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: P868360

Luminaire Tested: **MEM2-HTN-SA-46-AMB-U-T3-HSS**

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:	P868360
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-SA-46-AMB-U-T3-HSS
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 46W 0CRI 1540K FIXTURE w/ TYPE III DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source:	(30) 1540K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	990.5 lumens
Efficiency:	N/A
Efficacy:	21.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G1

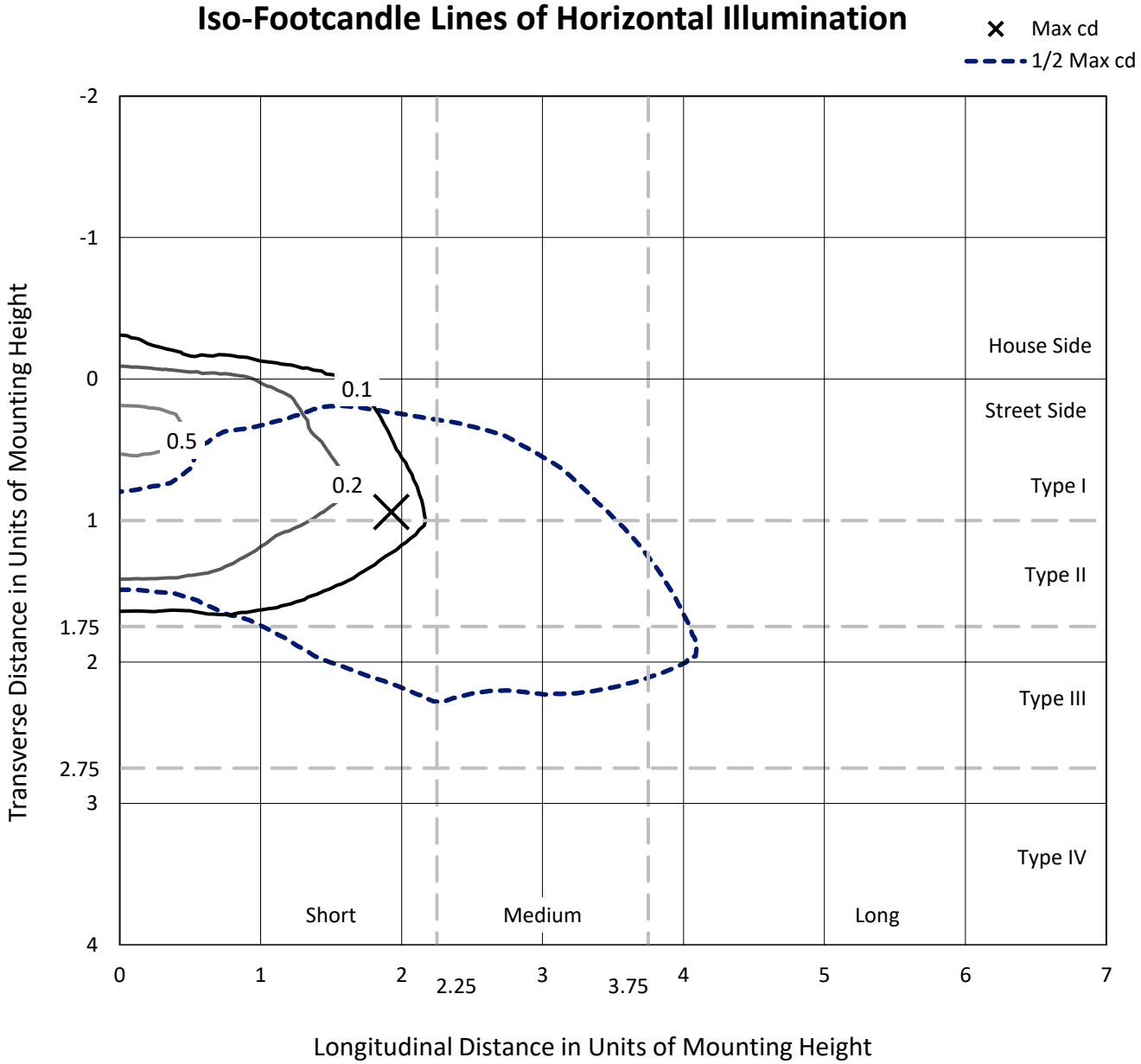
Input Watts (W):	46
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.75%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P868360
CATALOG NUMBER: MEM2-HTN-SA-46-AMB-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



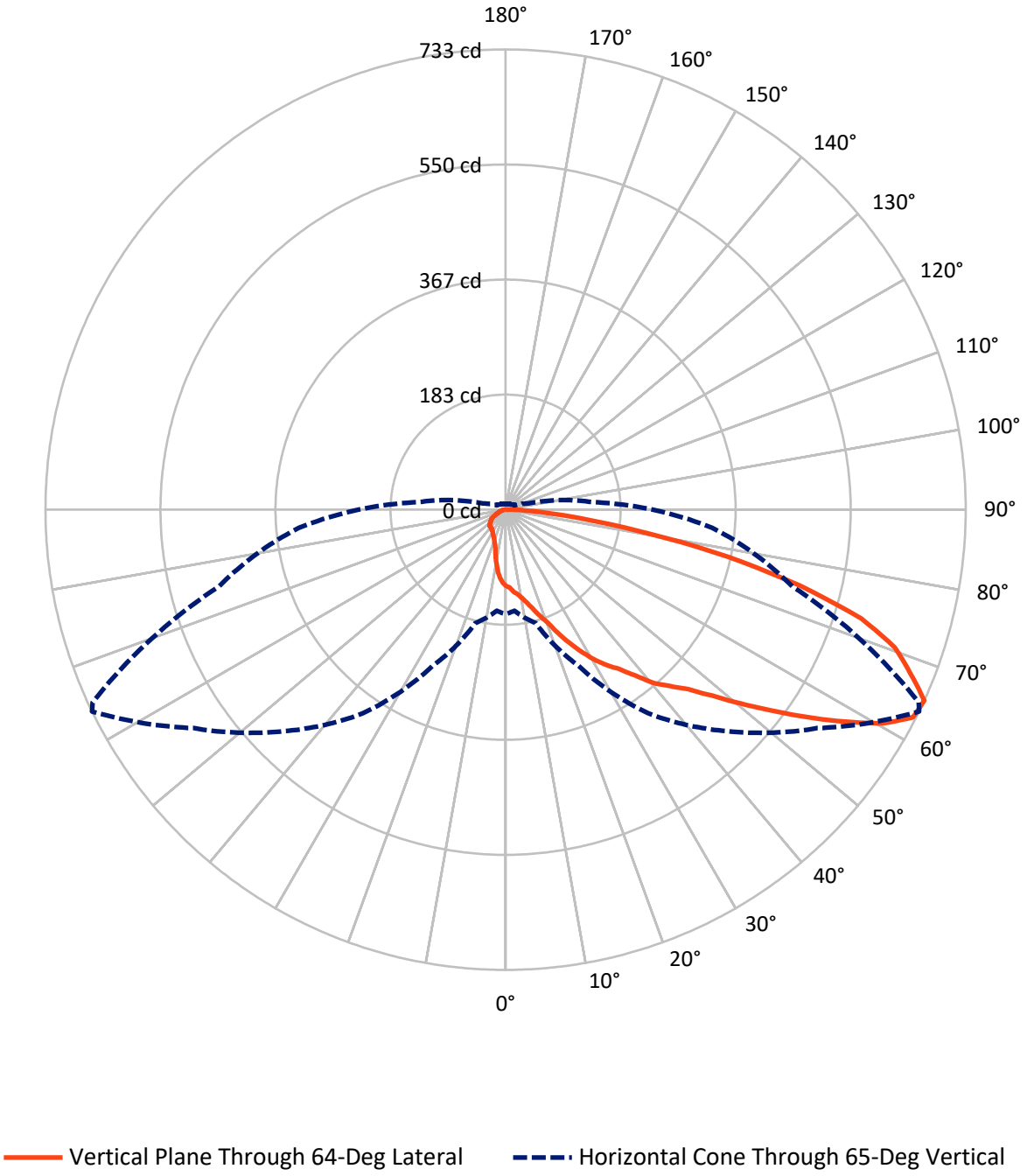
Based on 20 foot mounting height. Maximum calculated value = 0.6 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P868360
CATALOG NUMBER: MEM2-HTN-SA-46-AMB-U-T3-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

