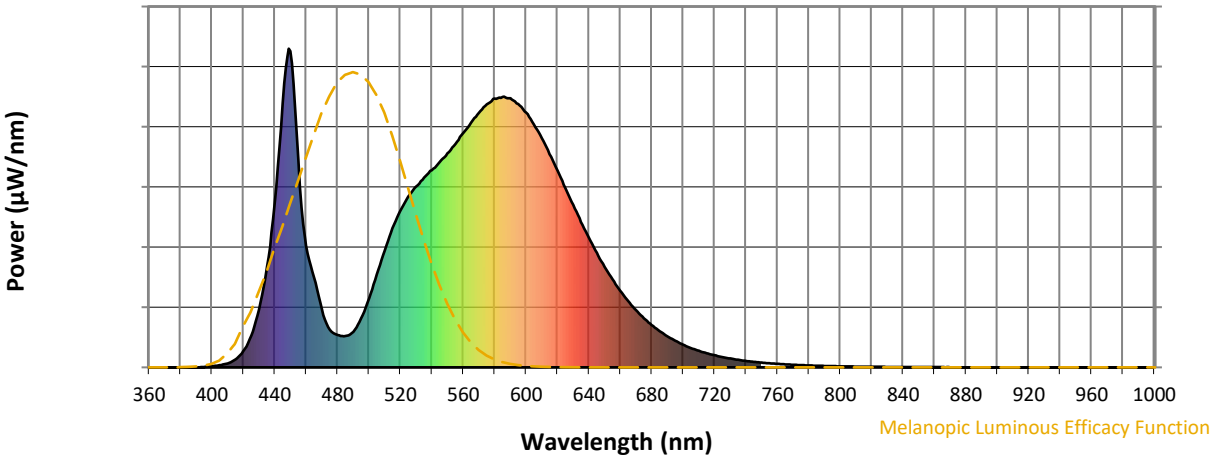


Scotopic Lumens: NR **S/P: 1.49**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

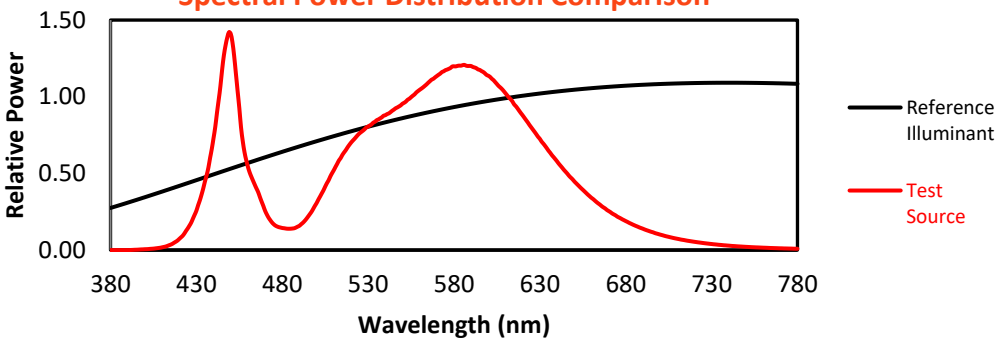
REPORT NUMBER: SP1-2407-157-5

TM-30-18

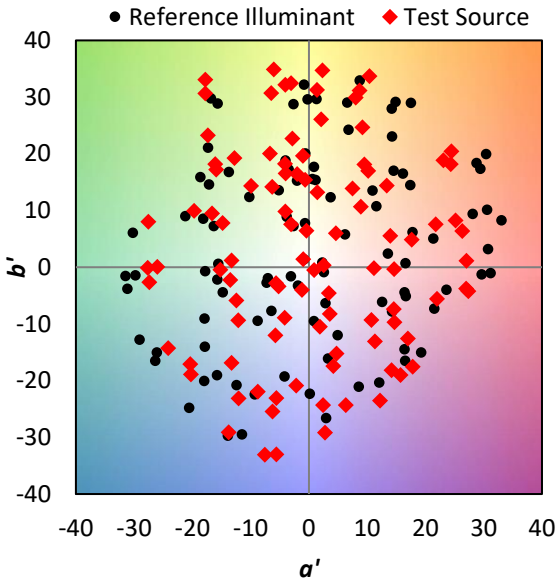
Summary

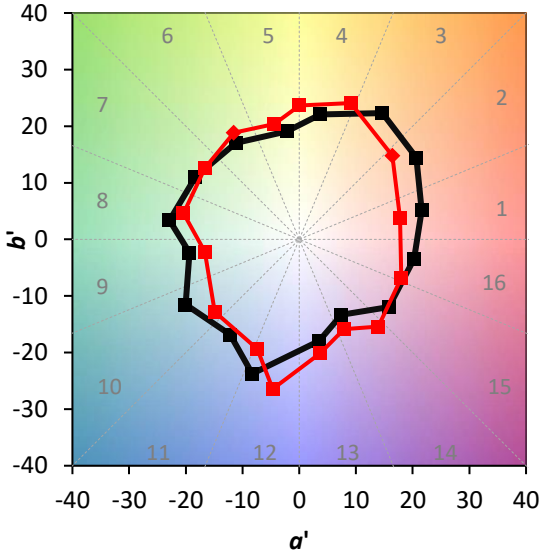
R_f = 73.2
R_g = 93.9
CIE R_a = 71.0
R_9 = -38.4

