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: P867861

Luminaire Tested: **MEM2-HSN-SA-130-727-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:	P867861
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-T1
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 130W 70CRI 2700K FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC
Light Source:	(30) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18283.6 lumens
Efficiency:	N/A
Efficacy:	136.4 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):	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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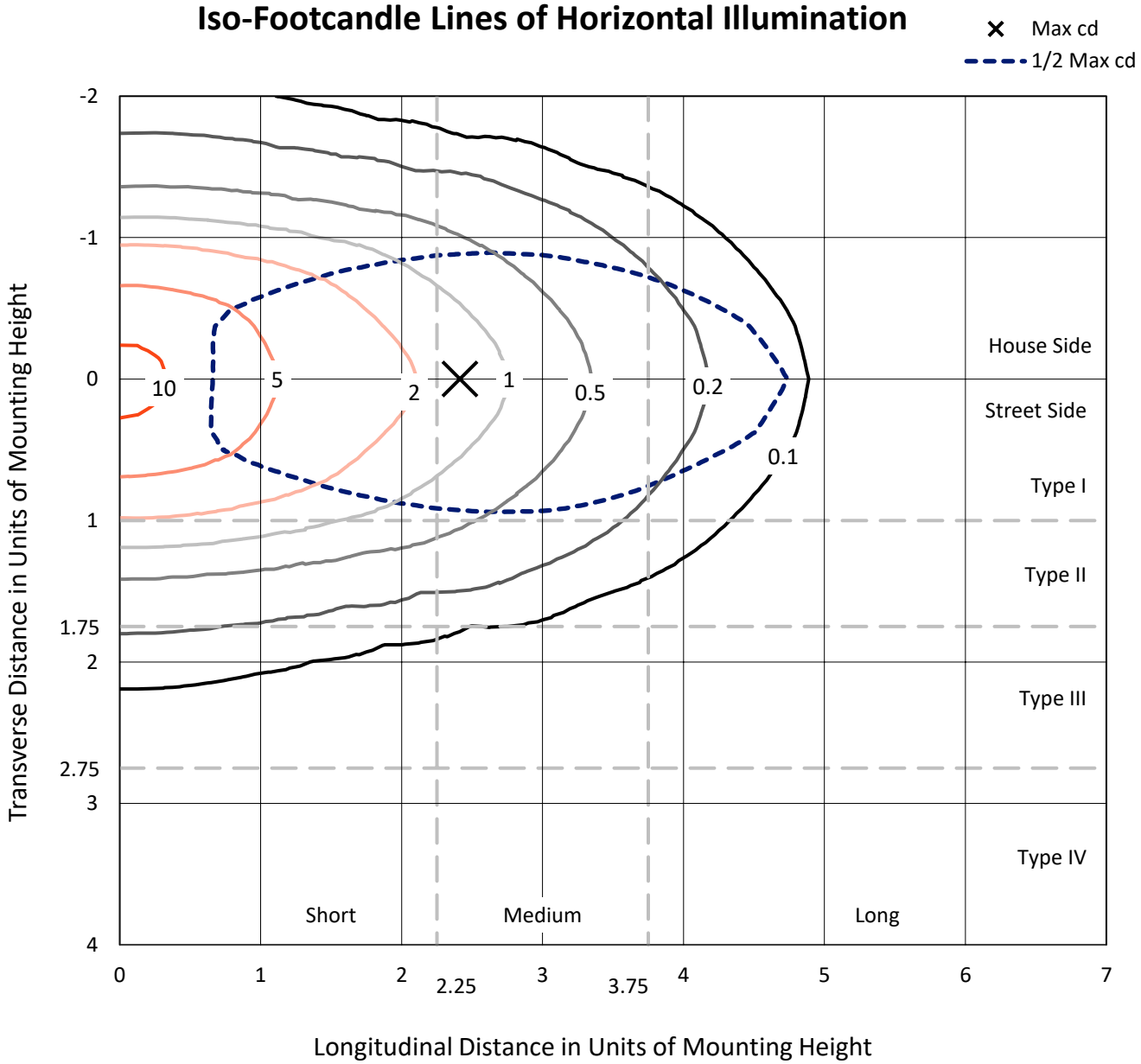
REPORT NUMBER: P867861
CATALOG NUMBER: MEM2-HSN-SA-130-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 11.1 fc
Type I - Short - N/A

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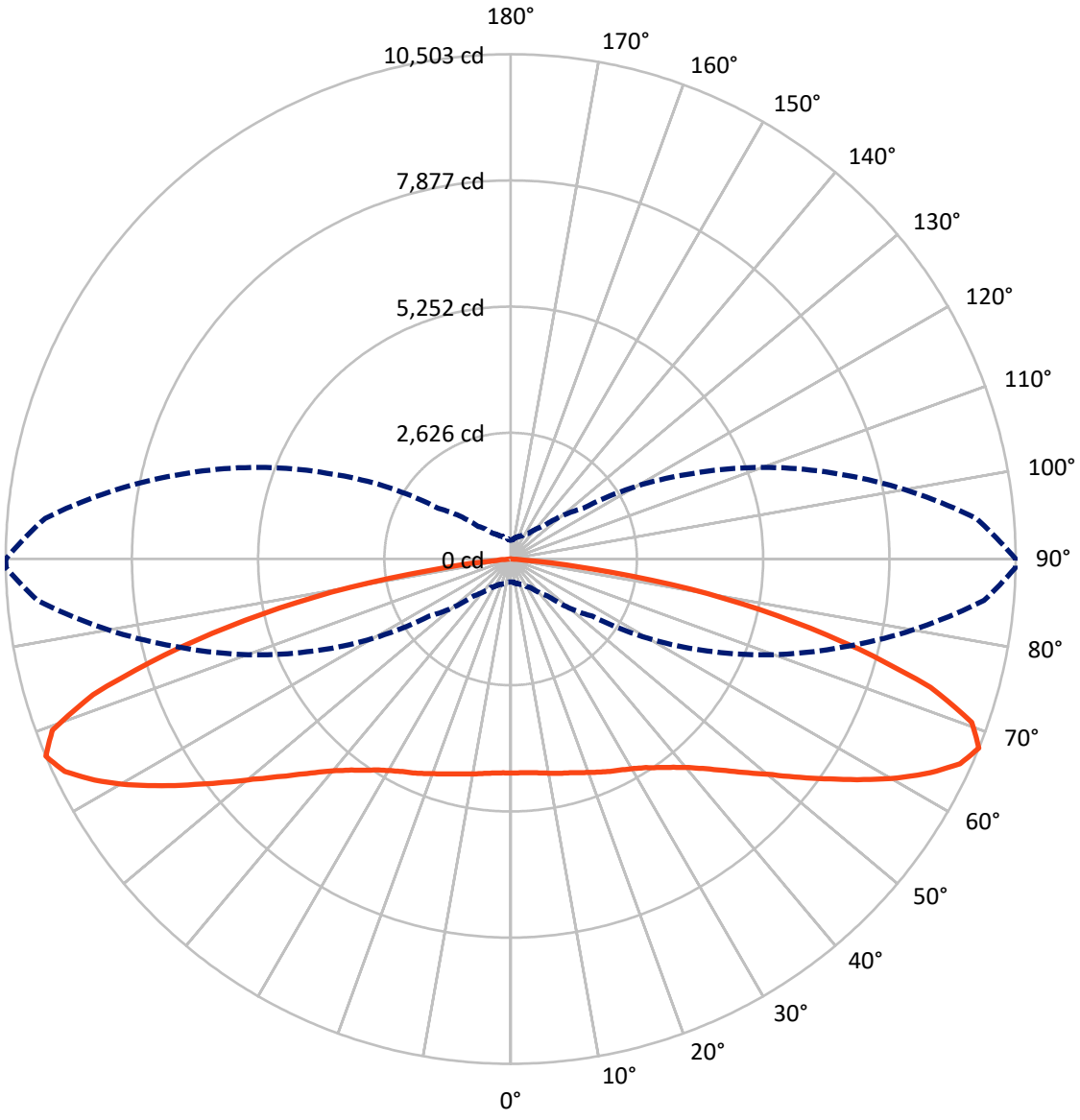
Luminous Intensity Polar Plot