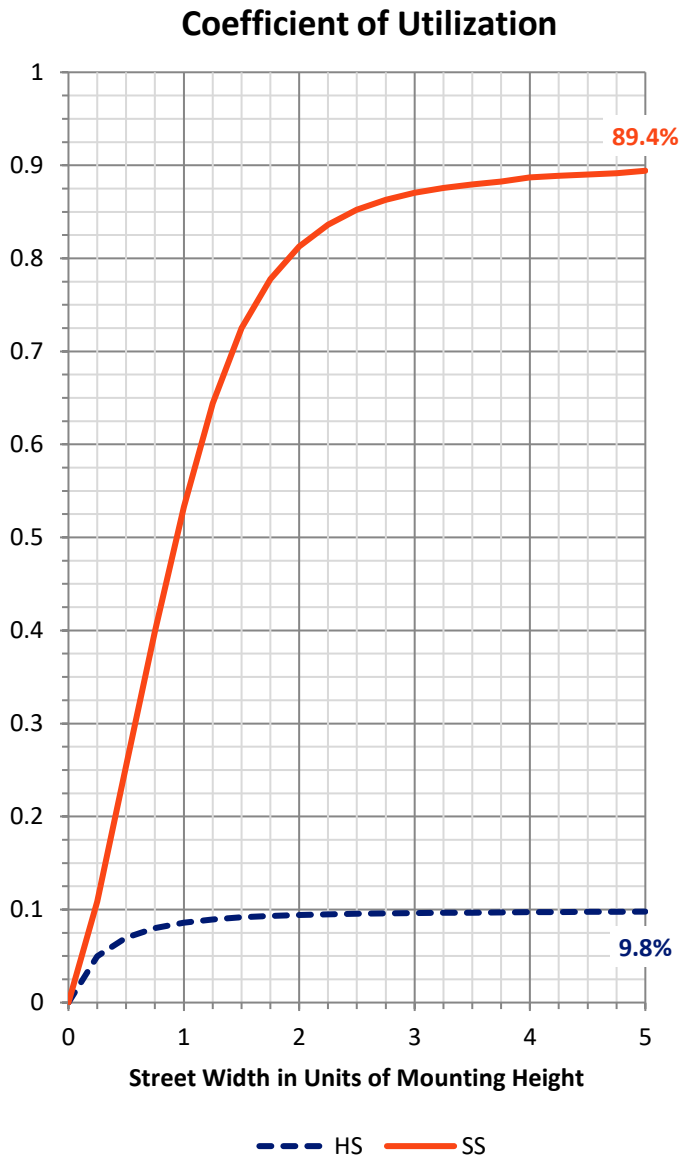
REPORT NUMBER: P868360
CATALOG NUMBER: MEM2-HTN-SA-46-AMB-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	98.2	0.0	98.2
	% Fixture	9.9	0.0	9.9
Street Side	Lumens	892.3	0.0	892.3
	% Fixture	90.1	0.0	90.1
Total	Lumens	990.5	0.0	990.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	1.1
10°-20°	39.0	3.9
20°-30°	71.7	7.2
30°-40°	111.5	11.3
40°-50°	171.9	17.4
50°-60°	224.3	22.6
60°-70°	213.0	21.5
70°-80°	123.7	12.5
80°-90°	24.3	2.5
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°	990.5	100.0
0°-180°	990.5	100.0



