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: P868106

Luminaire Tested: **MEM2-HSN-SA-130-727-U-T4W**

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:	P868106
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-130-727-U-T4W
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 130W 70CRI 2700K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source:	(30) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17350.1 lumens
Efficiency:	N/A
Efficacy:	129.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type IV - Short
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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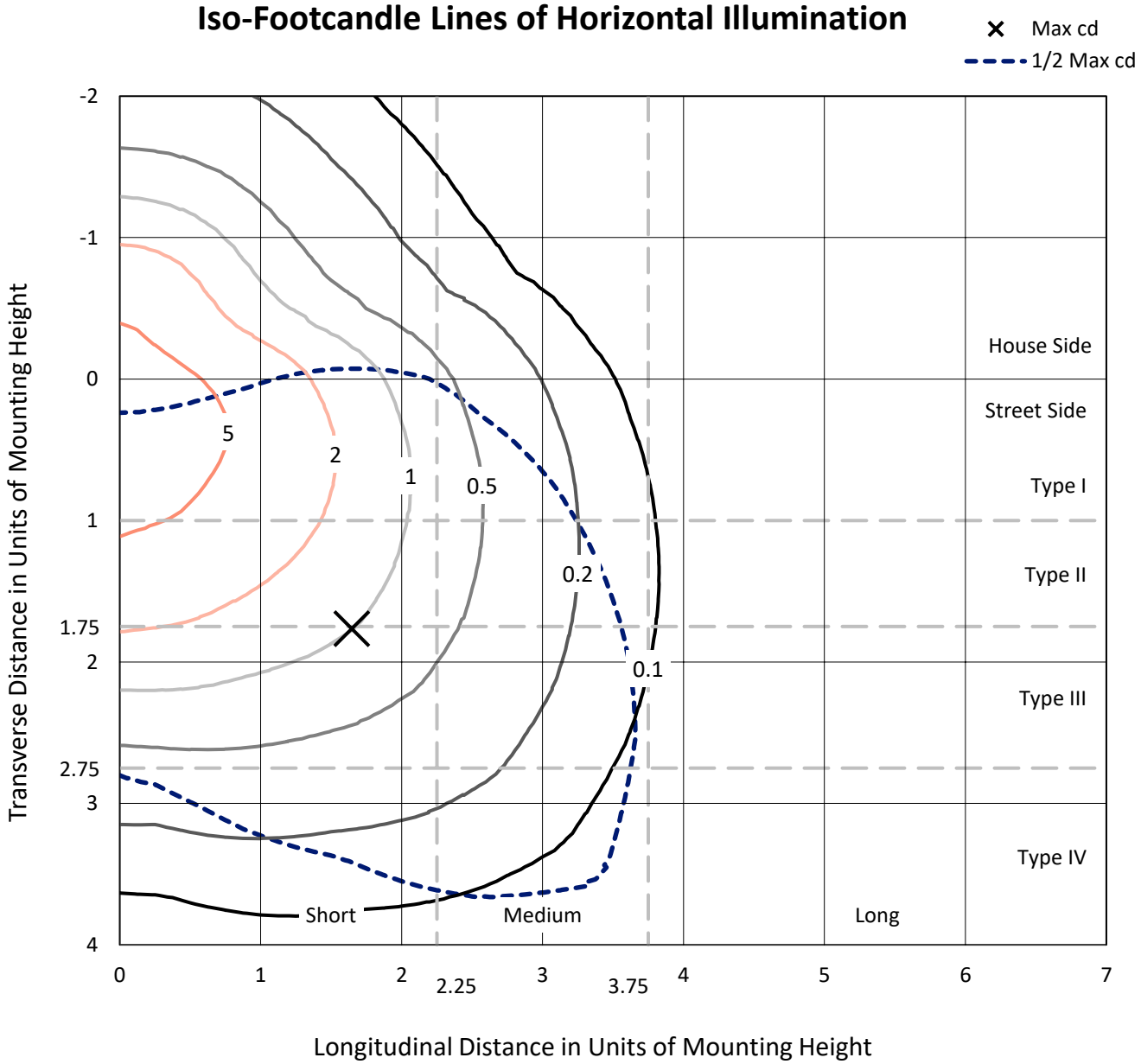
REPORT NUMBER: P868106
CATALOG NUMBER: MEM2-HSN-SA-130-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
Type IV - Short - N/A

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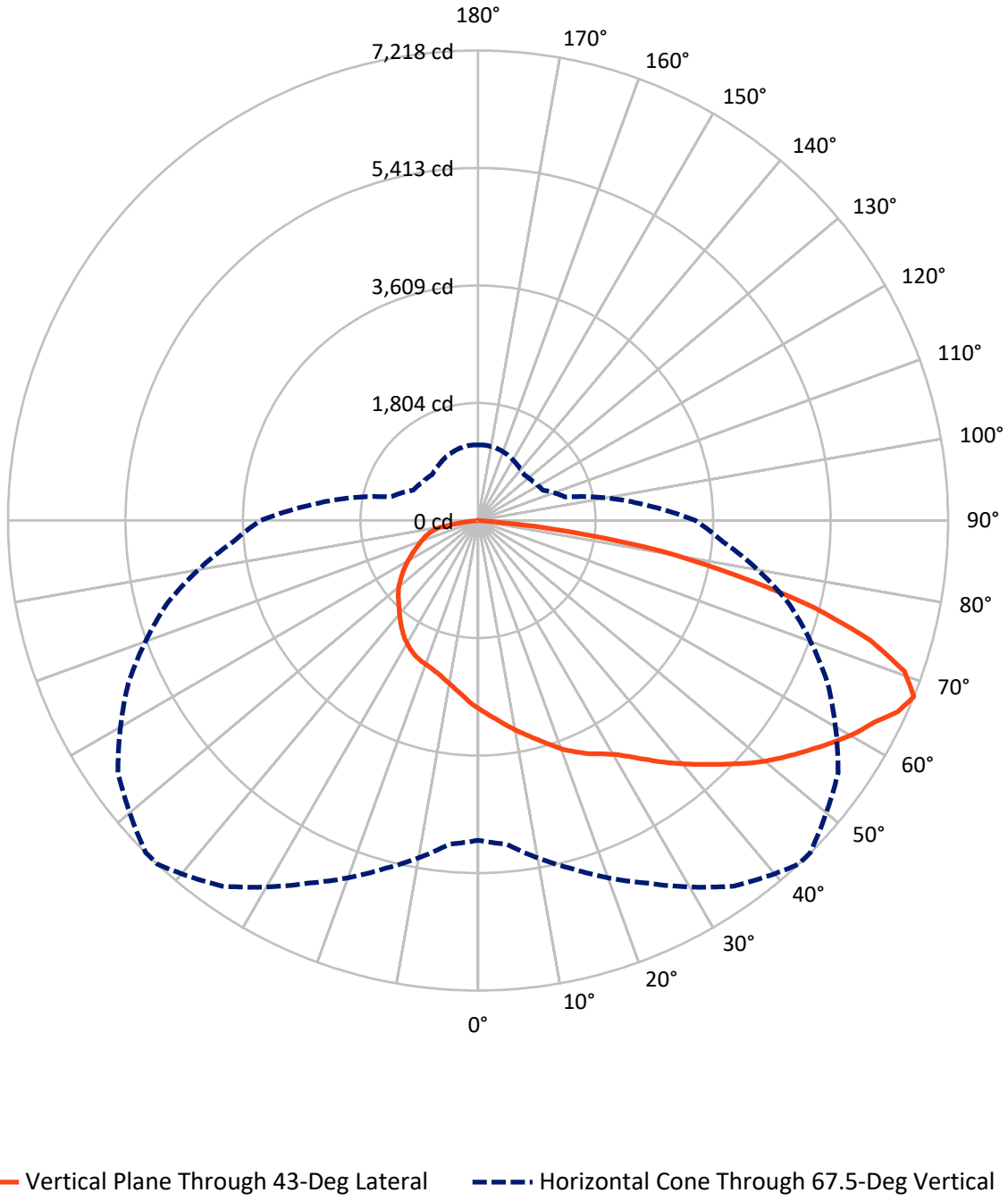
Luminous Intensity Polar Plot