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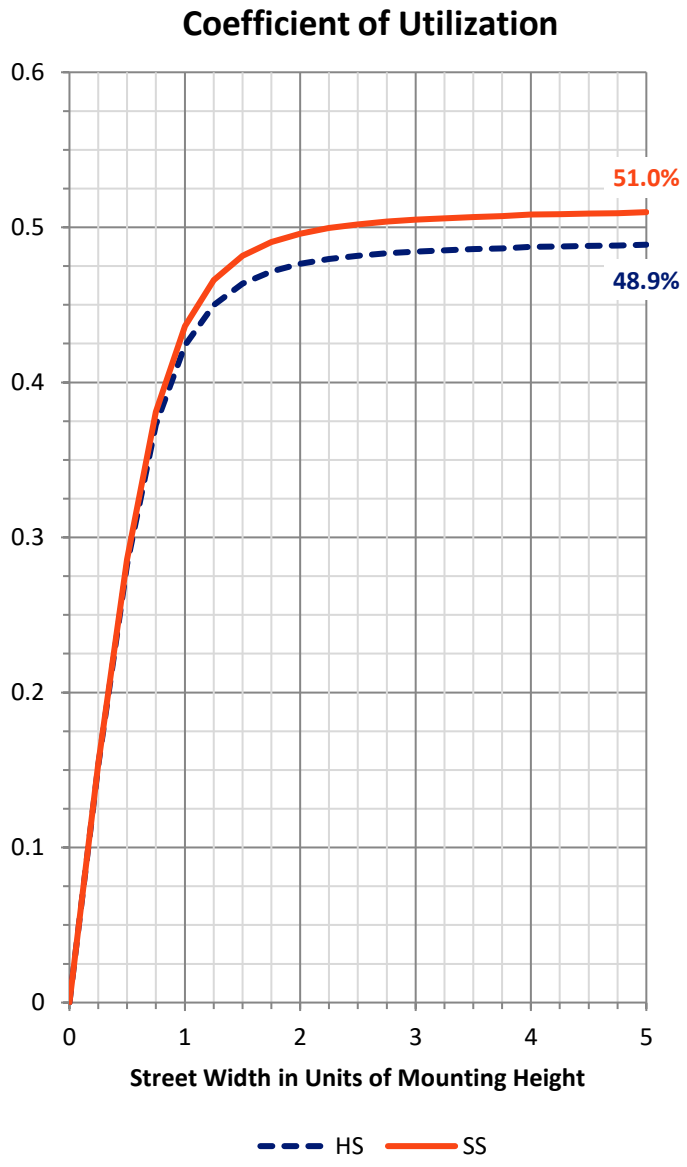
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8979.4	0.0	8979.4
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	9304.1	0.0	9304.1
	% Fixture	50.9	0.0	50.9
Total	Lumens	18283.6	0.0	18283.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.9	2.3
10°-20°	1283.0	7.0
20°-30°	2123.3	11.6
30°-40°	2815.5	15.4
40°-50°	3174.4	17.4
50°-60°	3254.2	17.8
60°-70°	3073.6	16.8
70°-80°	1885.9	10.3
80°-90°	246.8	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°	18283.6	100.0
0°-180°	18283.6	100.0