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

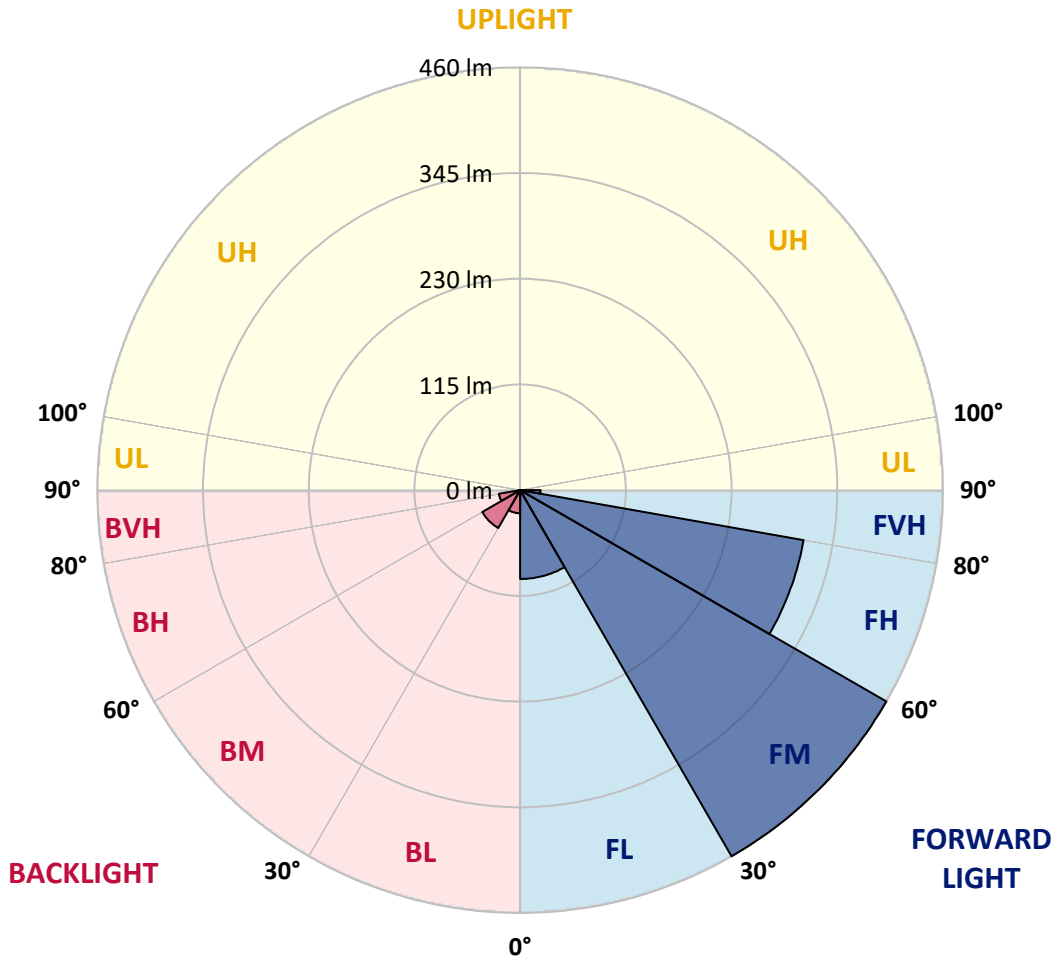
Scaled Data Report

REPORT NUMBER: P868360
CATALOG NUMBER: MEM2-HTN-SA-46-AMB-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	96.7	9.8			
FM	(30°-60°)	460.1	46.5			
FH	(60°-80°)	313.2	31.6			G0/660
FVH	(80°-90°)	22.3	2.2			G1/100
BL	(0°-30°)	25.2	2.5	B0/110		
BM	(30°-60°)	47.6	4.8	B0/220		
BH	(60°-80°)	23.5	2.4	B0/110		G0/110
BVH	(80°-90°)	2.0	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type III Short



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

Scaled Data Report

REPORT NUMBER: P868360
CATALOG NUMBER: MEM2-HTN-SA-46-AMB-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	*121.8*	121.8	121.8	121.8
2.5°	128.9	131.2	128.9	128.9	128.9	128.9	126.5	*124.2*	126.5	124.2	121.8
5°	142.9	142.9	140.6	140.6	138.3	135.9	133.6	*131.2*	128.9	126.5	124.2
7.5°	168.7	166.4	164.0	161.7	154.7	147.6	140.6	*135.9*	135.9	131.2	126.5
10°	208.5	206.2	201.5	192.1	180.4	166.4	152.3	*142.9*	140.6	133.6	128.9
12.5°	243.7	246.0	241.4	232.0	213.2	189.8	166.4	*152.3*	150.0	138.3	131.2
15°	274.2	274.2	269.5	262.4	246.0	217.9	187.5	*164.0*	161.7	142.9	133.6
17.5°	283.5	283.5	285.9	283.5	271.8	248.4	210.9	*178.1*	173.4	150.0	135.9
20°	283.5	283.5	285.9	292.9	292.9	274.2	234.3	*192.1*	189.8	157.0	140.6
22.5°	281.2	281.2	285.9	292.9	302.3	295.2	260.1	*213.2*	206.2	166.4	147.6
25°	281.2	281.2	288.2	295.2	307.0	307.0	283.5	*234.3*	227.3	175.7	154.7
27.5°	285.9	288.2	292.9	297.6	311.6	316.3	299.9	*255.4*	248.4	187.5	159.3
30°	297.6	299.9	302.3	304.6	321.0	325.7	314.0	*276.5*	269.5	199.2	168.7
32.5°	314.0	316.3	318.7	316.3	330.4	335.1	328.1	*295.2*	290.6	215.6	182.8
35°	325.7	330.4	335.1	332.7	342.1	349.1	346.8	*311.6*	309.3	236.7	196.8
37.5°	342.1	344.5	349.1	344.5	349.1	363.2	370.2	*335.1*	330.4	260.1	213.2
40°	381.9	386.6	389.0	367.9	360.9	377.3	393.7	*363.2*	358.5	283.5	234.3
42.5°	424.1	424.1	433.5	407.7	384.3	396.0	419.4	*384.3*	377.3	299.9	243.7
45°	454.6	454.6	464.0	433.5	426.5	417.1	445.2	*407.7*	403.0	318.7	260.1
47.5°	482.7	473.3	468.6	456.9	471.0	440.5	475.7	*442.9*	435.8	339.8	281.2
50°	494.4	487.4	489.7	478.0	489.7	471.0	506.1	*485.0*	478.0	363.2	302.3
52.5°	480.4	475.7	492.1	496.8	496.8	489.7	536.6	*531.9*	522.5	386.6	325.7
55°	407.7	414.8	454.6	492.1	496.8	501.5	564.7	*583.5*	571.7	410.1	339.8
57.5°	307.0	309.3	358.5	466.3	492.1	513.2	595.2	*637.4*	625.6	435.8	346.8
60°	255.4	255.4	274.2	405.4	475.7	520.2	618.6	*691.3*	679.5	454.6	344.5
62.5°	222.6	222.6	241.4	328.1	440.5	515.5	630.3	*728.7*	717.0	466.3	337.4
65°	*166.4*	*161.7*	*187.5*	*274.2*	*396.0*	*499.1*	*606.9*	*733.4*	*726.4*	*473.3*	*330.4*
67.5°	121.8	119.5	128.9	224.9	358.5	468.6	562.4	*695.9*	698.3	478.0	325.7
70°	93.7	93.7	98.4	145.3	299.9	421.8	480.4	*658.4*	672.5	468.6	311.6
72.5°	70.3	70.3	77.3	98.4	217.9	374.9	424.1	*592.8*	616.3	421.8	264.8
75°	53.9	53.9	58.6	70.3	135.9	267.1	381.9	*485.0*	508.5	337.4	208.5
77.5°	42.2	44.5	46.9	53.9	75.0	150.0	290.6	*363.2*	365.5	243.7	157.0
80°	35.1	37.5	37.5	42.2	51.6	79.7	175.7	*232.0*	243.7	154.7	98.4
82.5°	30.5	30.5	32.8	35.1	37.5	49.2	89.0	*131.2*	131.2	84.4	53.9
85°	21.1	23.4	23.4	28.1	28.1	32.8	49.2	*65.6*	68.0	46.9	23.4
87.5°	11.7	11.7	16.4	16.4	16.4	21.1	25.8	*25.8*	28.1	21.1	7.0
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