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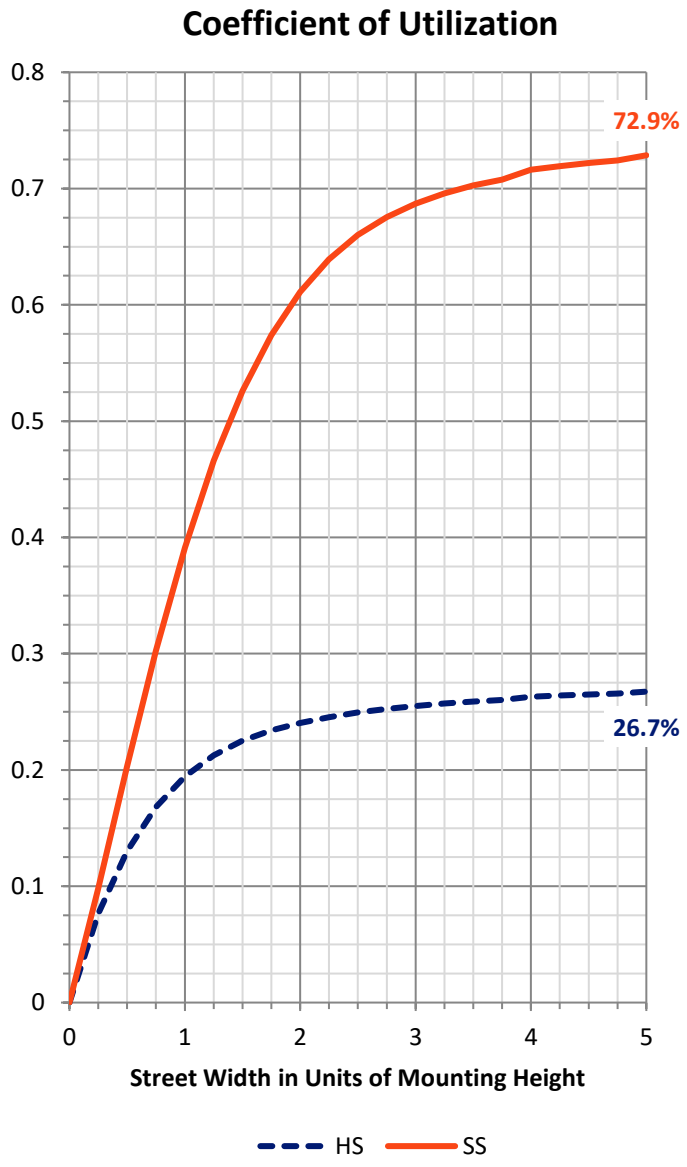
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4667.2	0.0	4667.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	12682.8	0.0	12682.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	17350.1	0.0	17350.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.2	1.6
10°-20°	846.4	4.9
20°-30°	1444.2	8.3
30°-40°	2106.3	12.1
40°-50°	2829.6	16.3
50°-60°	3463.9	20.0
60°-70°	3645.5	21.0
70°-80°	2380.0	13.7
80°-90°	357.0	2.1
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°	17350.1	100.0
0°-180°	17350.1	100.0



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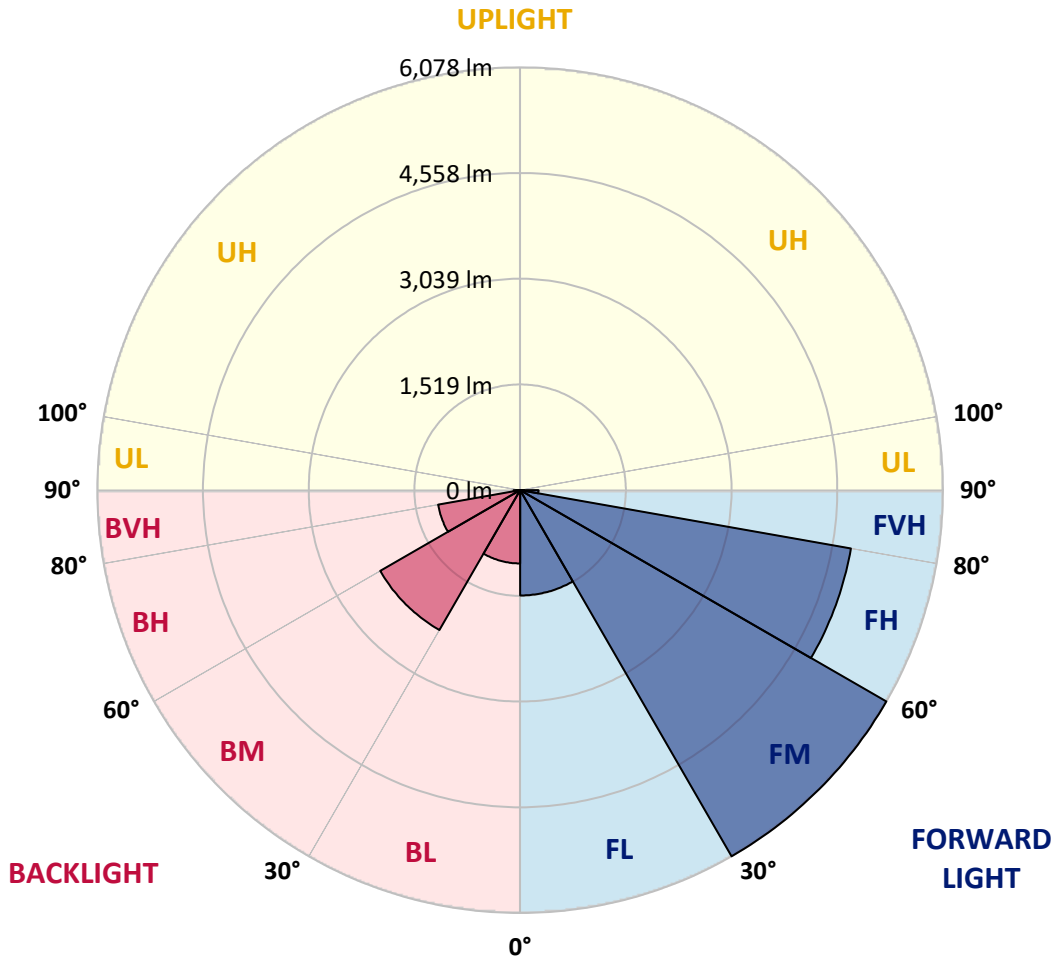
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1514.1	8.7			
FM	(30°-60°)	6077.6	35.0			
FH	(60°-80°)	4827.7	27.8			G2/5000
FVH	(80°-90°)	263.4	1.5			G3/500
BL	(0°-30°)	1053.7	6.1	B3/2500		
BM	(30°-60°)	2322.2	13.4	B2/2500		
BH	(60°-80°)	1197.8	6.9	B3/2500		G3/2500
BVH	(80°-90°)	93.6	0.5			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 IV Short



