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: McGRAW-EDISON

Report Number: P821471

Luminaire Tested: **TT-D1-735-12VDC-CQ-UPL**

Issue Date: 7/23/2020

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:	P821471
	REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (G2-2002-677-2) AND
Test Lab:	INNOVATION CENTER
Issue Date:	7/23/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D1-735-12VDC-CQ-UPL
Description:	TOPTIER LED PARKING GARAGE LUMINAIRE WITH UPLIGHT
	3500K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4454.7 lumens
Efficiency:	N/A
Efficacy:	159.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.12' x H: 0.1')
IES Classification:	Type V - Short
BUG Rating:	B1 - U4 - G1

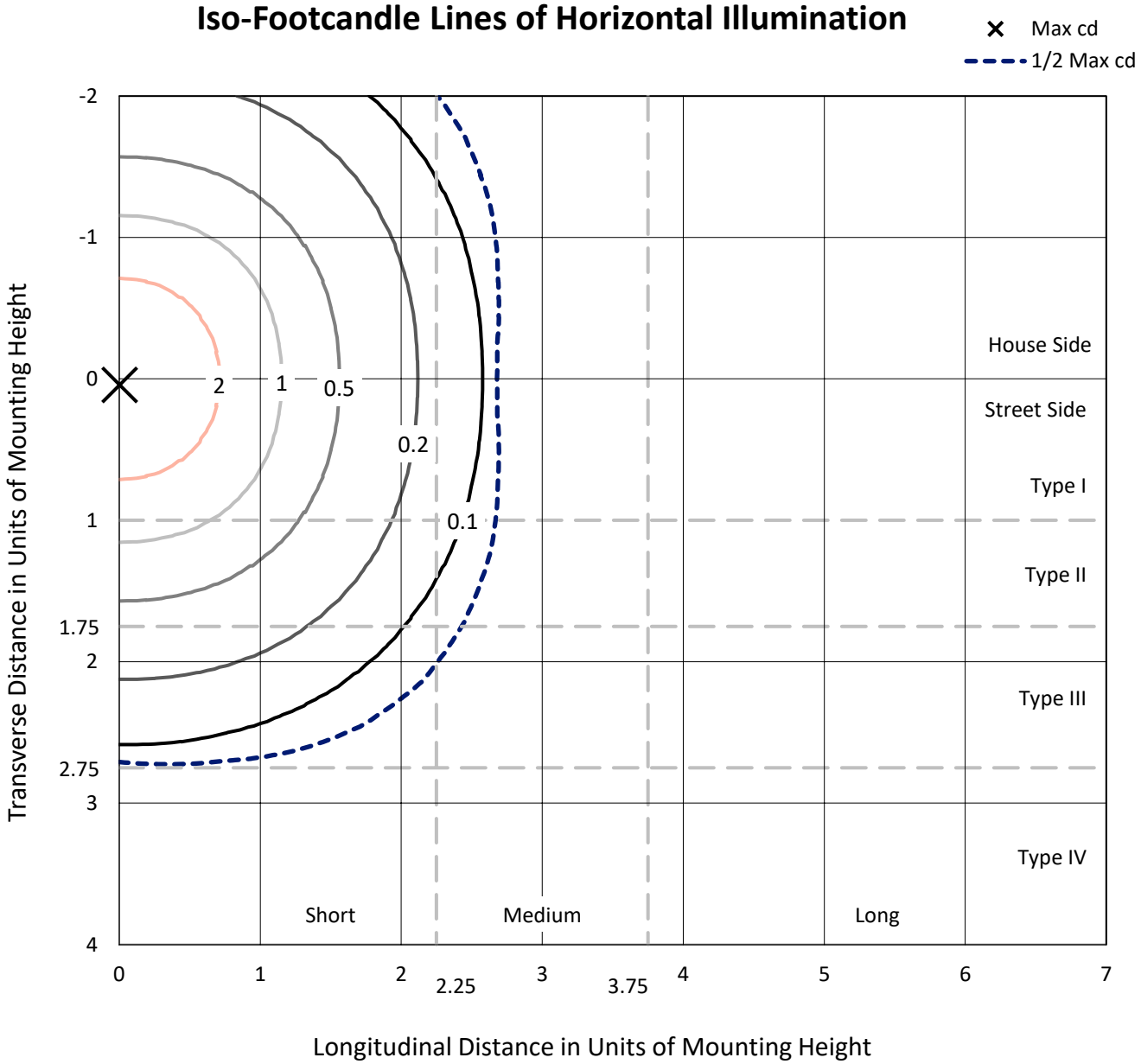
Input Watts (W):	28
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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REPORT NUMBER: P821471
CATALOG NUMBER: TT-D1-735-12VDC-CQ-UPL