Scaled Data Report

REPORT NUMBER: P868360
CATALOG NUMBER: MEM2-HTN-SA-46-AMB-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8
2.5°	121.8	121.8	119.5	117.2	114.8	112.5	110.1	110.1	107.8	110.1	107.8
5°	124.2	119.5	114.8	110.1	103.1	96.1	91.4	86.7	84.4	82.0	82.0
7.5°	124.2	119.5	112.5	100.8	89.0	77.3	70.3	65.6	63.3	63.3	63.3
10°	124.2	119.5	105.4	89.0	72.6	63.3	58.6	56.2	56.2	53.9	53.9
12.5°	126.5	119.5	98.4	77.3	60.9	53.9	51.6	51.6	51.6	51.6	51.6
15°	126.5	117.2	91.4	65.6	53.9	51.6	49.2	49.2	46.9	49.2	49.2
17.5°	128.9	117.2	84.4	58.6	49.2	46.9	46.9	44.5	44.5	44.5	44.5
20°	131.2	117.2	75.0	53.9	46.9	44.5	44.5	42.2	42.2	42.2	42.2
22.5°	135.9	117.2	70.3	49.2	44.5	42.2	39.8	39.8	39.8	39.8	39.8
25°	140.6	117.2	63.3	46.9	42.2	39.8	37.5	35.1	35.1	35.1	35.1
27.5°	145.3	117.2	58.6	44.5	39.8	35.1	35.1	32.8	32.8	32.8	32.8
30°	152.3	117.2	56.2	42.2	35.1	32.8	30.5	30.5	30.5	30.5	30.5
32.5°	159.3	119.5	53.9	39.8	35.1	30.5	28.1	28.1	28.1	28.1	28.1
35°	173.4	124.2	53.9	39.8	32.8	28.1	25.8	25.8	25.8	25.8	25.8
37.5°	185.1	131.2	56.2	37.5	30.5	28.1	25.8	23.4	23.4	23.4	23.4
40°	201.5	135.9	58.6	37.5	30.5	25.8	23.4	23.4	23.4	21.1	21.1
42.5°	203.9	128.9	56.2	37.5	28.1	23.4	23.4	21.1	21.1	21.1	21.1
45°	213.2	131.2	56.2	37.5	28.1	23.4	21.1	21.1	18.7	18.7	18.7
47.5°	227.3	135.9	53.9	35.1	28.1	21.1	21.1	18.7	18.7	18.7	18.7
50°	241.4	138.3	53.9	32.8	25.8	21.1	18.7	16.4	16.4	16.4	16.4
52.5°	253.1	140.6	51.6	30.5	25.8	18.7	18.7	16.4	16.4	16.4	16.4
55°	262.4	140.6	51.6	28.1	23.4	18.7	16.4	14.1	14.1	14.1	14.1
57.5°	264.8	142.9	49.2	28.1	21.1	16.4	14.1	14.1	11.7	11.7	11.7
60°	260.1	145.3	46.9	23.4	18.7	14.1	14.1	11.7	11.7	11.7	11.7
62.5°	248.4	142.9	42.2	18.7	16.4	14.1	11.7	11.7	9.4	9.4	9.4
65°	*234.3*	*138.3*	*37.5*	*16.4*	*14.1*	*11.7*	*11.7*	*9.4*	*9.4*	*9.4*	*9.4*
67.5°	217.9	128.9	30.5	14.1	14.1	11.7	9.4	9.4	7.0	7.0	7.0
70°	203.9	112.5	21.1	11.7	11.7	9.4	9.4	7.0	7.0	7.0	7.0
72.5°	173.4	89.0	14.1	9.4	9.4	9.4	7.0	7.0	7.0	7.0	7.0
75°	140.6	58.6	11.7	7.0	7.0	7.0	7.0	7.0	4.7	4.7	4.7
77.5°	98.4	35.1	9.4	7.0	7.0	7.0	4.7	4.7	4.7	4.7	4.7
80°	49.2	18.7	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	23.4	9.4	4.7	4.7	4.7	4.7	4.7	4.7	7.0	4.7	4.7
85°	11.7	4.7	2.3	2.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	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: SP1-2407-157-1

Test Date: 08/06/2024

Luminaire Tested: MEM2-HTN-SA-45-AMB-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-45-AMB-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

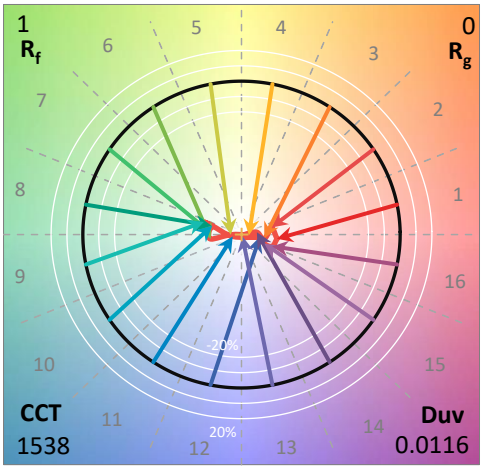
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-1
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-45-AMB-U-5WQ-2**
Description:	Epic Modern Light Square 45W 5WQ Optic and Flare Trim AMBER LED

Spectral Parameters

CCT (K):	1538
CIE u':	0.3530
CIE v':	0.5469
Duv:	0.0116
CIE x:	0.5918
CIE y:	0.4076
CIE z:	0.0006
Peak Wavelength (nm):	597
Dominant Wavelength (nm):	592
Purity:	99.98881
Rf:	1.1
Rg:	0

CRI (Ra):	-21.8				
R1:	-34.3	R9:	-386.6		
R2:	52.3	R10:	28.9		
R3:	17.0	R11:	-95.5		
R4:	-68.4	R12:	-10.5		
R5:	-40.8	R13:	-15.5		
R6:	41.5	R14:	45.9		
R7:	-7.2	R15:	-67.7		
R8:	-134.5				



Test Conditions

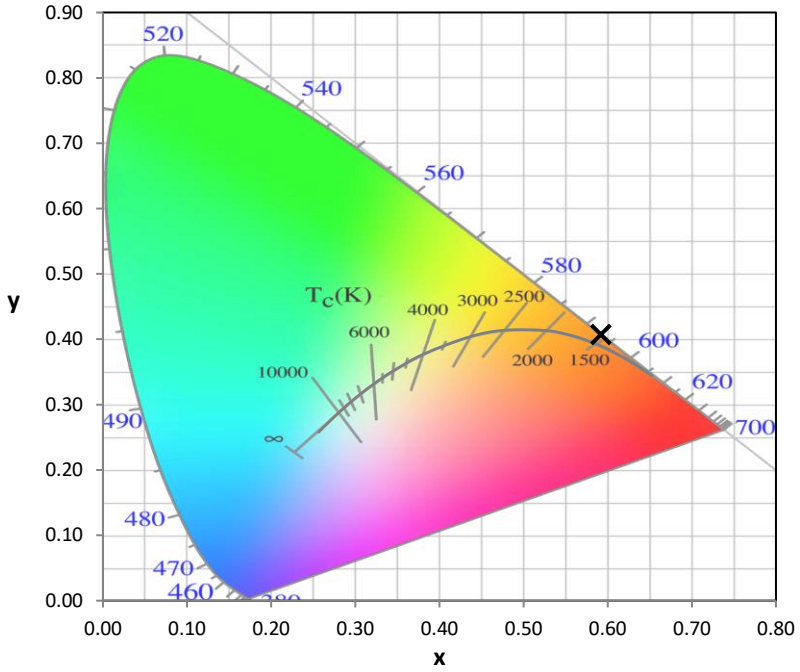
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-1