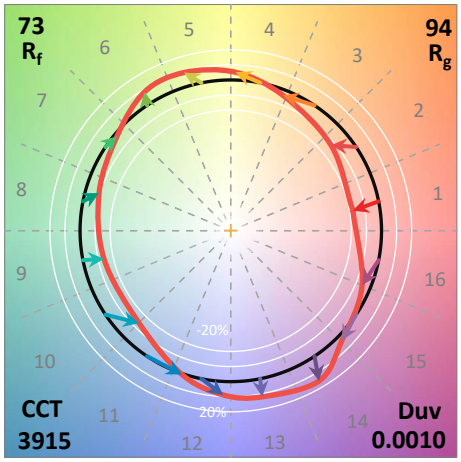
Spectral Power Distribution Comparison

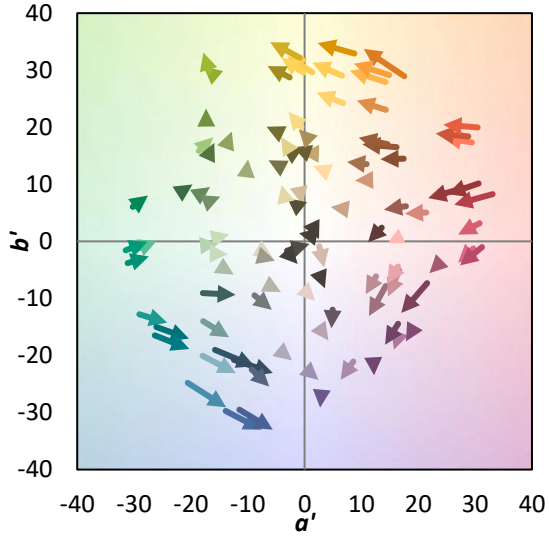


Color Vector Graphics







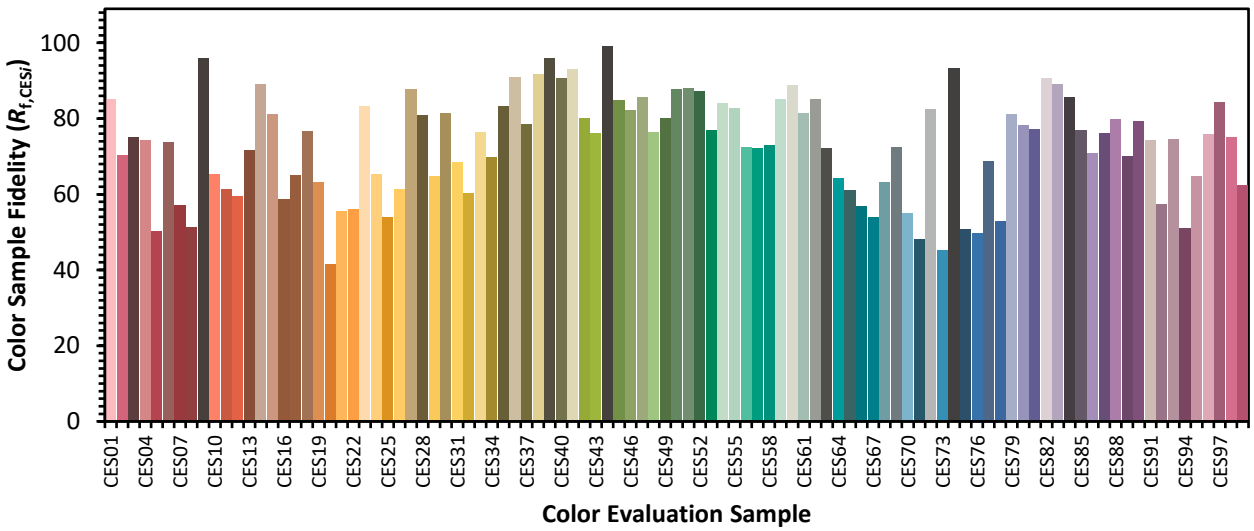


REPORT NUMBER: SP1-2407-157-5

TM-30-18

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

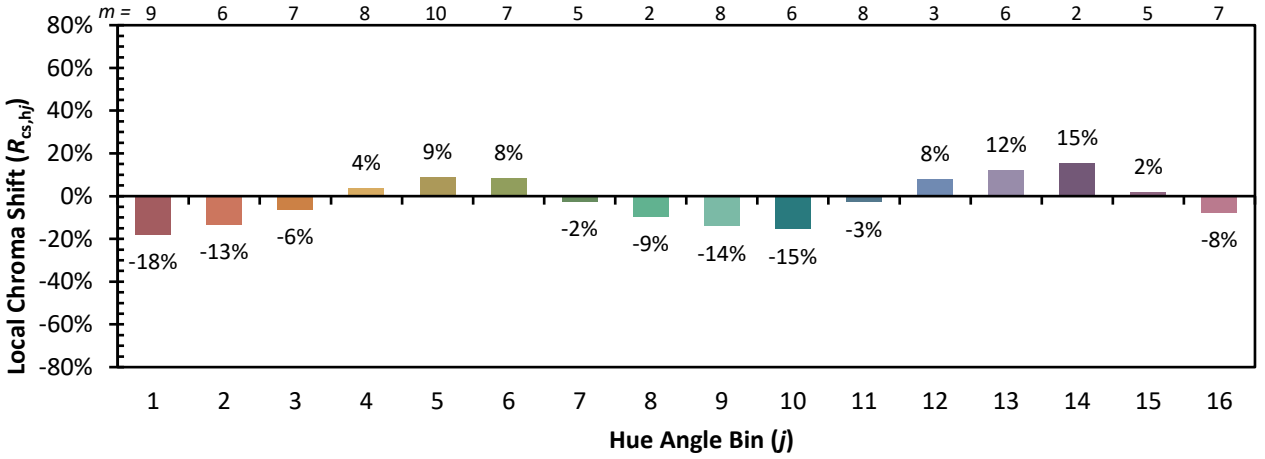
CES01 = 85	CES26 = 61	CES51 = 88	CES76 = 50
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 69
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 53
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 81	CES55 = 83	CES80 = 78
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 60	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 76	CES58 = 73	CES83 = 89
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 83	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 74
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 57
CES18 = 56	CES43 = 76	CES68 = 63	CES93 = 74
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 51
CES20 = 65	CES45 = 85	CES70 = 55	CES95 = 65
CES21 = 86	CES46 = 82	CES71 = 48	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 45	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 88	CES75 = 51	