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REPORT NUMBER: P868106
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2896.2	2896.2	2896.2	2896.2	2896.2	*2896.2*	2896.2	2896.2	2896.2	2896.2	2896.2
2.5°	3029.6	3026.1	3015.6	3008.6	2987.5	*2984.0*	2984.0	2962.9	2938.4	2924.3	2910.3
5°	3166.6	3149.0	3142.0	3127.9	3092.8	*3071.8*	3078.8	3040.2	2991.0	2955.9	2917.3
7.5°	3289.4	3282.4	3257.8	3240.3	3198.2	*3177.1*	3170.1	3110.4	3047.2	2994.5	2931.4
10°	3436.9	3419.3	3405.3	3370.2	3314.0	*3282.4*	3271.9	3194.6	3113.9	3043.7	2959.4
12.5°	3570.3	3549.2	3531.7	3496.6	3440.4	*3387.7*	3373.7	3285.9	3184.1	3089.3	2984.0
15°	3672.1	3675.6	3658.0	3626.4	3563.3	*3500.1*	3489.5	3373.7	3250.8	3135.0	3008.6
17.5°	3766.9	3780.9	3770.4	3749.3	3686.1	*3622.9*	3612.4	3482.5	3335.1	3187.6	3036.7
20°	3858.1	3858.1	3854.6	3840.6	3795.0	*3752.8*	3731.8	3601.9	3415.8	3243.8	3075.3
22.5°	3910.8	3924.8	3924.8	3924.8	3896.8	*3861.7*	3854.6	3728.3	3524.6	3314.0	3110.4
25°	3991.6	4009.1	4009.1	4002.1	3977.5	*3967.0*	3956.4	3837.1	3630.0	3394.7	3149.0
27.5°	4163.6	4160.1	4132.0	4096.9	4061.8	*4058.3*	4044.2	3960.0	3752.8	3482.5	3201.7
30°	4402.3	4409.3	4374.2	4265.4	4184.6	*4167.1*	4170.6	4096.9	3896.8	3584.3	3261.3
32.5°	4767.4	4767.4	4630.5	4490.1	4374.2	*4328.6*	4318.0	4254.8	4044.2	3696.7	3328.0
35°	5041.2	5030.7	4953.5	4788.5	4644.5	*4514.6*	4497.1	4412.8	4209.2	3823.0	3401.8
37.5°	5248.3	5269.4	5209.7	5083.3	4942.9	*4718.2*	4683.1	4563.8	4360.2	3945.9	3475.5
40°	5648.6	5595.9	5452.0	5336.1	5167.6	*4918.3*	4886.8	4739.3	4514.6	4082.8	3566.8
42.5°	5939.9	5866.2	5701.2	5546.7	5336.1	*5118.5*	5090.4	4928.9	4693.7	4237.3	3661.6
45°	6357.7	6192.7	5964.5	5827.6	5529.2	*5336.1*	5301.0	5125.5	4879.7	4402.3	3780.9
47.5°	6761.4	6473.5	6231.3	6168.1	5739.8	*5571.3*	5543.2	5339.6	5079.8	4581.3	3896.8
50°	6708.8	6519.2	6438.4	6378.8	5922.4	*5792.5*	5764.4	5557.3	5283.5	4770.9	4012.6
52.5°	6575.4	6592.9	6596.4	6452.5	6094.4	*5999.6*	5971.5	5792.5	5494.1	4935.9	4125.0
55°	6715.8	6736.8	6733.3	6515.7	6294.5	*6206.7*	6189.2	6031.2	5697.7	5090.4	4205.7
57.5°	6929.9	6859.7	6849.2	6673.6	6508.7	*6427.9*	6406.8	6269.9	5869.7	5202.7	4268.9
60°	6968.5	6828.1	6873.8	6708.8	6670.1	*6645.6*	6638.5	6477.1	6031.2	5294.0	4293.5
62.5°	6536.7	6512.2	6691.2	6624.5	6754.4	*6824.6*	6828.1	6624.5	6119.0	5329.1	4268.9
65°	5799.5	5897.8	6284.0	6477.1	6880.8	*7080.9*	7073.9	6712.3	6108.4	5227.3	4117.9
67.5°	*4911.3*	*4988.6*	*5532.7*	*6143.5*	*6852.7*	*7217.8*	*7214.3*	*6750.9*	*5925.9*	*4946.4*	*3777.4*
70°	3724.7	3967.0	4739.3	5543.2	6473.5	*6947.5*	7007.2	6533.2	5508.1	4433.9	3261.3
72.5°	2833.1	2871.7	3805.5	4648.0	5796.0	*6305.0*	6294.5	5838.1	4809.5	3735.3	2717.2
75°	2011.6	2095.8	2864.6	3601.9	4749.8	*5315.0*	5290.5	4788.5	3837.1	2906.8	2078.3
77.5°	1499.0	1530.6	2095.8	2671.6	3552.7	*4061.8*	4051.2	3538.7	2822.5	2134.4	1548.2
80°	1095.3	1148.0	1509.6	1864.1	2408.3	*2847.1*	2833.1	2348.6	1811.5	1492.0	1130.4
82.5°	614.4	653.0	877.6	1126.9	1270.8	*1407.8*	1348.1	1126.9	825.0	642.4	554.7
85°	17.6	21.1	31.6	38.6	66.7	*112.3*	122.9	108.8	129.9	80.7	87.8
87.5°	7.0	7.0	7.0	7.0	7.0	*10.5*	10.5	10.5	10.5	10.5	10.5