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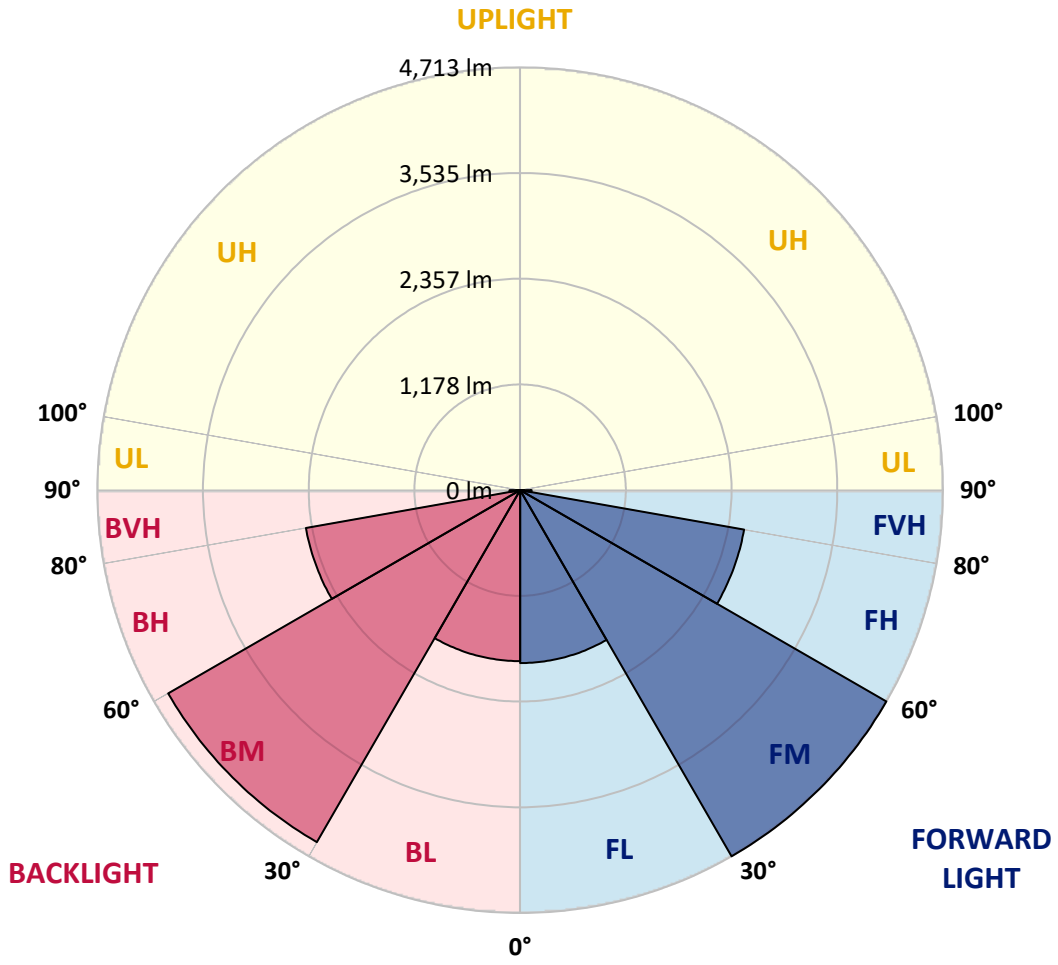
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1927.6	10.5			
FM	(30°-60°)	4713.3	25.8			
FH	(60°-80°)	2534.7	13.9			G2/5000
FVH	(80°-90°)	128.5	0.7			G2/225
BL	(0°-30°)	1905.6	10.4	B3/2500		
BM	(30°-60°)	4530.8	24.8	B3/5000		
BH	(60°-80°)	2424.8	13.3	B3/2500		G3/2500
BVH	(80°-90°)	118.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8
2.5°	4472.3	4472.3	4461.8	4444.2	4440.7	4444.2	4465.3	4454.8	4454.8	4458.3	4454.8
5°	4472.3	4472.3	4465.3	4447.7	4447.7	4447.7	4472.3	4461.8	4465.3	4468.8	4468.8
7.5°	4479.3	4479.3	4472.3	4458.3	4458.3	4458.3	4493.4	4486.4	4486.4	4496.9	4489.9
10°	4496.9	4489.9	4482.8	4486.4	4475.8	4493.4	4510.9	4514.4	4528.5	4535.5	4532.0
12.5°	4496.9	4489.9	4472.3	4493.4	4493.4	4517.9	4542.5	4556.6	4574.1	4574.1	4574.1
15°	4475.8	4468.8	4454.8	4489.9	4503.9	4535.5	4570.6	4591.7	4623.3	4623.3	4619.8
17.5°	4451.2	4440.7	4433.7	4486.4	4517.9	4560.1	4612.7	4640.8	4675.9	4679.4	4672.4
20°	4405.6	4402.1	4405.6	4475.8	4532.0	4591.7	4654.9	4693.5	4739.1	4753.1	4742.6
22.5°	4356.5	4356.5	4370.5	4465.3	4553.1	4633.8	4718.0	4767.2	4812.8	4826.9	4812.8
25°	4289.8	4289.8	4317.9	4430.2	4560.1	4679.4	4777.7	4844.4	4886.5	4900.6	4893.6
27.5°	4188.0	4188.0	4219.6	4360.0	4539.0	4714.5	4840.9	4918.1	4963.8	4977.8	4970.8
30°	4044.0	4037.0	4079.1	4254.7	4500.4	4753.1	4914.6	4995.4	5055.0	5065.6	5055.0
32.5°	3815.9	3826.4	3889.6	4110.7	4437.2	4777.7	5002.4	5097.2	5163.9	5184.9	5177.9
35°	3538.5	3556.1	3643.8	3928.2	4317.9	4774.2	5093.7	5209.5	5297.3	5325.4	5321.8
37.5°	3208.5	3233.1	3341.9	3675.4	4138.8	4721.6	5177.9	5335.9	5451.7	5486.8	5493.9
40°	2847.0	2871.5	3012.0	3380.6	3896.6	4598.7	5227.1	5479.8	5634.3	5704.5	5715.0
42.5°	2464.3	2506.5	2675.0	3033.0	3605.2	4402.1	5227.1	5620.2	5809.8	5939.7	5950.2
45°	2095.7	2130.8	2334.4	2685.5	3292.8	4149.4	5167.4	5760.6	6048.5	6273.2	6266.2
47.5°	1776.3	1786.8	1972.9	2327.4	2945.3	3861.5	5044.5	5887.0	6301.3	6599.6	6662.8
50°	1446.3	1470.9	1628.8	1979.9	2590.7	3545.6	4837.4	5967.8	6561.0	7013.9	7094.6
52.5°	1214.6	1218.1	1337.5	1660.4	2222.1	3162.9	4588.2	5988.8	6810.3	7463.2	7561.5
55°	989.9	1007.5	1109.3	1351.5	1867.6	2787.3	4265.2	5957.2	7038.4	7898.5	8081.1
57.5°	849.5	853.0	926.8	1119.8	1576.2	2387.1	3907.1	5851.9	7228.0	8379.4	8611.1
60°	730.2	730.2	786.3	933.8	1274.3	1997.4	3485.9	5665.9	7333.3	8895.5	9232.5
62.5°	635.4	638.9	688.0	796.9	1060.2	1649.9	3022.5	5374.5	7371.9	9394.0	9780.1
65°	575.7	579.2	607.3	681.0	874.1	1341.0	2548.6	5019.9	7319.3	9766.1	10268.1
67.5°	*477.4*	*480.9*	*530.1*	*586.2*	*726.7*	*1077.7*	*2071.2*	*4528.5*	*7105.1*	*9881.9*	*10496.2*
70°	365.1	375.6	442.3	502.0	603.8	860.1	1590.2	3879.0	6592.6	9488.7	10120.6
72.5°	305.4	308.9	358.1	424.8	505.5	674.0	1207.6	3054.1	5813.3	8474.2	9176.3
75°	266.8	270.3	298.4	358.1	421.3	540.6	839.0	2109.8	4637.3	6852.4	7494.8
77.5°	242.2	245.7	252.8	301.9	354.6	417.7	593.3	1253.2	3271.7	5237.6	5574.6
80°	231.7	231.7	214.1	249.2	291.4	326.5	396.7	719.6	2099.2	3531.5	3801.8
82.5°	165.0	161.5	147.4	154.5	179.0	179.0	203.6	298.4	803.9	1491.9	1618.3