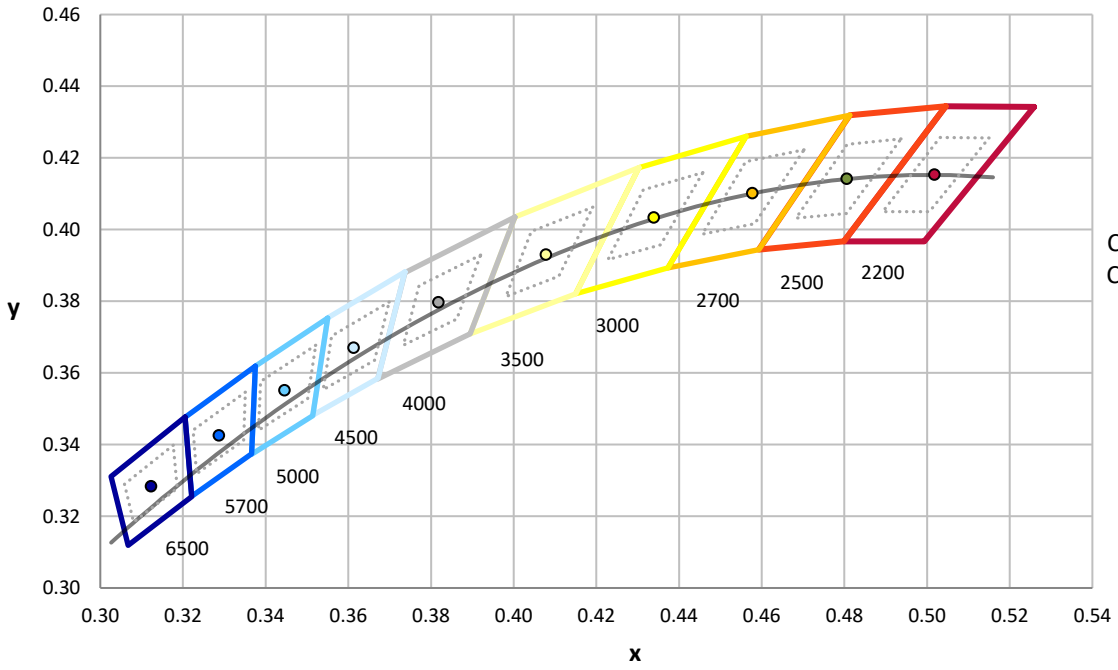
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-1

CIE 1931 Chromaticity Diagram



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

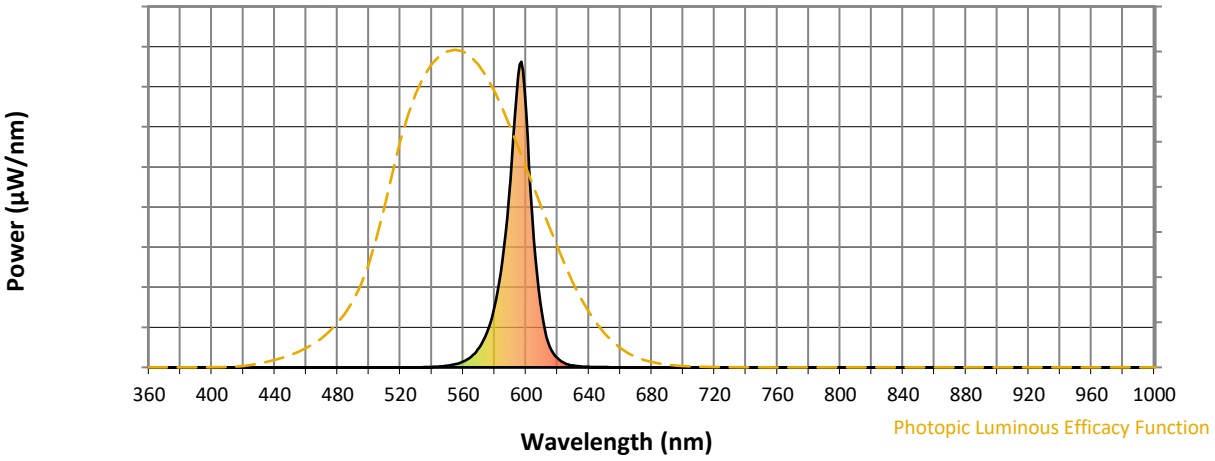


CCT = 1538K
CIE x = 0.5918
CIE y = 0.4076
Duv = 0.0116

Point lies outside the range

REPORT NUMBER: SP1-2407-157-1

Photopic Flux vs. Wavelength

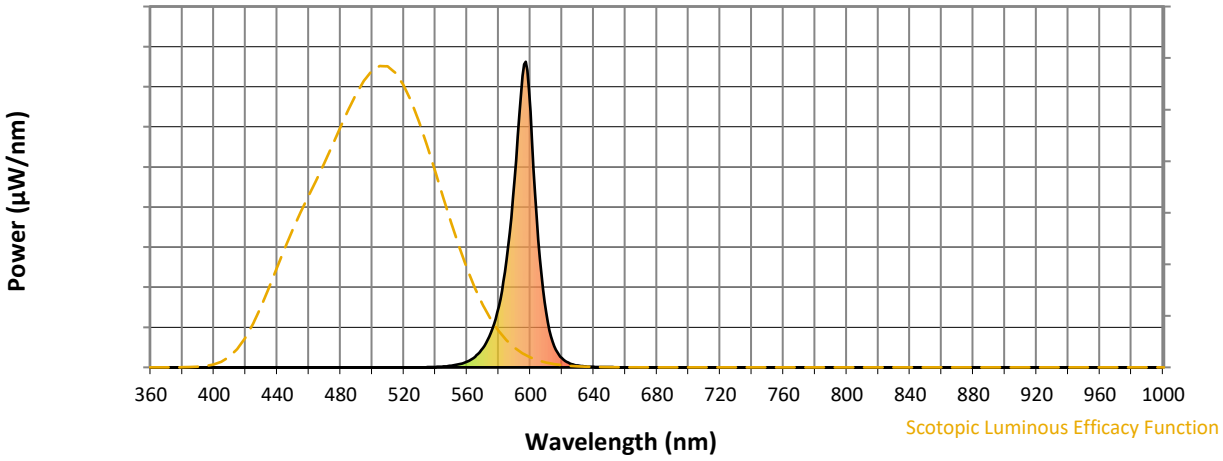


Photopic Lumens: NR

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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-1