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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CATALOG NUMBER: MEM2-HSN-SA-130-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2
2.5°	2903.3	2889.2	2861.1	2843.6	2833.1	2819.0	2797.9	2783.9	2773.4	2787.4	2783.9
5°	2899.8	2871.7	2822.5	2787.4	2752.3	2724.2	2692.6	2668.1	2654.0	2661.0	2657.5
7.5°	2899.8	2864.6	2787.4	2731.2	2678.6	2636.5	2601.4	2569.8	2555.7	2559.2	2555.7
10°	2913.8	2864.6	2762.8	2682.1	2611.9	2562.7	2524.1	2496.0	2485.5	2496.0	2499.5
12.5°	2927.8	2864.6	2741.8	2640.0	2548.7	2496.0	2460.9	2443.4	2450.4	2453.9	2457.4
15°	2934.9	2861.1	2720.7	2590.8	2489.0	2432.8	2411.8	2408.3	2425.8	2443.4	2446.9
17.5°	2952.4	2857.6	2689.1	2541.7	2436.4	2390.7	2380.2	2394.2	2429.3	2453.9	2460.9
20°	2973.5	2864.6	2654.0	2482.0	2383.7	2348.6	2366.1	2397.7	2439.9	2475.0	2482.0
22.5°	2994.5	2868.2	2622.4	2429.3	2327.5	2320.5	2359.1	2404.8	2453.9	2489.0	2496.0
25°	3019.1	2868.2	2580.3	2362.6	2271.4	2281.9	2341.6	2401.2	2446.9	2492.5	2499.5
27.5°	3043.7	2875.2	2534.7	2288.9	2201.1	2232.7	2306.5	2380.2	2429.3	2475.0	2485.5
30°	3085.8	2889.2	2496.0	2225.7	2130.9	2173.1	2260.8	2345.1	2397.7	2446.9	2457.4
32.5°	3127.9	2910.3	2464.4	2159.0	2060.7	2109.9	2208.2	2303.0	2359.1	2404.8	2411.8
35°	3184.1	2938.4	2439.9	2092.3	1990.5	2029.1	2134.4	2239.8	2303.0	2338.1	2355.6
37.5°	3243.8	2977.0	2418.8	2032.6	1913.3	1948.4	2060.7	2173.1	2239.8	2274.9	2281.9
40°	3317.5	3029.6	2404.8	1976.5	1839.6	1867.6	1980.0	2102.8	2166.0	2190.6	2204.7
42.5°	3398.3	3085.8	2394.2	1920.3	1758.8	1786.9	1906.3	2025.6	2088.8	2109.9	2120.4
45°	3500.1	3159.5	2387.2	1860.6	1692.1	1716.7	1836.0	1955.4	2008.1	2036.1	2046.7
47.5°	3594.9	3233.3	2366.1	1790.4	1618.4	1653.5	1762.3	1867.6	1927.3	1944.9	1955.4
50°	3689.6	3296.5	2324.0	1713.2	1551.7	1583.3	1681.6	1758.8	1804.4	1825.5	1832.5
52.5°	3780.9	3342.1	2257.3	1632.4	1481.5	1502.5	1583.3	1657.0	1688.6	1695.6	1716.7
55°	3840.6	3366.7	2162.5	1537.6	1411.3	1418.3	1478.0	1544.7	1562.2	1565.7	1565.7
57.5°	3882.7	3352.6	2050.2	1442.9	1341.0	1341.0	1376.2	1428.8	1435.8	1439.3	1446.4
60°	3889.7	3303.5	1906.3	1355.1	1263.8	1253.3	1288.4	1320.0	1323.5	1330.5	1337.5
62.5°	3837.1	3194.6	1751.8	1270.8	1190.1	1165.5	1197.1	1228.7	1246.3	1256.8	1263.8
65°	3675.6	2973.5	1576.3	1186.6	1119.9	1077.8	1116.4	1169.0	1204.1	1207.6	1207.6
67.5°	*3338.6*	*2615.4*	*1390.2*	*1098.8*	*1035.6*	*997.0*	*1046.2*	*1102.3*	*1144.5*	*1162.0*	*1158.5*
70°	2829.5	2218.7	1218.2	1007.5	951.4	926.8	979.5	1042.6	1077.8	1091.8	1098.8
72.5°	2278.4	1776.4	1067.2	916.3	877.6	863.6	916.3	979.5	1028.6	1049.7	1053.2
75°	1772.9	1397.2	940.8	821.5	789.9	793.4	849.6	912.8	965.4	975.9	944.4
77.5°	1376.2	1112.9	821.5	709.1	691.6	716.2	772.3	839.0	870.6	881.2	860.1
80°	993.5	853.1	663.5	558.2	558.2	596.8	646.0	723.2	733.7	719.7	726.7
82.5°	470.4	414.3	326.5	270.3	252.8	280.8	298.4	323.0	351.1	358.1	340.5
85°	63.2	42.1	31.6	35.1	31.6	21.1	14.0	14.0	14.0	10.5	10.5
87.5°	10.5	10.5	7.0	7.0	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-30-727-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-727-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