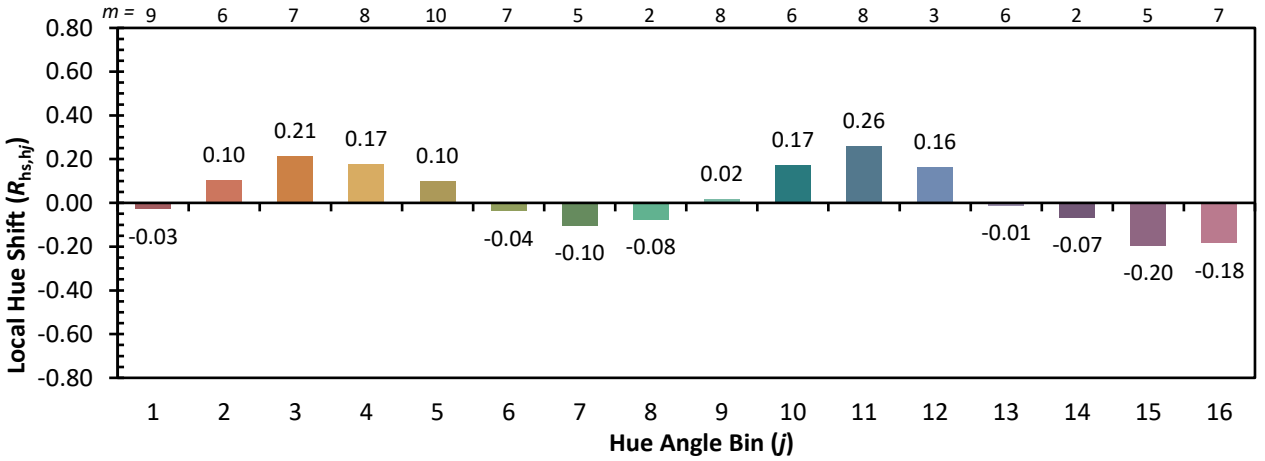


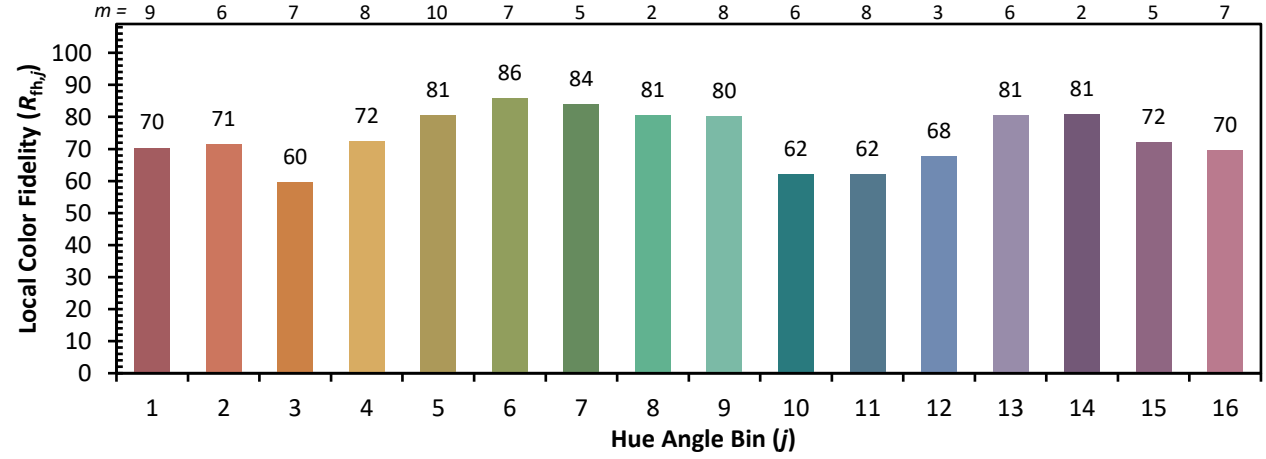
REPORT NUMBER: SP1-2407-157-5

TM-30-18

Color Rendition by Hue-Angle Bin



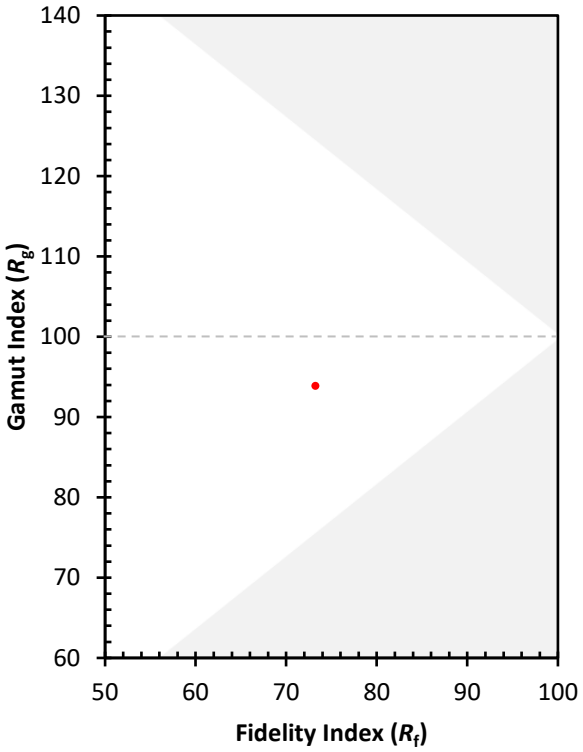