Iso-Footcandle Lines of Horizontal Illumination



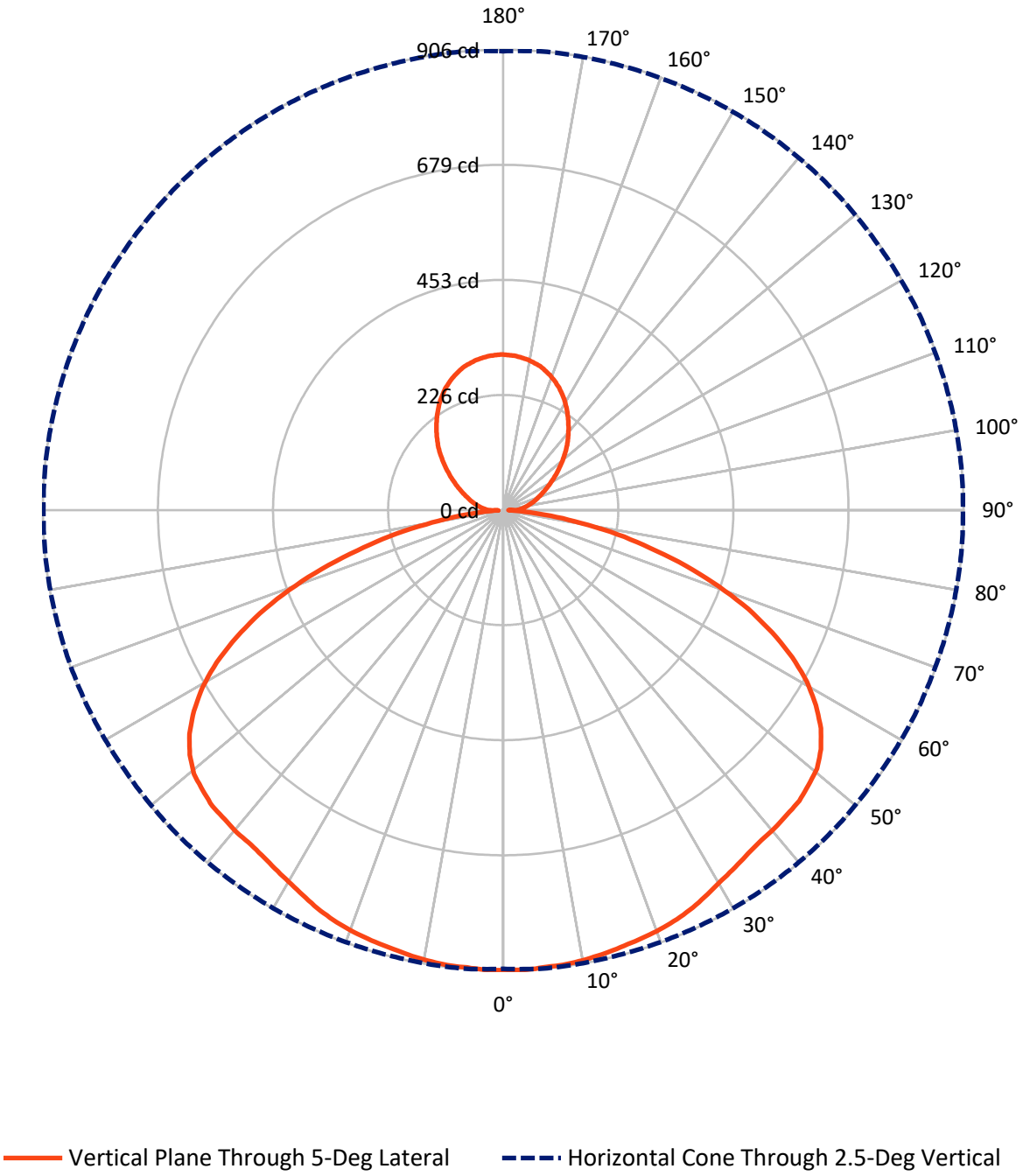
Based on 15 foot mounting height. Maximum calculated value = 4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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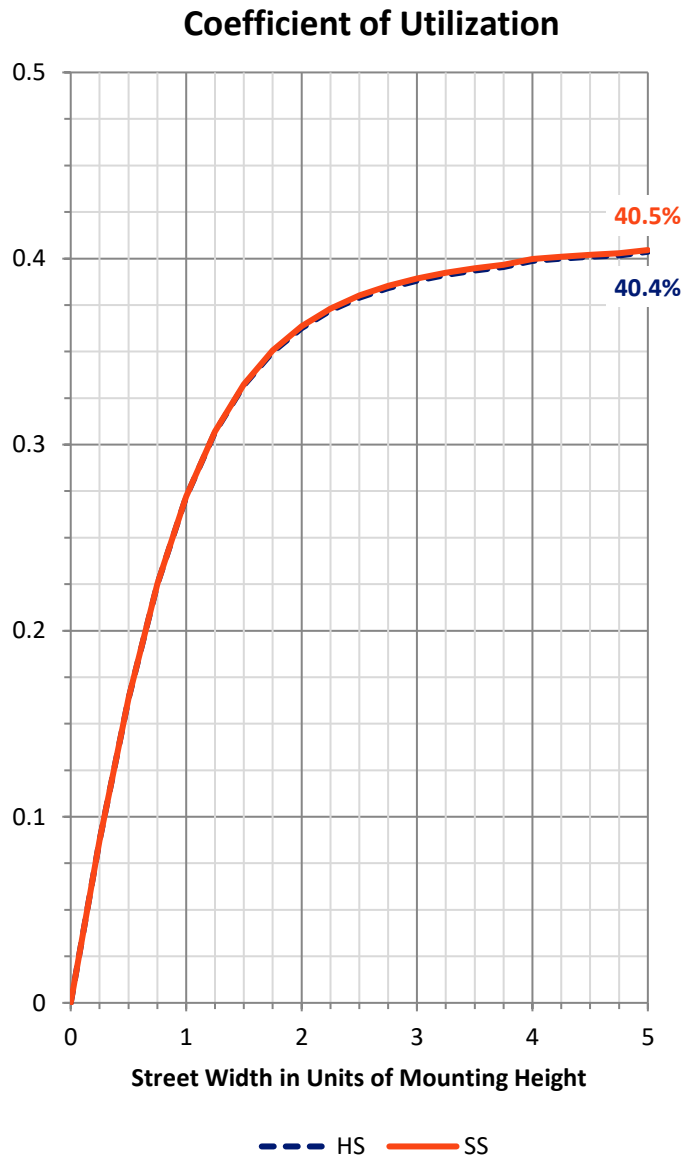
REPORT NUMBER: P821471
CATALOG NUMBER: TT-D1-735-12VDC-CQ-UPL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1811.5	415.9	2227.4
	% Fixture	40.7	9.3	50.0
Street Side	Lumens	1811.5	415.9	2227.4
	% Fixture	40.7	9.3	50.0
Total	Lumens	3623.0	831.7	4454.7
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	1.9
10°-20°	252.2	5.7
20°-30°	401.0	9.0
30°-40°	527.6	11.8
40°-50°	645.7	14.5
50°-60°	699.4	15.7
60°-70°	601.7	13.5
70°-80°	338.3	7.6
80°-90°	71.1	1.6
90°-100°	42.6	1.0
100°-110°	66.0	1.5
110°-120°	91.9	2.1
120°-130°	119.0	2.7
130°-140°	138.7	3.1
140°-150°	140.5	3.2
150°-160°	121.9	2.7
160°-170°	82.2	1.8
170°-180°	28.9	0.6
0°-90°	3623.0	81.3
0°-180°	4454.7	100.0