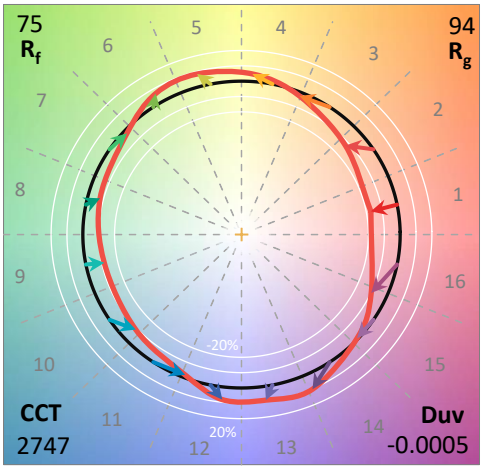
Test Information

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-30-727-U-5WQ-2**
Description:	Epic Modern Light Square 30W 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

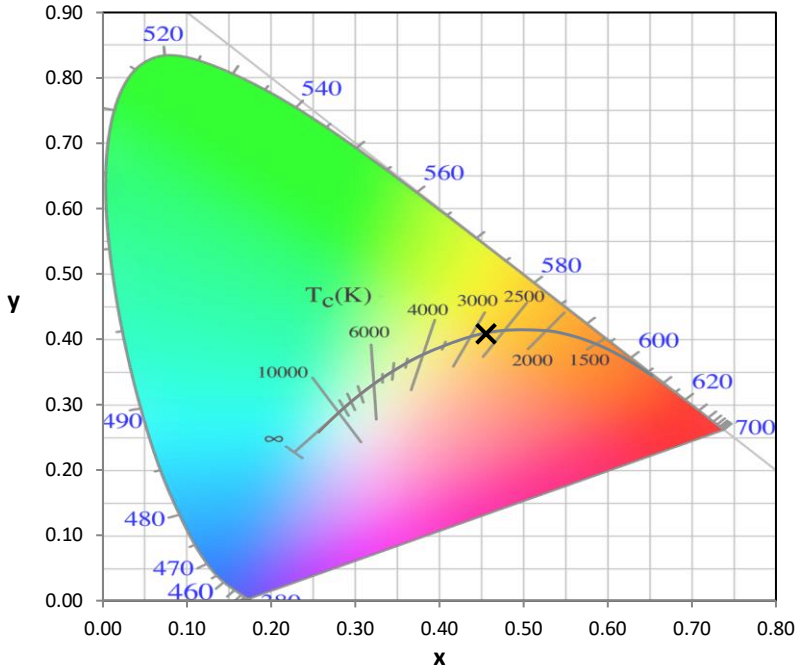
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-3

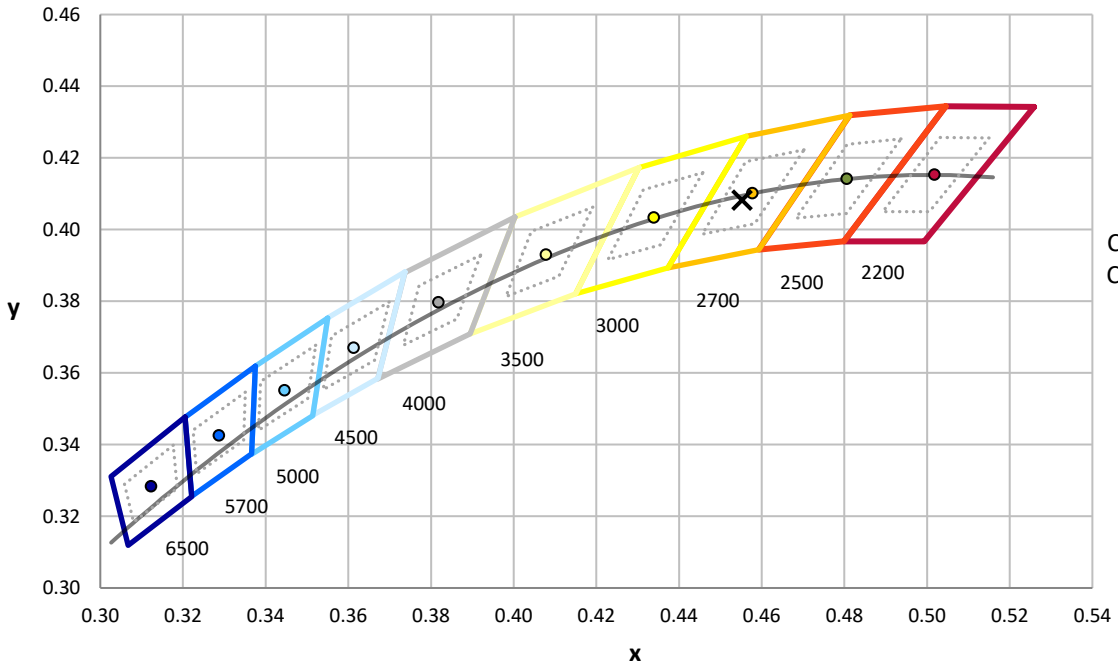
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