85°	10.5	10.5	17.6	21.1	31.6	42.1	52.7	70.2	203.6	277.3	287.9
87.5°	3.5	3.5	3.5	3.5	3.5	7.0	7.0	7.0	10.5	14.0	14.0
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: P867861
CATALOG NUMBER: MEM2-HSN-SA-130-727-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8	4454.8
2.5°	4451.2	4454.8	4454.8	4461.8	4468.8	4465.3	4461.8	4468.8	4458.3	4437.2	4433.7
5°	4465.3	4465.3	4461.8	4468.8	4475.8	4468.8	4461.8	4461.8	4454.8	4433.7	4430.2
7.5°	4493.4	4489.9	4489.9	4489.9	4489.9	4479.3	4468.8	4461.8	4451.2	4430.2	4419.7
10°	4532.0	4528.5	4525.0	4521.5	4503.9	4493.4	4475.8	4465.3	4451.2	4426.7	4419.7
12.5°	4574.1	4567.1	4560.1	4563.6	4528.5	4496.9	4479.3	4454.8	4444.2	4388.1	4377.5
15°	4616.2	4605.7	4602.2	4588.2	4553.1	4507.4	4472.3	4437.2	4402.1	4349.4	4331.9
17.5°	4672.4	4665.4	4644.3	4630.3	4581.1	4517.9	4465.3	4416.1	4370.5	4307.3	4296.8
20°	4739.1	4732.1	4711.0	4682.9	4619.8	4542.5	4468.8	4391.6	4335.4	4261.7	4244.1
22.5°	4812.8	4802.3	4784.7	4753.1	4672.4	4581.1	4479.3	4377.5	4293.3	4209.0	4198.5
25°	4890.1	4883.0	4865.5	4819.8	4732.1	4619.8	4479.3	4328.4	4223.1	4149.4	4117.8
27.5°	4963.8	4960.3	4939.2	4886.5	4795.3	4647.8	4447.7	4247.6	4107.2	4008.9	3987.9
30°	5058.6	5051.5	5027.0	4967.3	4865.5	4665.4	4384.6	4110.7	3935.2	3826.4	3794.8
32.5°	5174.4	5167.4	5132.3	5058.6	4949.7	4668.9	4293.3	3935.2	3703.5	3587.7	3549.1
35°	5328.9	5314.8	5269.2	5181.4	5030.5	4633.8	4131.8	3710.5	3426.2	3275.2	3222.6
37.5°	5497.4	5479.8	5420.1	5311.3	5086.6	4539.0	3903.6	3408.6	3085.7	2906.7	2868.0
40°	5704.5	5679.9	5588.6	5437.7	5107.7	4374.0	3647.4	3099.7	2755.7	2559.1	2513.5
42.5°	5964.3	5922.1	5774.7	5578.1	5065.6	4149.4	3341.9	2780.3	2387.1	2204.6	2194.0
45°	6276.7	6210.0	5988.8	5715.0	4974.3	3868.5	3019.0	2422.2	2046.6	1867.6	1821.9
47.5°	6645.3	6564.5	6238.1	5820.3	4795.3	3580.7	2671.5	2074.7	1730.7	1548.1	1513.0
50°	7052.5	6975.3	6501.4	5880.0	4602.2	3243.7	2330.9	1765.8	1421.7	1270.8	1270.8
52.5°	7547.5	7371.9	6754.1	5887.0	4307.3	2871.5	2004.5	1463.9	1193.6	1060.2	1032.1
55°	8074.0	7866.9	6982.3	5823.8	4001.9	2531.0	1653.4	1218.1	979.4	884.6	860.1
57.5°	8660.3	8344.3	7147.3	5697.5	3615.8	2158.9	1379.6	1004.0	825.0	747.7	737.2
60°	9250.0	8842.8	7245.6	5483.3	3205.0	1814.9	1147.9	839.0	709.1	652.9	642.4
62.5°	9797.7	9250.0	7252.6	5170.9	2804.8	1513.0	940.8	723.2	628.4	586.2	586.2
65°	10271.6	9590.5	7133.2	4770.7	2295.8	1214.6	775.8	610.8	547.6	502.0	491.5
67.5°	10503.3	9720.4	6922.6	4223.1	1839.5	961.9	652.9	530.1	470.4	400.2	393.2
70°	10176.8	9344.8	6382.0	3521.0	1421.7	765.3	544.1	452.8	393.2	333.5	326.5
72.5°	9134.2	8344.3	5507.9	2727.6	1070.7	617.8	452.8	386.1	323.0	291.4	284.3
75°	7473.7	6940.2	4353.0	1878.1	747.7	484.4	379.1	326.5	273.8	259.8	256.3
77.5°	5672.9	5160.4	3180.5	1176.0	512.5	379.1	323.0	277.3	238.7	249.2	242.2
80°	3787.8	3552.6	2113.3	667.0	344.0	277.3	245.7	203.6	182.5	210.6	203.6
82.5°	1720.1	1628.8	993.5	291.4	154.5	119.4	84.3	63.2	49.1	45.6	52.7
85°	287.9	252.8	70.2	31.6	17.6	10.5	7.0	7.0	3.5	3.5	3.5
87.5°	14.0	10.5	10.5	7.0	3.5	3.5	3.5	3.5	3.5	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: SP1-2407-157-3