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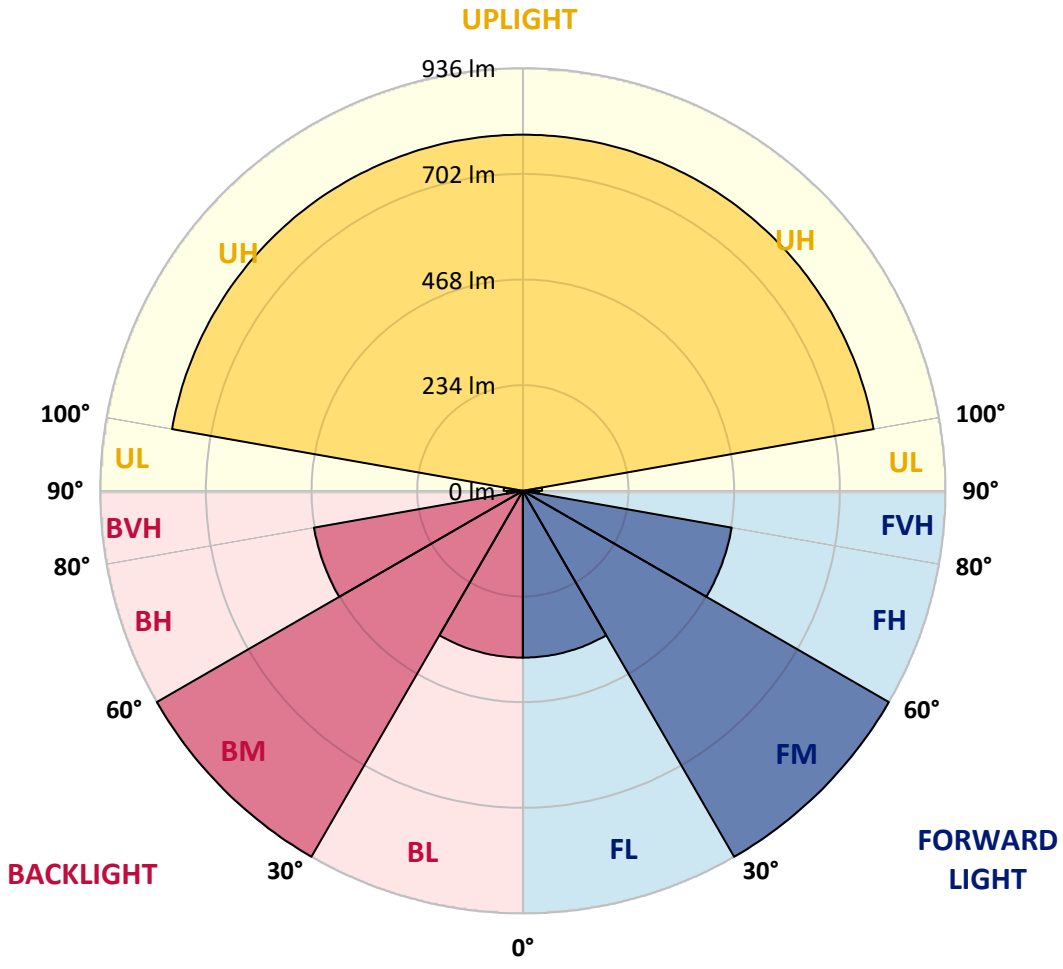
Scaled Data Report