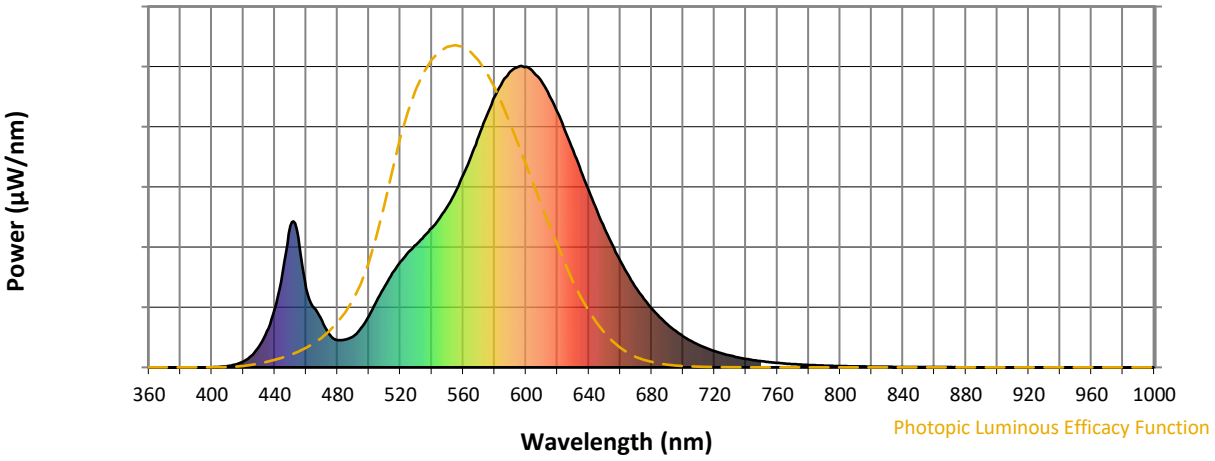


CCT = 2747K
CIE x = 0.4552
CIE y = 0.4082
Duv = -0.0005

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-3

Photopic Flux vs. Wavelength

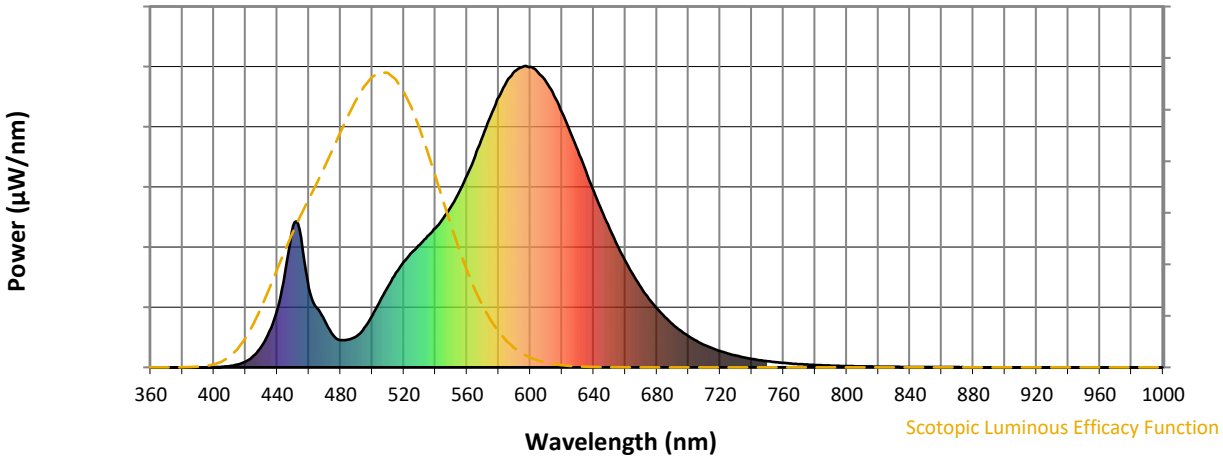


Photopic Lumens: NR

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

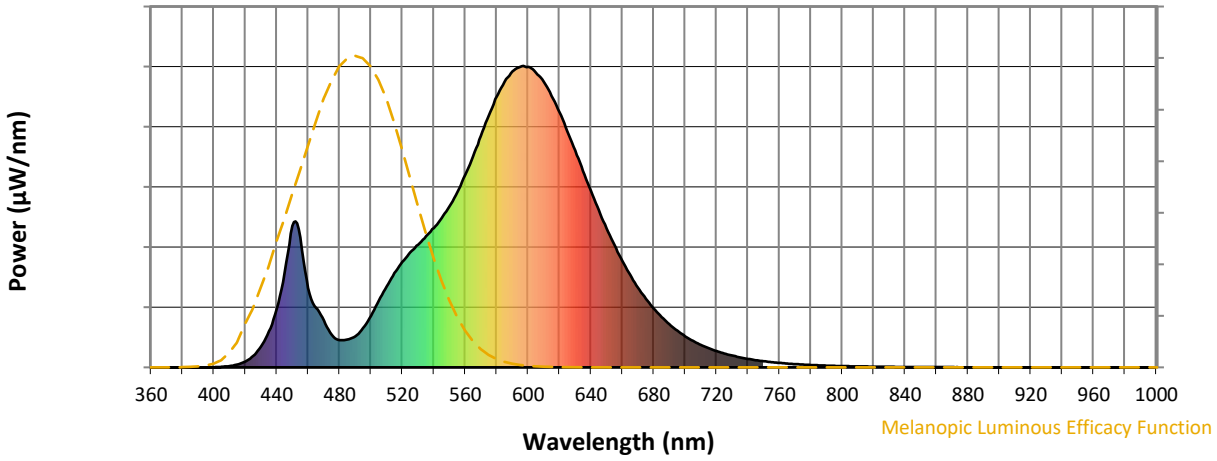


Scotopic Lumens: NR **S/P: 1.13**

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			

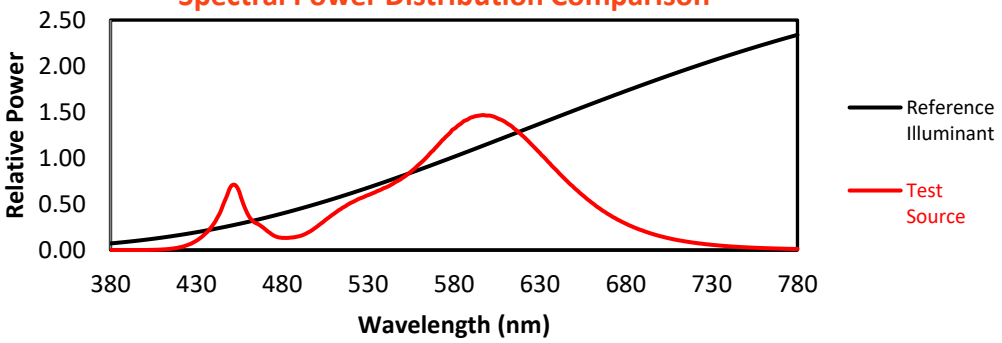
REPORT NUMBER: SP1-2407-157-3

TM-30-18

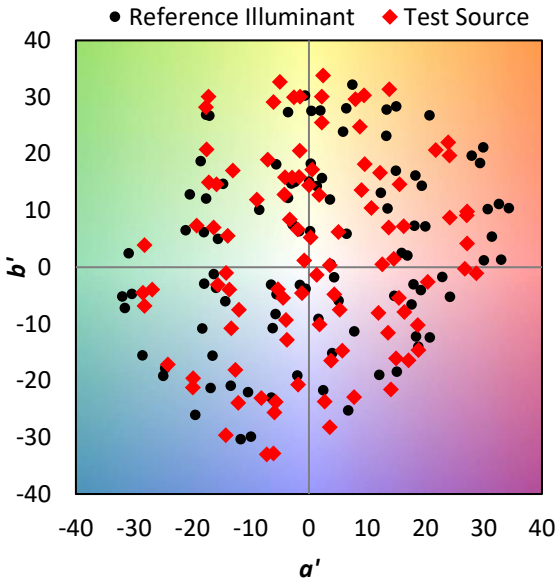
Summary

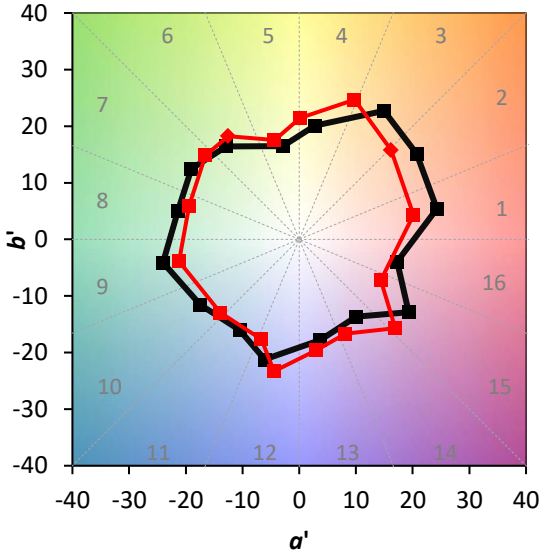
R_f = 75.5
R_g = 93.6
CIE R_a = 71.7
R_9 = -35.3