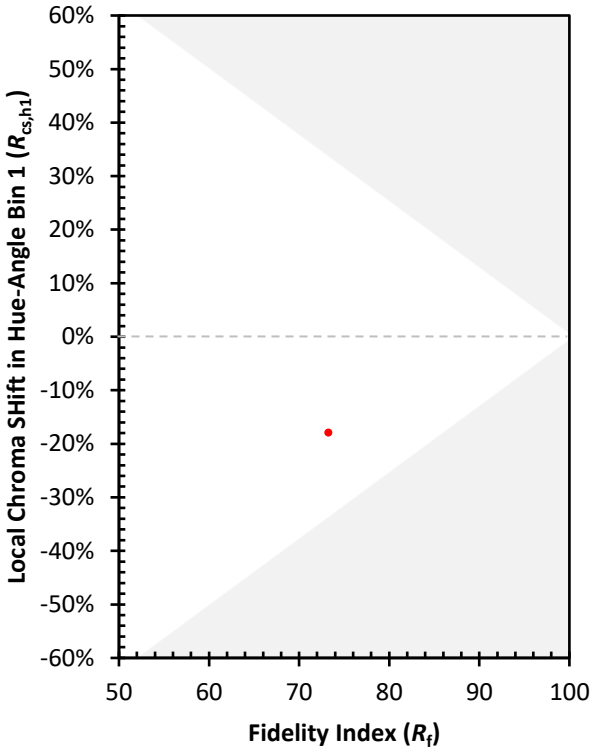


REPORT NUMBER: SP1-2407-157-5

TM-30-18

Measure Comparisons





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