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

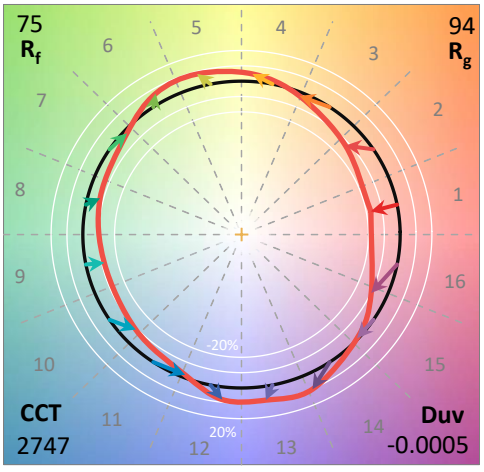
Test Information

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

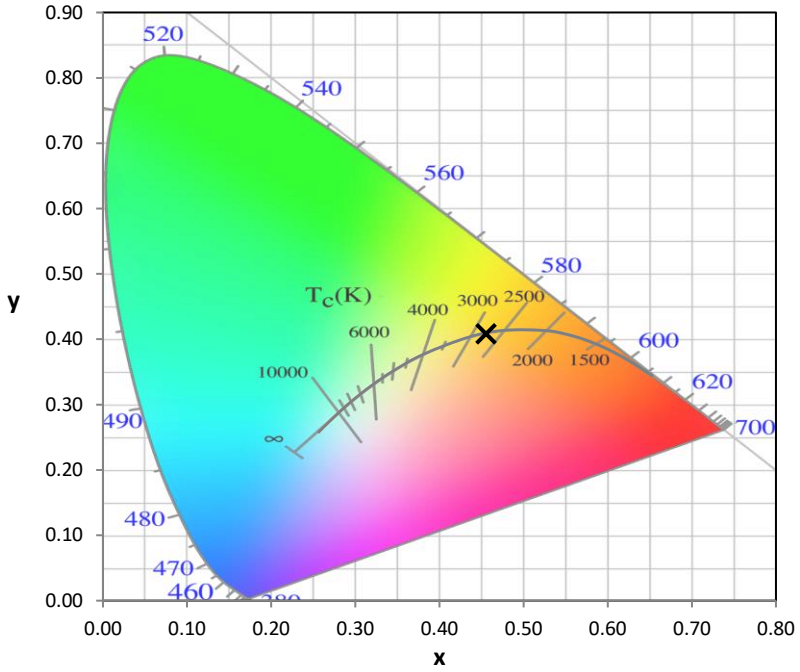
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-3

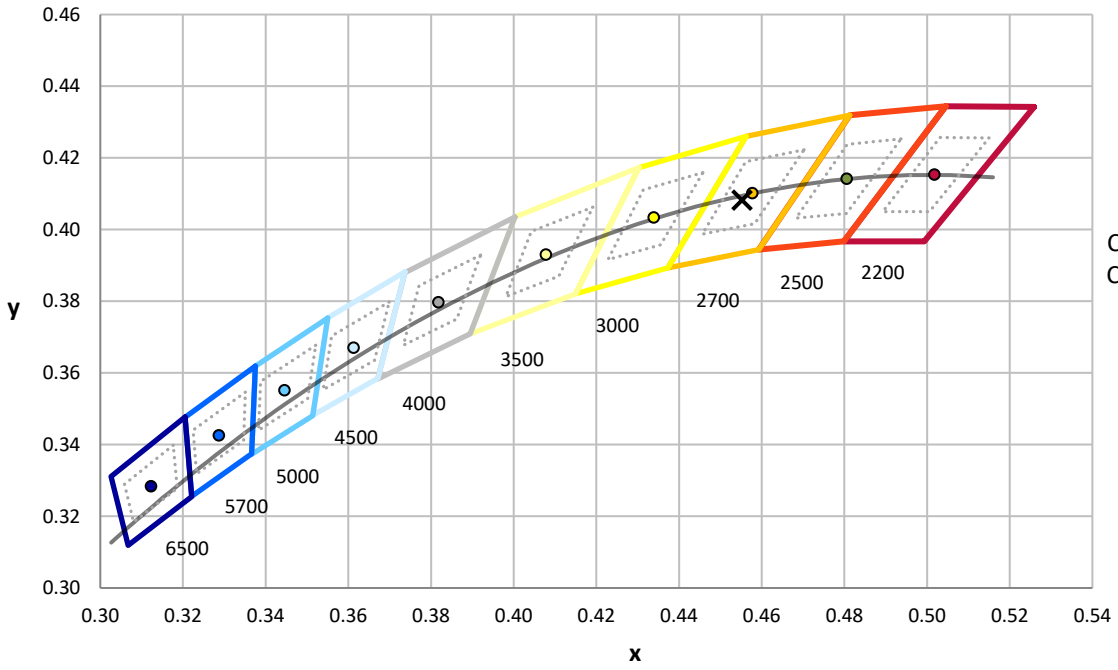
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