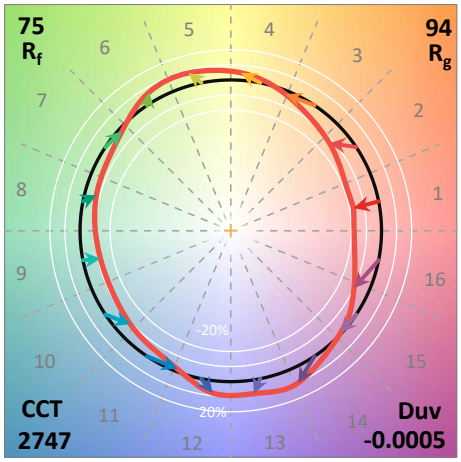
Spectral Power Distribution Comparison

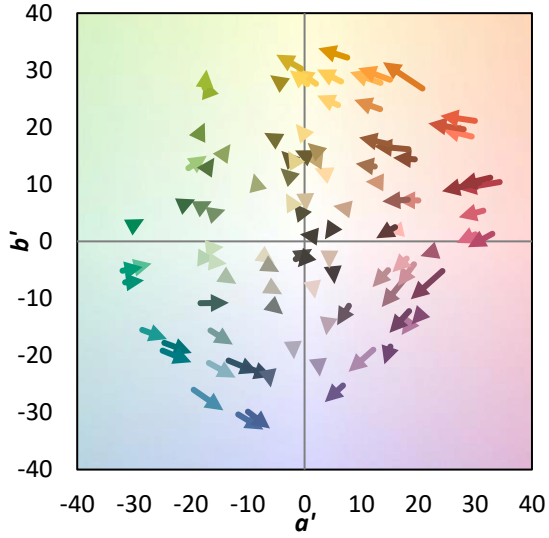


Color Vector Graphics







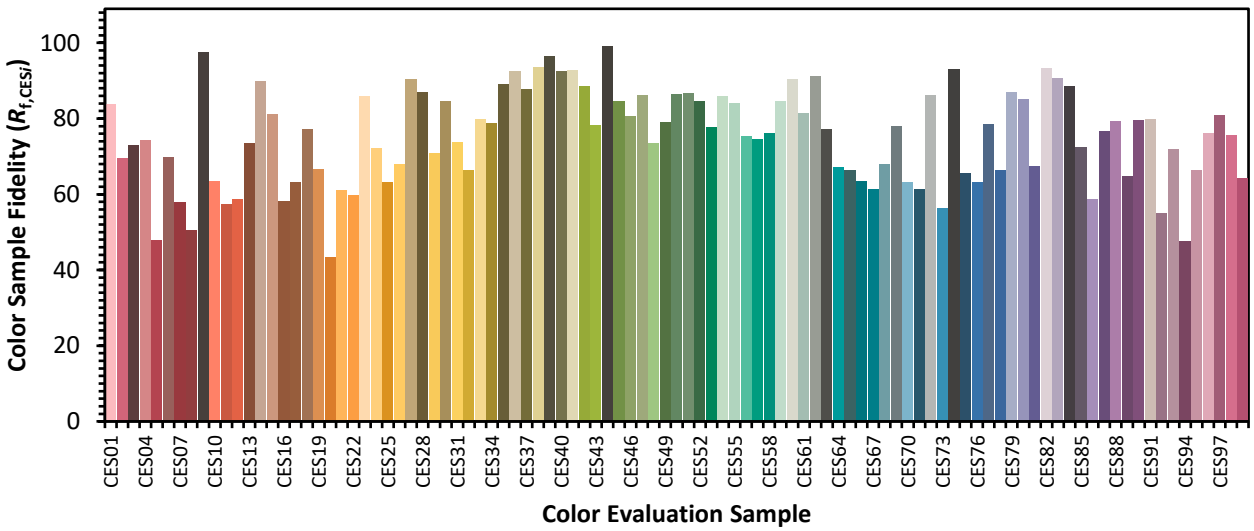


REPORT NUMBER: SP1-2407-157-3

TM-30-18

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

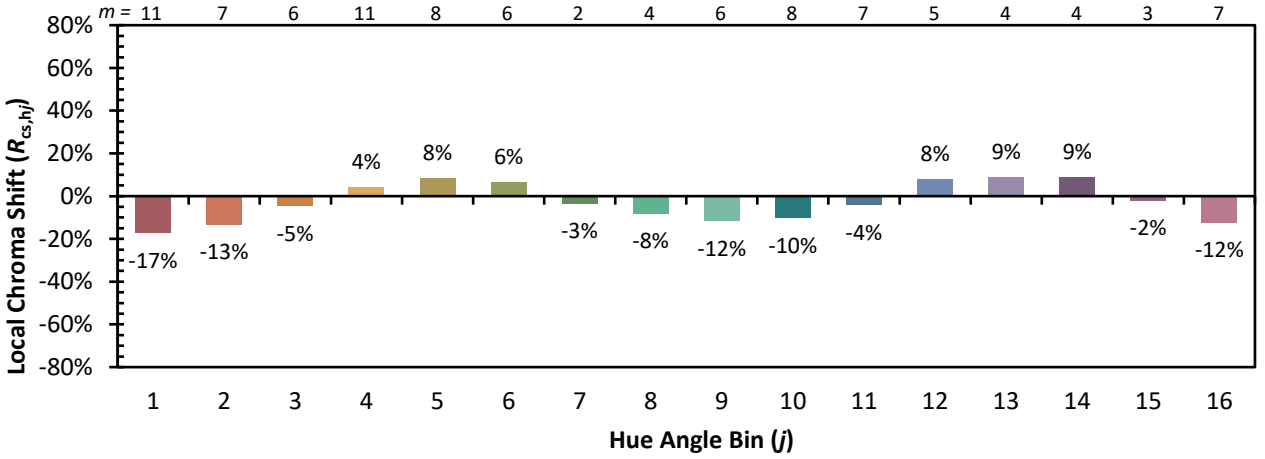
CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 63
CES02 = 63	CES27 = 90	CES52 = 85	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 66
CES04 = 71	CES29 = 71	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 85	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 66	CES57 = 75	CES82 = 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	