Scotopic Flux vs. Wavelength

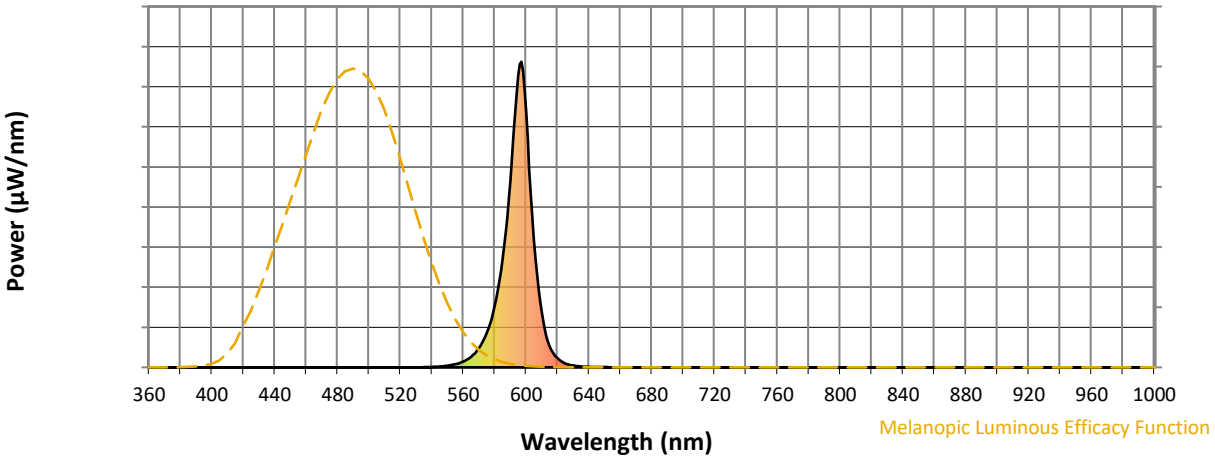


Scotopic Lumens: NR **S/P: 0.22**

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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 0.12**

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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

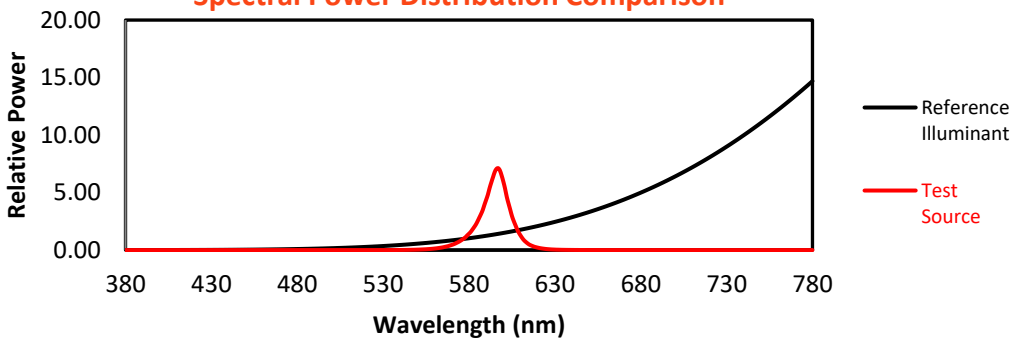
REPORT NUMBER: SP1-2407-157-1

TM-30-18

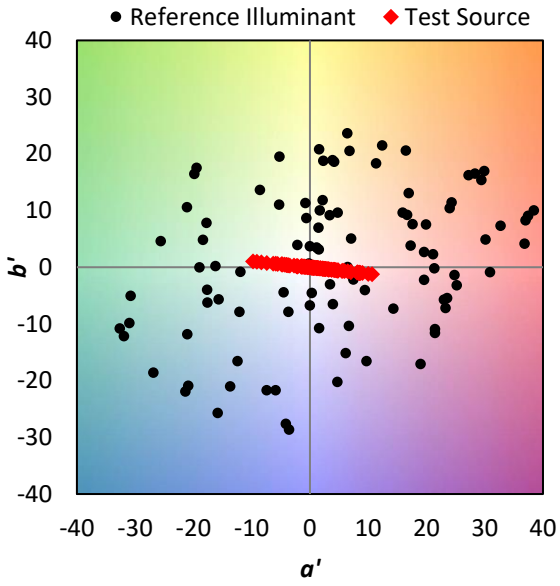
Summary

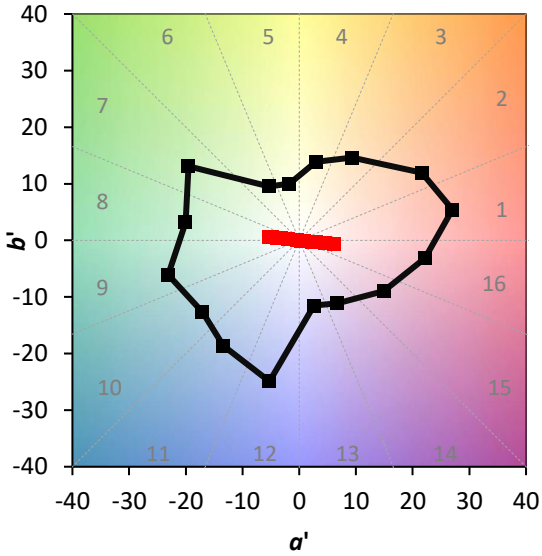
R_f = 1.1
R_g = 0
CIE R_a = -21.8
R_9 = -386.6