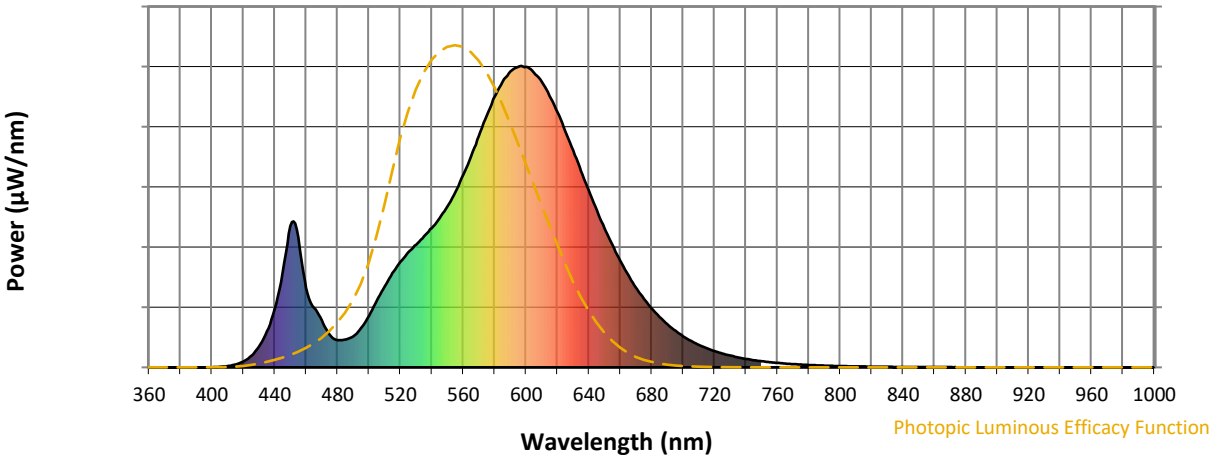


CCT = 2747K
CIE x = 0.4552
CIE y = 0.4082
Duv = -0.0005

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			

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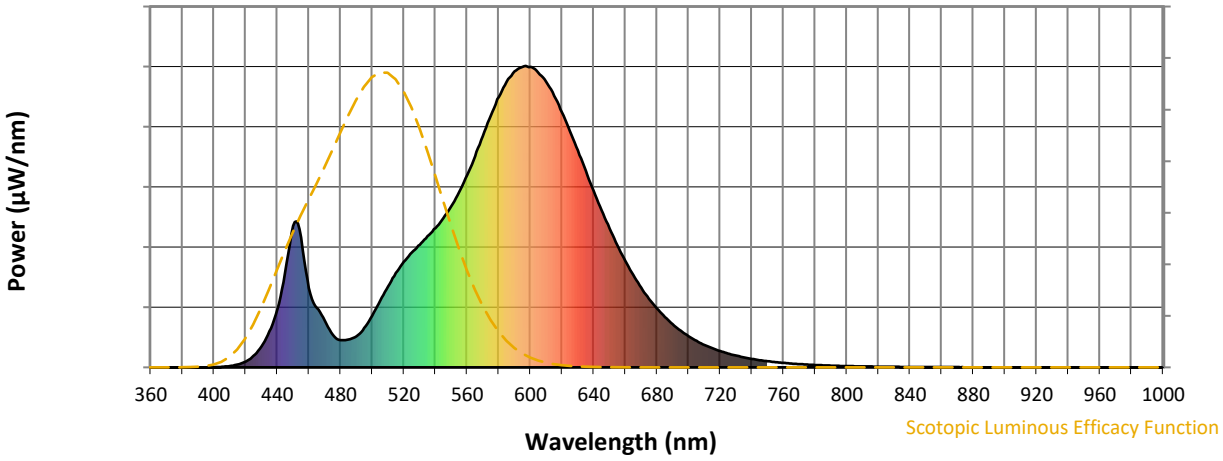
Scotopic Flux vs. Wavelength



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			

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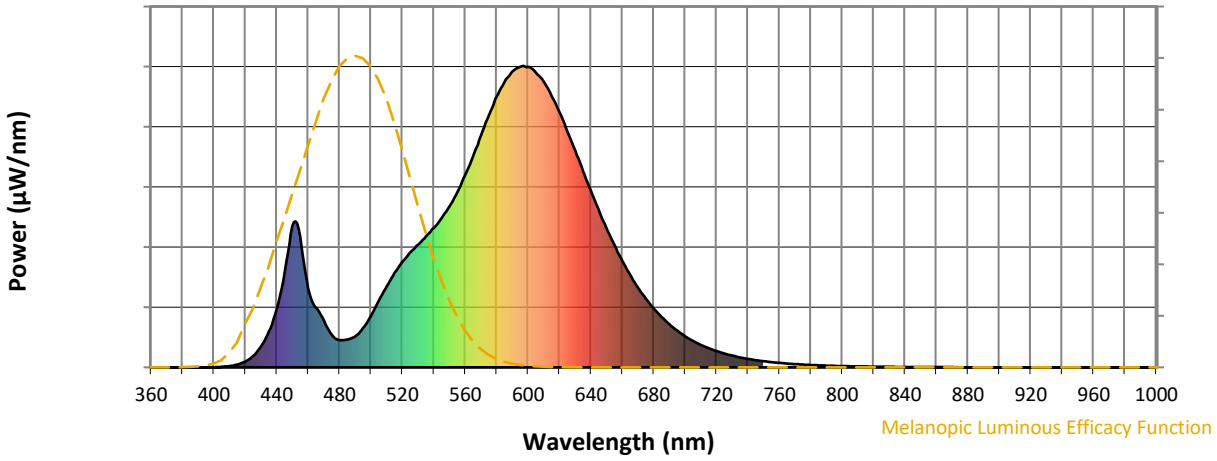
Melanopic Flux vs. Wavelength



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			

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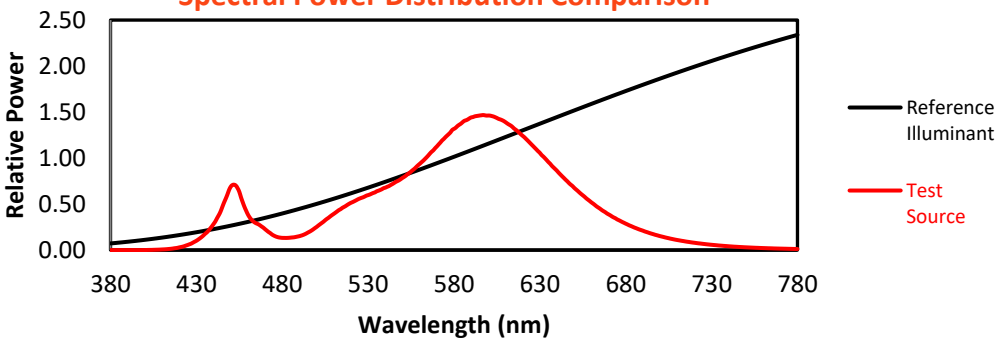
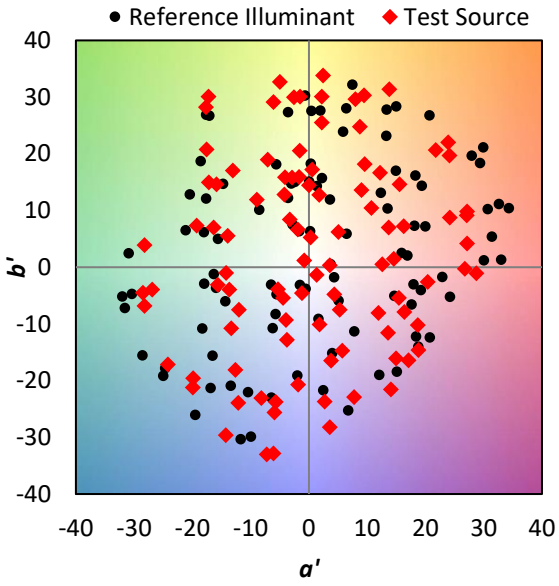
Summary

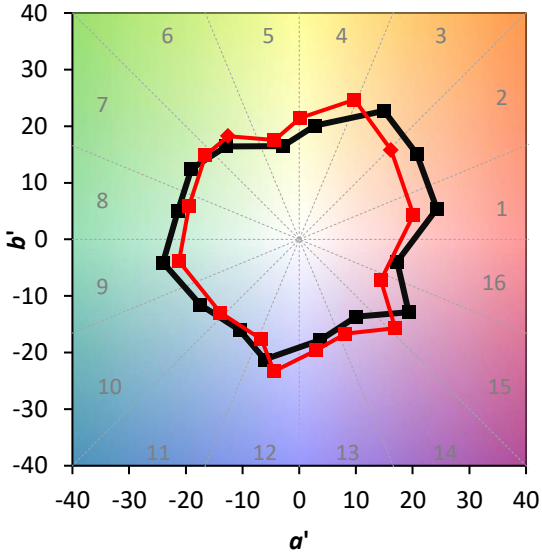
R_f = 75.5
R_g = 93.6
CIE R_a = 71.7
R_9 = -35.3