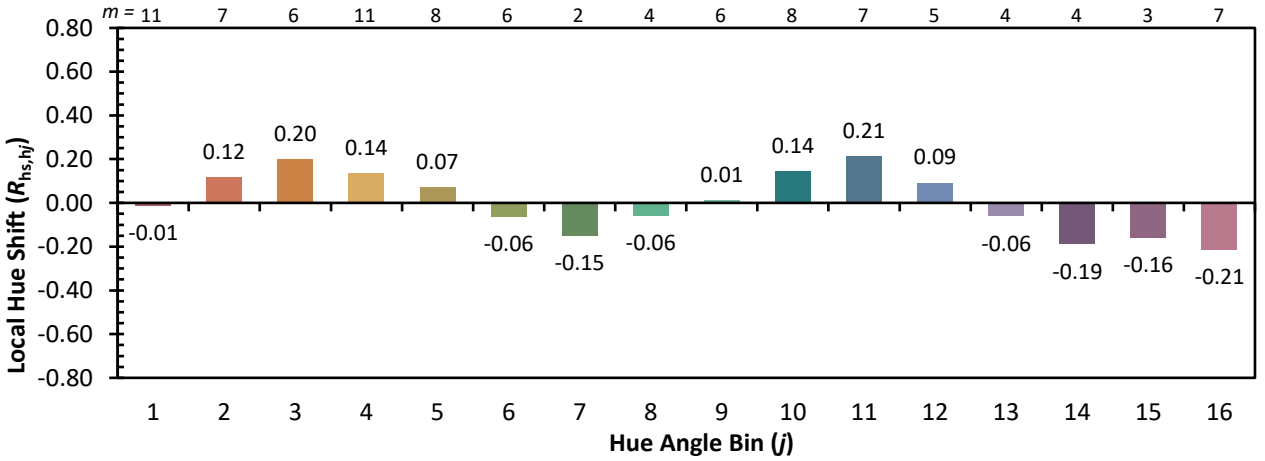


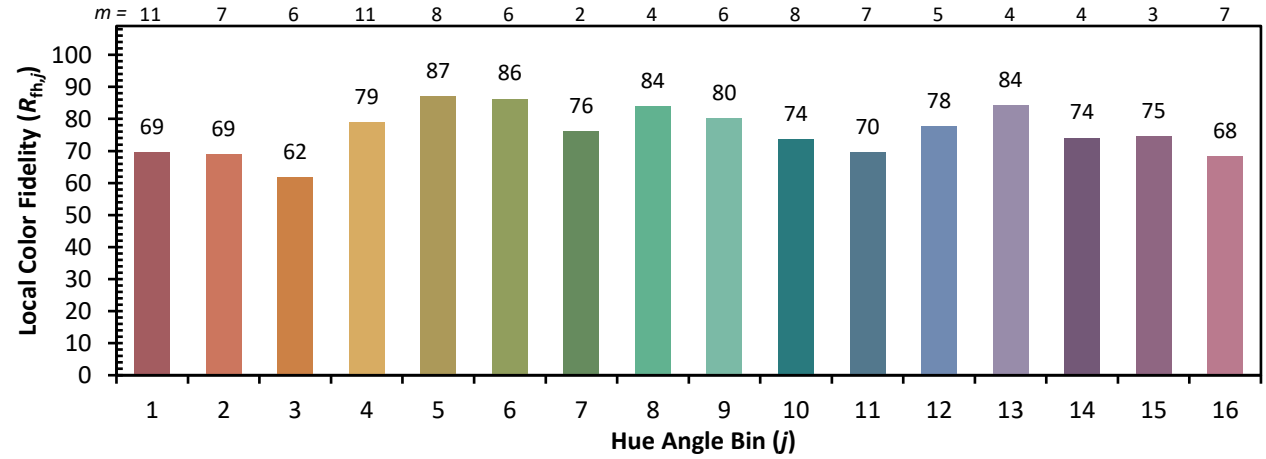
REPORT NUMBER: SP1-2407-157-3

TM-30-18

Color Rendition by Hue-Angle Bin



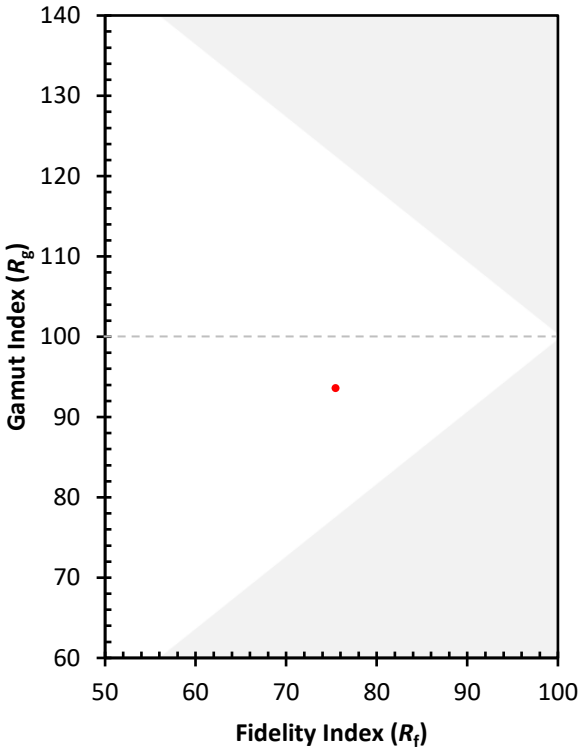


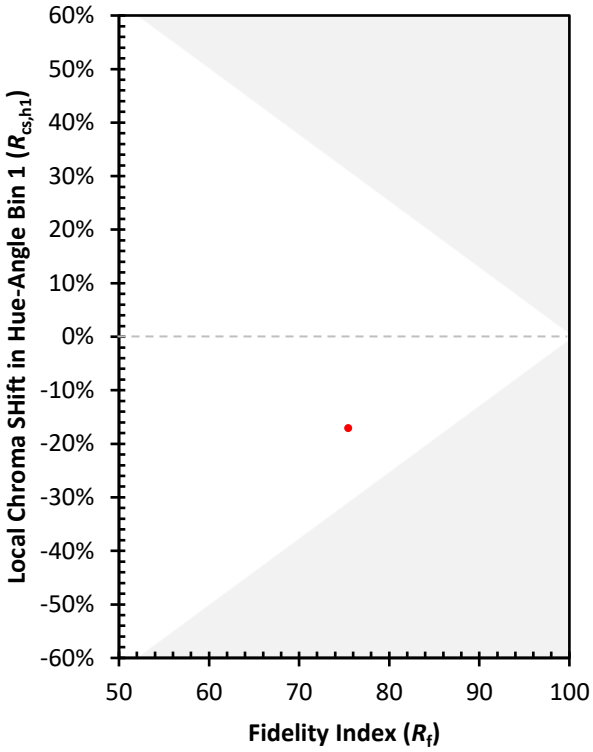


REPORT NUMBER: SP1-2407-157-3

TM-30-18

Measure Comparisons





(END OF REPORT)