REPORT NUMBER: P821471
CATALOG NUMBER: TT-D1-735-12VDC-CQ-UPL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	369.7	8.3			
FM	(30°-60°)	936.3	21.0			
FH	(60°-80°)	470.0	10.6			G0/660
FVH	(80°-90°)	35.5	0.8			G1/100
BL	(0°-30°)	369.7	8.3	B1/500		
BM	(30°-60°)	936.3	21.0	B1/1000		
BH	(60°-80°)	470.0	10.6	B1/500		G0/660
BVH	(80°-90°)	35.5	0.8			G1/100
UL	(90°-100°)	42.6	1.0		U2/50	
UH	(100°-180°)	789.1	17.7		U4/1000	

BUG Rating: B1-U4-G1
Type V Short



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REPORT NUMBER: P821471
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	905.4	905.4	905.4	905.4	905.4	905.4	905.4	905.4	905.4	905.4	905.4
2.5°	903.1	905.9	904.8	904.8	904.8	904.8	903.6	904.8	904.8	905.4	904.8
5°	903.6	903.1	903.1	903.6	903.6	904.2	903.1	903.6	904.2	904.2	904.8
7.5°	901.9	902.5	901.3	902.5	901.3	901.9	901.9	902.5	901.9	902.5	903.6
10°	898.5	899.0	898.5	898.5	898.5	899.6	897.3	899.0	898.5	899.0	898.5
12.5°	892.1	895.0	893.8	895.0	895.0	895.0	893.3	894.4	895.0	895.0	895.0
15°	889.2	889.8	888.1	890.4	891.0	891.5	889.2	890.4	890.4	891.0	891.5
17.5°	882.9	885.8	885.2	886.9	886.4	888.1	887.5	886.9	886.4	887.5	886.4
20°	878.3	881.2	880.6	882.3	882.9	884.6	882.9	882.9	881.2	881.8	883.5
22.5°	873.7	874.8	874.8	876.6	876.6	878.3	876.6	876.0	876.0	875.4	877.1
25°	866.2	866.8	866.2	867.9	869.1	870.2	869.7	868.5	867.9	867.9	867.4
27.5°	854.1	856.4	857.6	859.9	860.4	862.2	859.9	859.9	858.7	857.6	858.1
30°	844.9	846.0	846.0	851.2	851.2	854.1	851.2	850.7	850.1	849.5	848.4
32.5°	836.3	838.0	839.7	843.7	846.6	847.8	846.0	844.9	842.0	840.3	839.7
35°	829.3	829.9	833.4	839.1	842.6	845.5	843.2	840.3	836.3	833.4	835.7
37.5°	824.2	824.7	829.9	837.4	843.7	846.0	842.6	838.0	831.6	828.2	827.0
40°	819.6	823.0	828.8	839.1	846.0	849.5	846.6	840.3	831.1	824.2	823.6
42.5°	817.2	819.0	827.6	839.7	849.5	854.1	850.1	841.4	829.9	821.9	821.3
45°	811.5	816.7	824.7	840.3	851.2	857.0	851.2	840.3	826.5	817.2	815.5
47.5°	806.9	808.6	821.3	839.1	852.4	857.0	851.2	837.4	820.1	808.0	806.9
50°	795.9	800.0	812.6	831.6	847.2	851.8	844.9	826.5	806.9	793.6	791.3
52.5°	779.2	782.7	797.7	821.3	836.3	841.4	831.1	811.5	788.5	772.3	772.3
55°	753.3	758.5	774.1	798.2	817.2	821.9	809.8	789.0	763.1	747.0	746.4
57.5°	722.2	725.7	742.4	768.9	787.3	794.2	782.1	759.1	733.2	714.2	712.4
60°	681.9	686.5	704.4	729.7	748.7	754.5	744.1	721.1	694.6	674.4	674.4
62.5°	633.5	638.7	656.6	682.5	702.1	710.7	696.3	674.4	646.8	627.2	625.5
65°	577.1	581.7	597.8	624.9	645.0	651.4	640.4	617.4	590.9	572.5	570.8
67.5°	513.7	520.1	536.2	559.2	576.5	584.6	577.7	556.9	529.3	510.3	508.5
70°	445.2	449.8	462.5	483.8	503.4	509.1	498.8	484.9	459.0	441.7	439.4
72.5°	372.1	376.1	386.5	406.6	420.4	427.9	422.2	404.3	383.6	369.2	371.5
75°	298.3	297.8	309.3	323.7	336.3	341.5	337.5	326.0	307.0	294.9	294.3
77.5°	224.6	230.4	234.4	246.5	256.9	260.9	255.1	245.9	231.5	221.7	223.5
80°	157.8	154.4	161.8	169.3	176.2	180.3	176.8	171.6	161.8	154.4	153.2
82.5°	96.8	93.9	97.3	104.2	108.9	110.0	110.6	104.2	100.2	94.5	95.6
85°	42.6	43.2	46.1	50.7	51.3	51.8	51.8	50.7	46.1	45.5	44.3
87.5°	10.4	10.4	10.9	12.7	12.7	13.2	13.2	11.5	10.9	9.8	10.4
90°	30.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
92.5°	34.8	34.2	34.2	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
95°	39.4	39.4	39.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
97.5°	44.6	44.6	44.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
100°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
102.5°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.4	55.9	55.9	55.9
105°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.9	62.0	62.0	62.0
107.5°	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.5	69.0	69.0	69.0
110°	75.1	75.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1