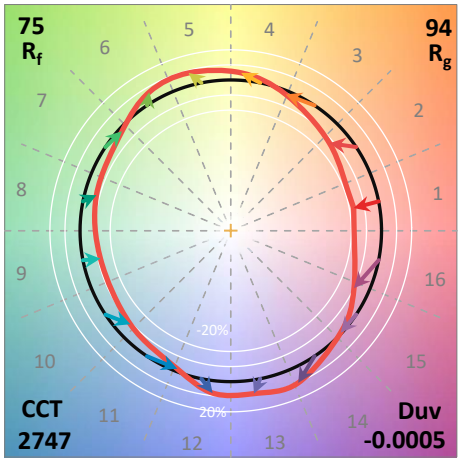
Spectral Power Distribution Comparison

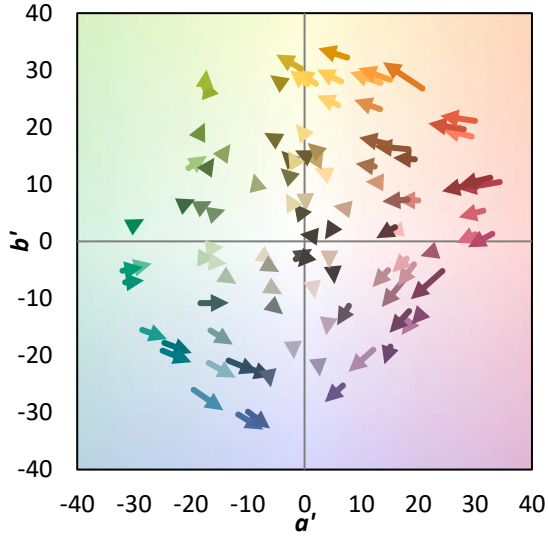


Color Vector Graphics









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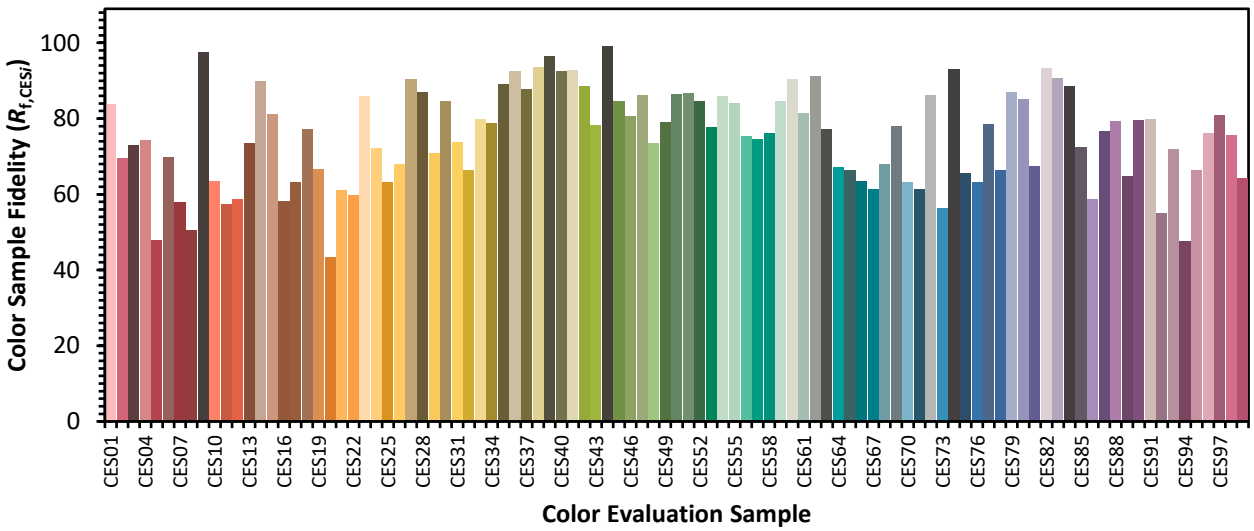
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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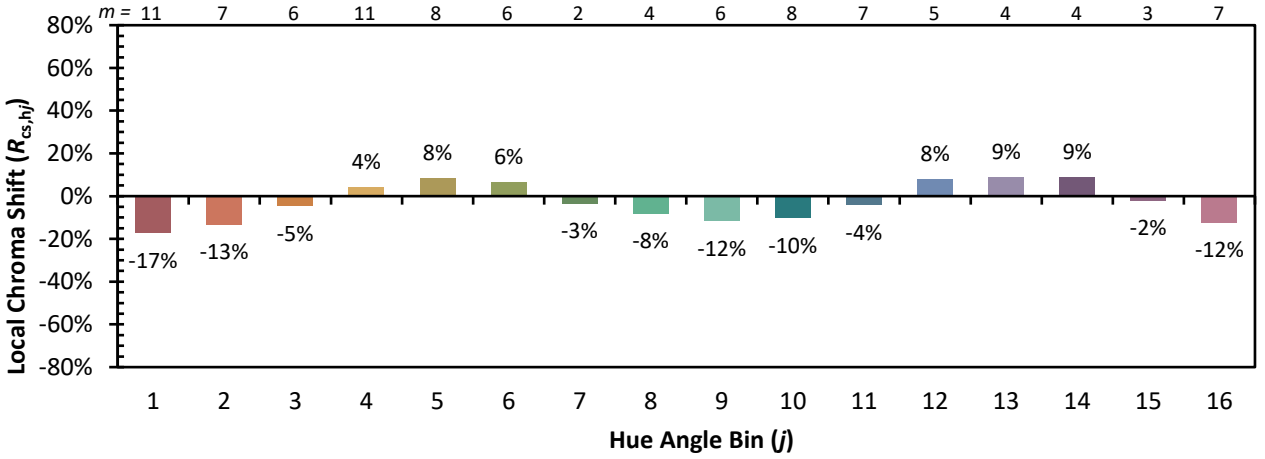
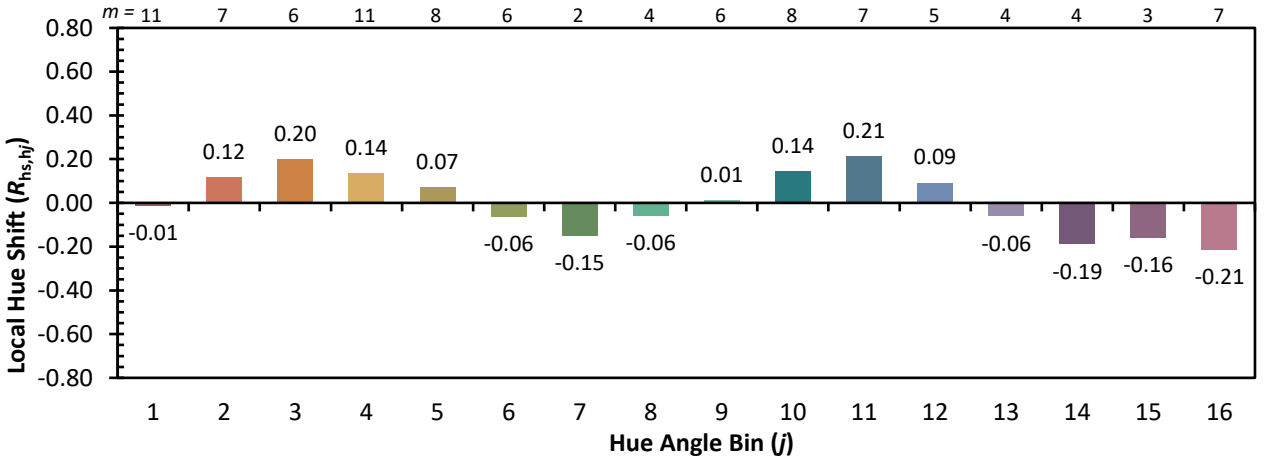
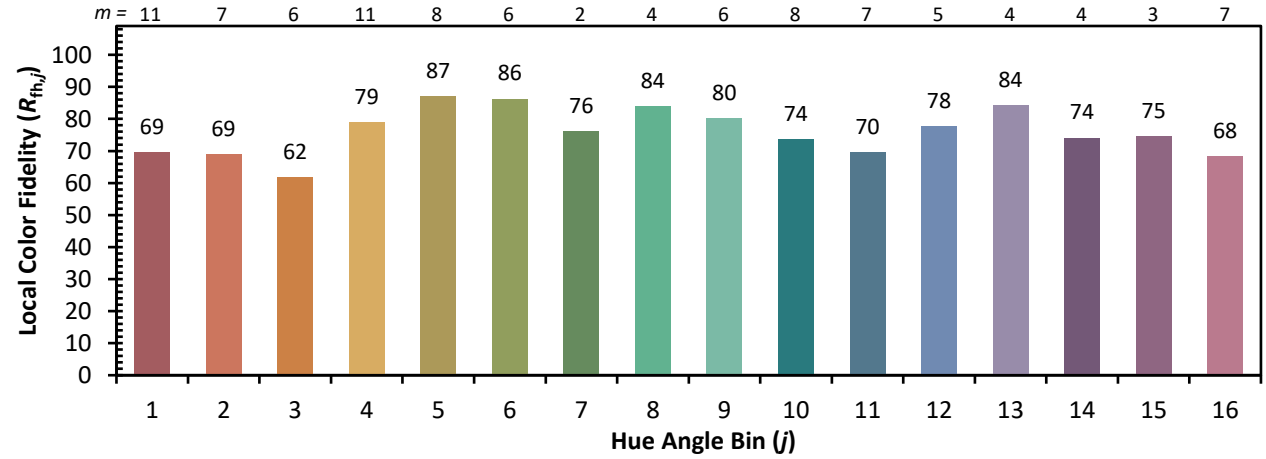
Color Rendition by Hue-Angle Bin