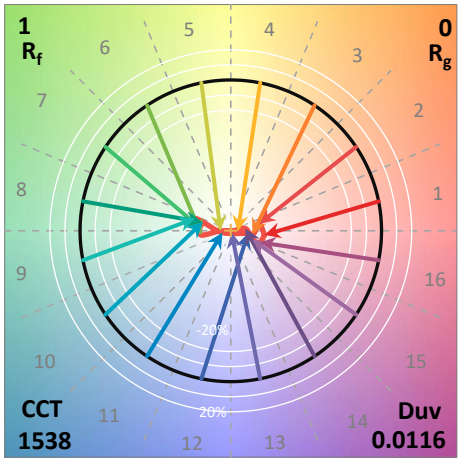
Spectral Power Distribution Comparison

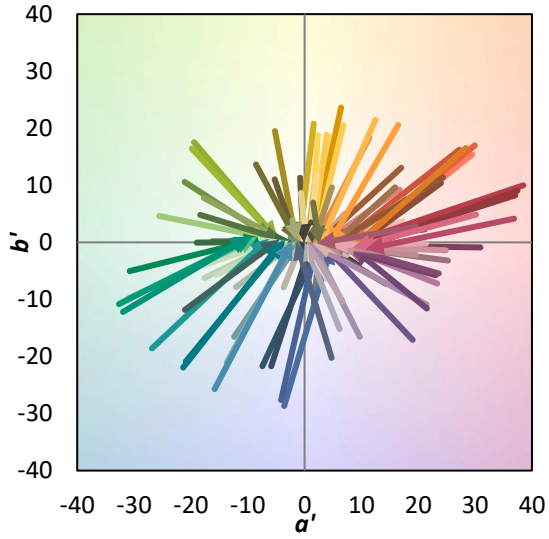


Color Vector Graphics







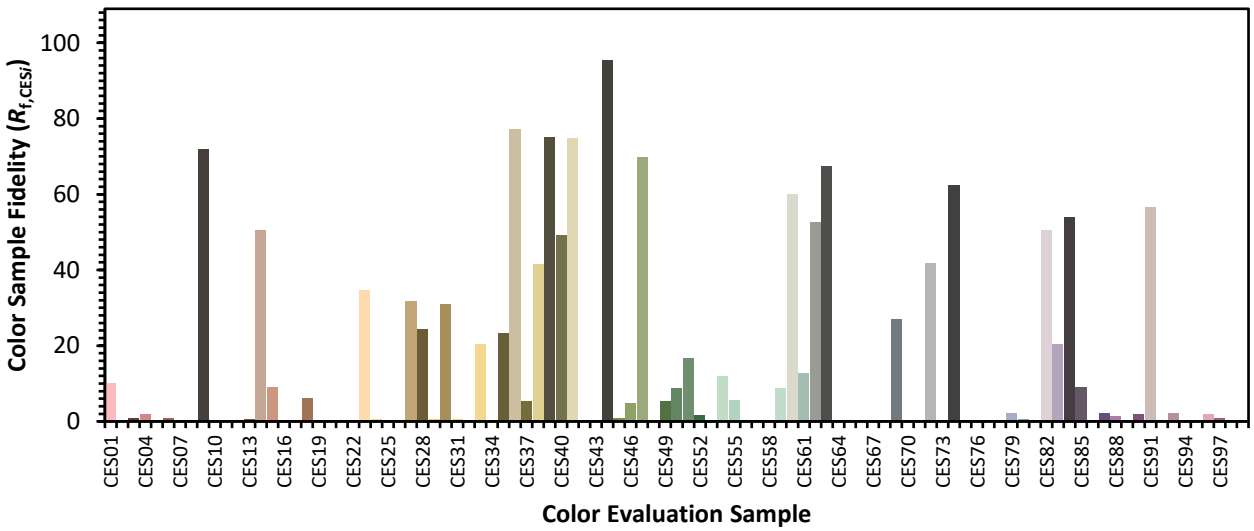


REPORT NUMBER: SP1-2407-157-1

TM-30-18

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

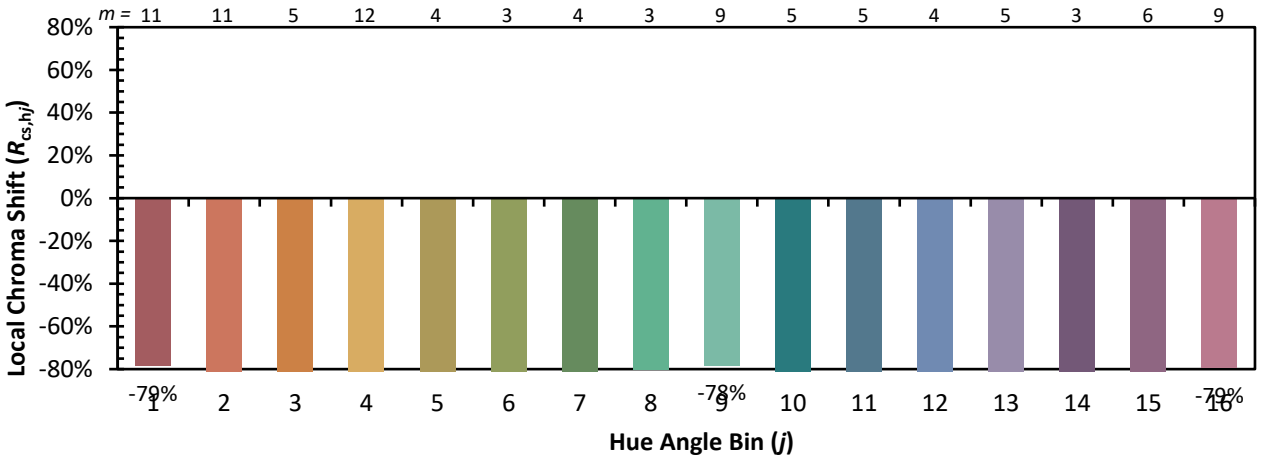
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 70	CES27 = 32	CES52 = 2	CES77 = 0
CES03 = 31	CES28 = 24	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 1	CES54 = 12	CES79 = 2
CES05 = 52	CES30 = 31	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 41	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 38	CES33 = 21	CES58 = 0	CES83 = 21
CES09 = 29	CES34 = 0	CES59 = 9	CES84 = 54
CES10 = 87	CES35 = 23	CES60 = 60	CES85 = 9
CES11 = 70	CES36 = 77	CES61 = 13	CES86 = 0
CES12 = 76	CES37 = 5	CES62 = 53	CES87 = 2
CES13 = 47	CES38 = 41	CES63 = 68	CES88 = 1
CES14 = 77	CES39 = 75	CES64 = 0	CES89 = 0
CES15 = 74	CES40 = 49	CES65 = 0	CES90 = 2
CES16 = 49	CES41 = 75	CES66 = 0	CES91 = 57
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 60	CES43 = 0	CES68 = 0	CES93 = 2
CES19 = 80	CES44 = 95	CES69 = 27	CES94 = 0
CES20 = 71	CES45 = 1	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 5	CES71 = 0	CES96 = 2
CES22 = 87	CES47 = 70	CES72 = 42	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 5	CES74 = 62	CES99 = 0
CES25 = 79	CES50 = 9	CES75 = 0	