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CATALOG NUMBER: TT-D1-735-12VDC-CQ-UPL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	83.1	*83.1*	84.0	84.0	84.0	84.0	84.6	84.6	84.0	84.0	84.0
115°	91.1	*91.1*	92.0	92.0	92.0	92.0	93.0	93.0	92.0	92.0	92.0
117.5°	100.5	*100.5*	101.0	101.4	101.4	101.4	102.4	102.4	101.4	101.4	101.4
120°	109.9	*109.9*	109.9	110.8	110.8	110.8	111.8	111.8	110.8	110.8	110.8
122.5°	120.7	*120.7*	121.2	121.6	121.6	121.6	122.6	122.6	122.1	122.1	121.6
125°	131.5	*131.5*	132.4	132.4	132.4	132.4	133.4	133.4	133.4	133.4	132.4
127.5°	143.2	*143.2*	144.2	144.2	144.2	144.2	145.1	145.1	145.1	145.1	144.2
130°	155.0	*155.0*	155.9	155.9	155.9	155.9	156.8	156.8	156.8	156.8	155.9
132.5°	167.2	*167.2*	167.6	167.6	167.6	168.1	168.6	168.6	168.6	168.6	168.1
135°	179.4	*179.4*	179.4	179.4	179.4	180.3	180.3	180.3	180.3	180.3	180.3
137.5°	191.2	*190.6*	191.2	190.6	191.2	191.6	191.6	191.6	191.6	191.6	191.6
140°	202.9	*201.9*	202.9	201.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9
142.5°	213.7	*213.2*	213.7	212.7	213.7	213.7	213.7	213.7	213.7	213.7	213.7
145°	224.5	*224.5*	224.5	223.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5
147.5°	235.8	*235.3*	235.8	234.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8
150°	247.0	*246.1*	247.0	246.1	247.0	247.0	247.0	247.0	247.0	247.0	247.0
152.5°	256.0	*255.5*	256.4	255.5	256.0	256.0	256.4	256.0	256.0	256.0	256.0
155°	264.9	*264.9*	265.8	264.9	264.9	264.9	265.8	264.9	264.9	264.9	264.9
157.5°	272.4	*272.4*	273.3	272.4	272.4	272.4	273.3	272.4	272.4	272.4	272.4
160°	279.9	*279.9*	280.8	279.9	279.9	279.9	280.8	279.9	279.9	279.9	279.9
162.5°	286.0	*286.0*	286.9	286.0	286.0	286.0	286.9	286.0	286.0	286.0	286.0
165°	292.1	*292.1*	293.0	292.1	292.1	292.1	293.0	292.1	292.1	292.1	292.1
167.5°	295.8	*295.8*	296.8	295.8	295.8	295.8	296.8	295.8	295.8	295.8	295.8
170°	299.6	*299.6*	300.5	299.6	299.6	299.6	300.5	299.6	299.6	299.6	299.6
172.5°	302.0	*302.0*	302.8	302.0	302.4	302.0	302.8	302.0	302.0	302.0	302.0
175°	304.3	*304.3*	305.2	304.3	305.2	304.3	305.2	304.3	304.3	304.3	304.3
177.5°	305.2	*305.2*	305.7	305.2	305.7	305.2	305.7	305.2	305.2	305.2	305.2
180°	306.2	*306.2*	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2

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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: SP1-2407-176-4

Test Date: 09/24/2024

Luminaire Tested: MEM2-HTN-VA-30-735-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-735-U-WQ

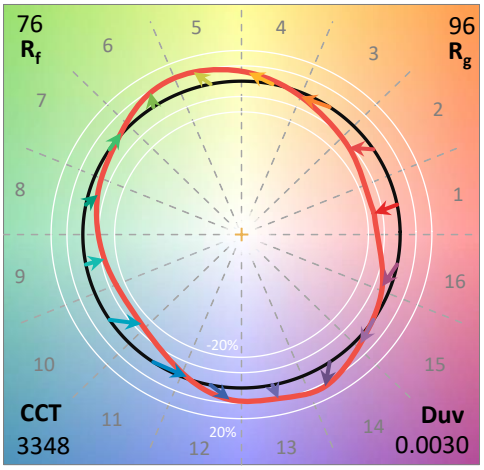
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	09/27/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-VA-30-735-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	3348	CRI (Ra):	73.4		
CIE u':	0.2384	R1:	70.8	R9:	-19.2
CIE v':	0.5184	R2:	79.9	R10:	52.5
Duv:	0.0030	R3:	87.6	R11:	68.0
CIE x:	0.4177	R4:	72.6	R12:	42.6
CIE y:	0.4036	R5:	69.3	R13:	72.0
CIE z:	0.1787	R6:	71.3	R14:	92.6
Peak Wavelength (nm):	593	R7:	82.1	R15:	63.8
Dominant Wavelength (nm):	580	R8:	53.3		
Purity:	46.5223				
Rf:	75.8				
Rg:	95.8				