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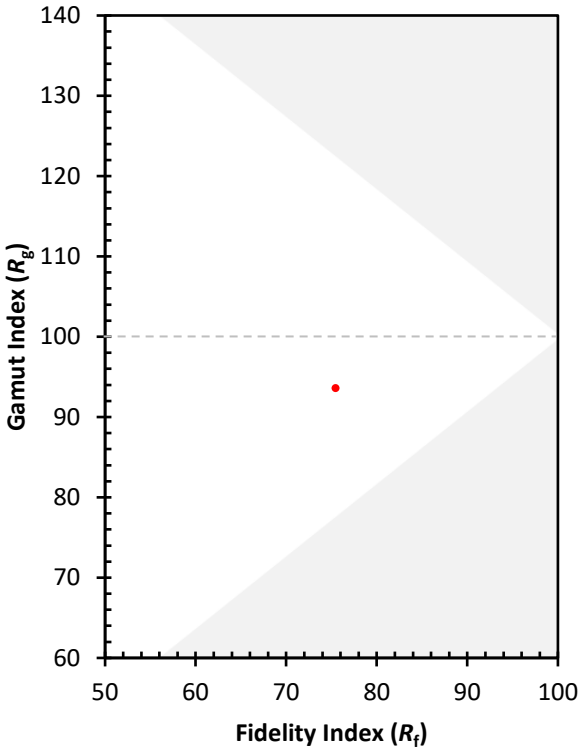
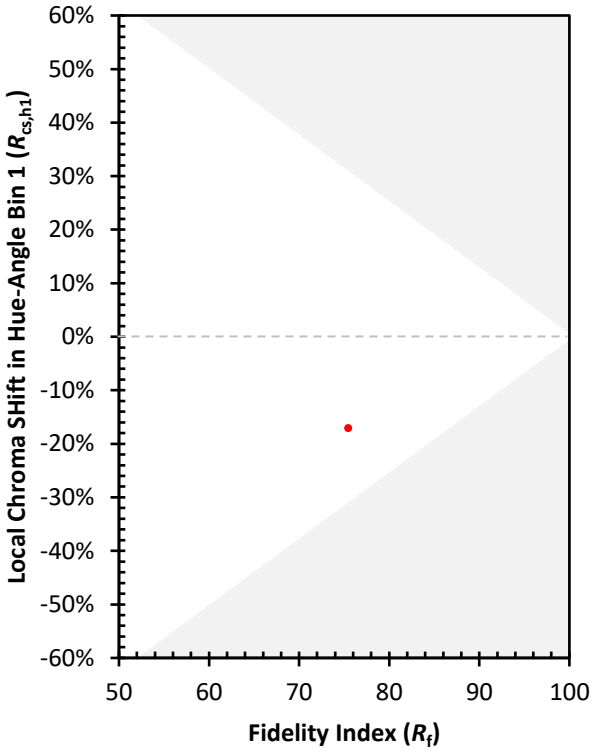
Measure Comparisons





(END OF REPORT)