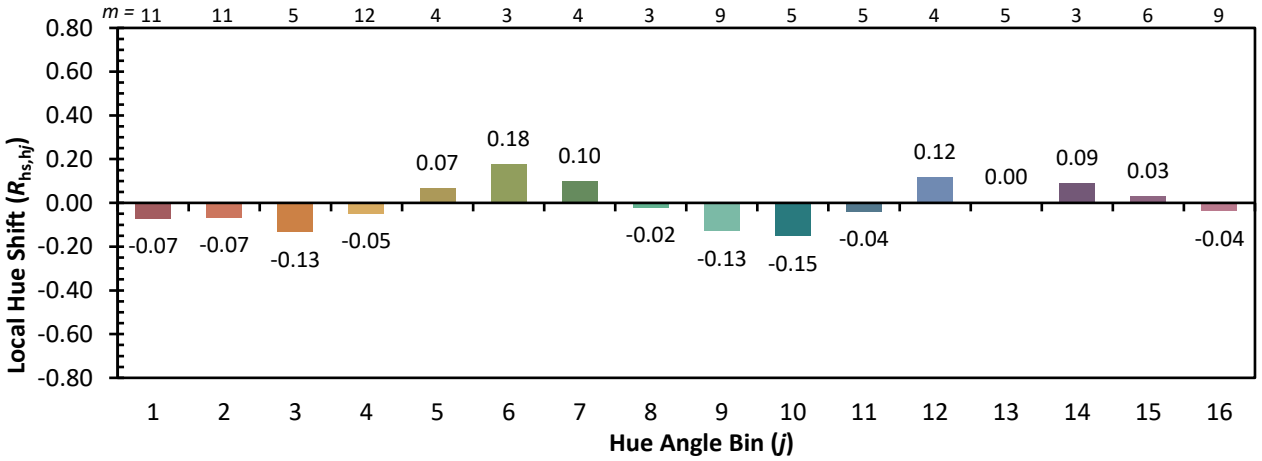


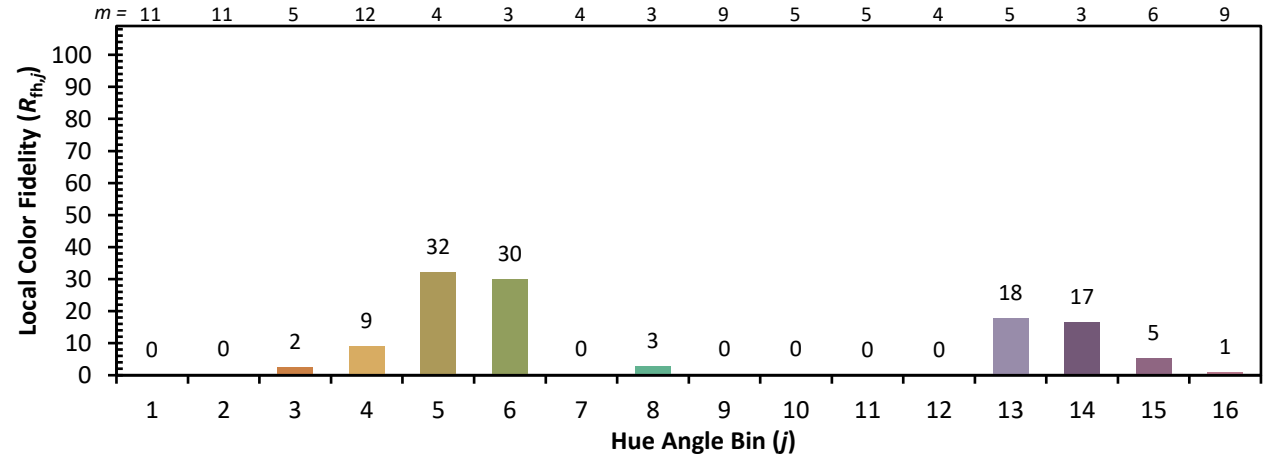
REPORT NUMBER: SP1-2407-157-1

TM-30-18

Color Rendition by Hue-Angle Bin



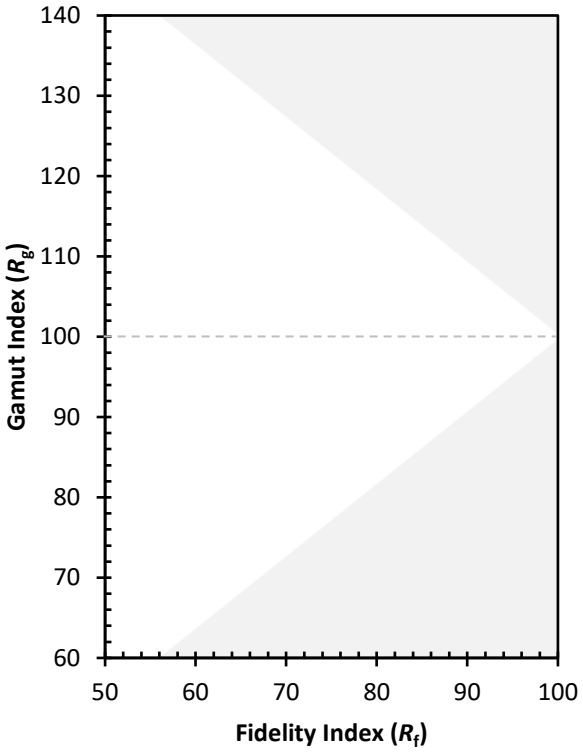


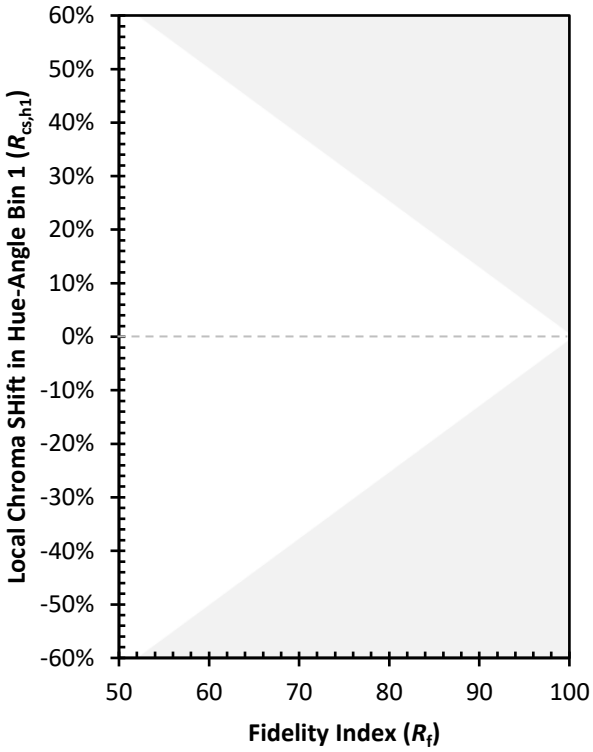


REPORT NUMBER: SP1-2407-157-1

TM-30-18

Measure Comparisons





(END OF REPORT)