Test Conditions

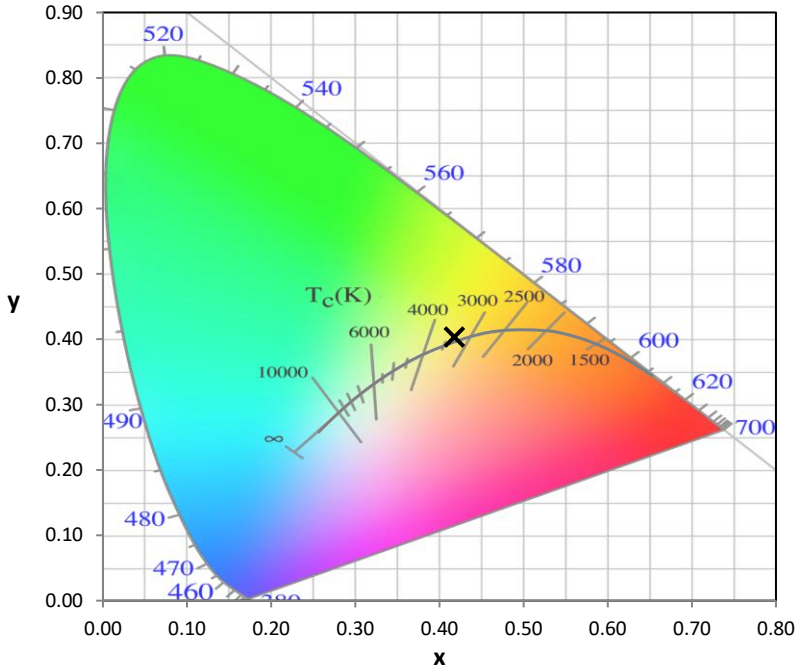
Stabilization Time:	30M
Operation Time:	1H 30M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-4

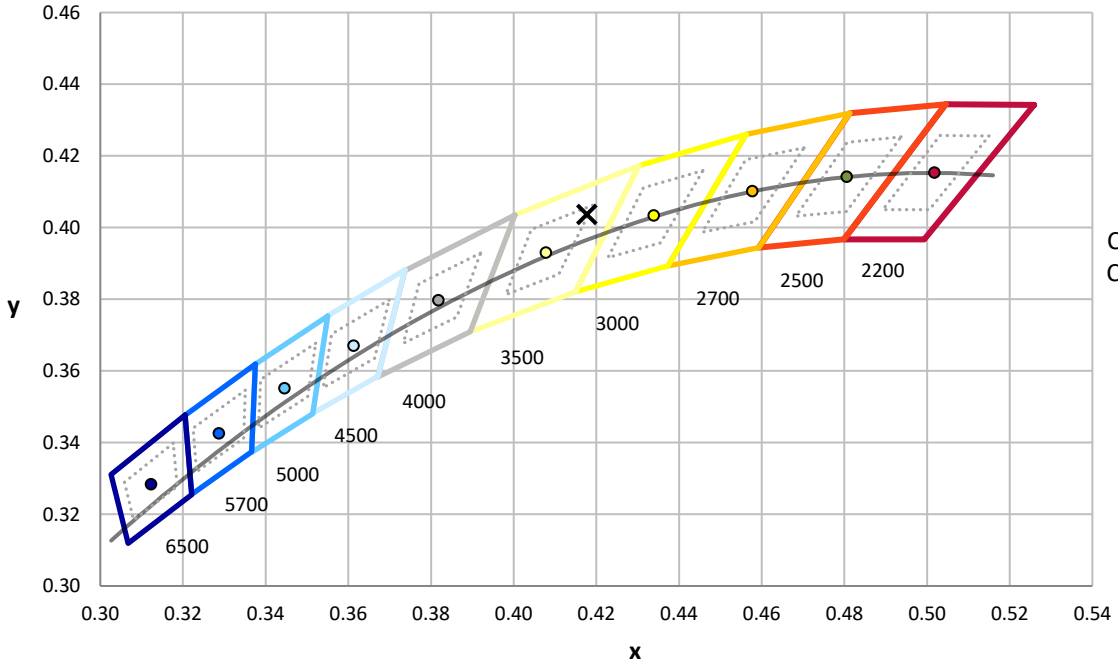
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-176-4

CIE 1931 Chromaticity Diagram



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

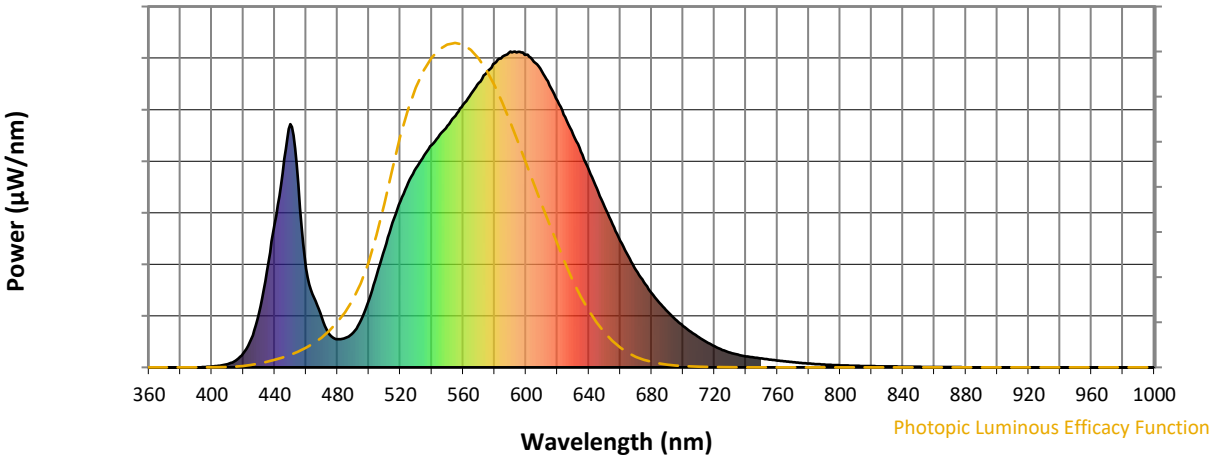


CCT = 3348K
CIE x = 0.4177
CIE y = 0.4036
Duv = 0.0030

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-176-4

Photopic Flux vs. Wavelength

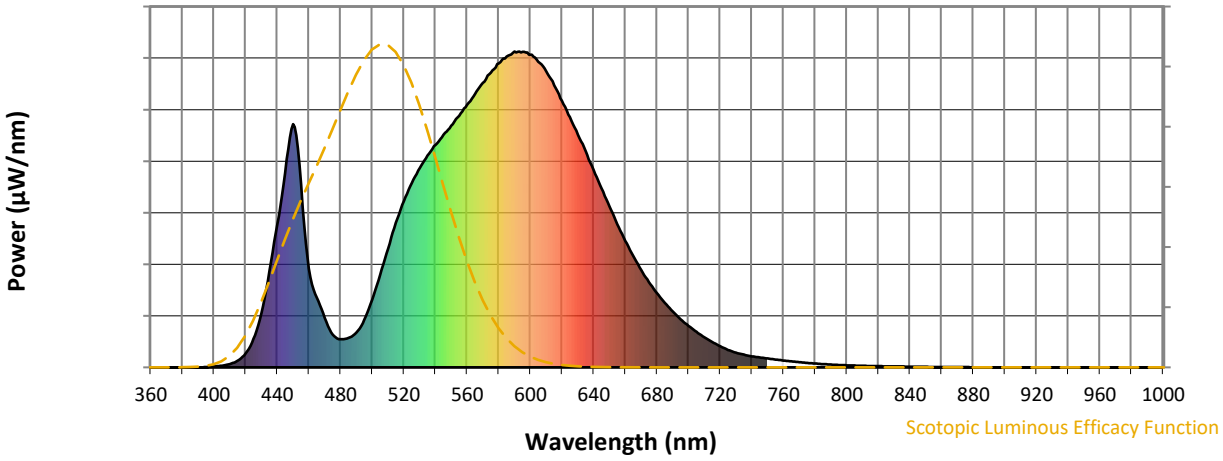


Photopic Lumens: NR

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	110	NR	620	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

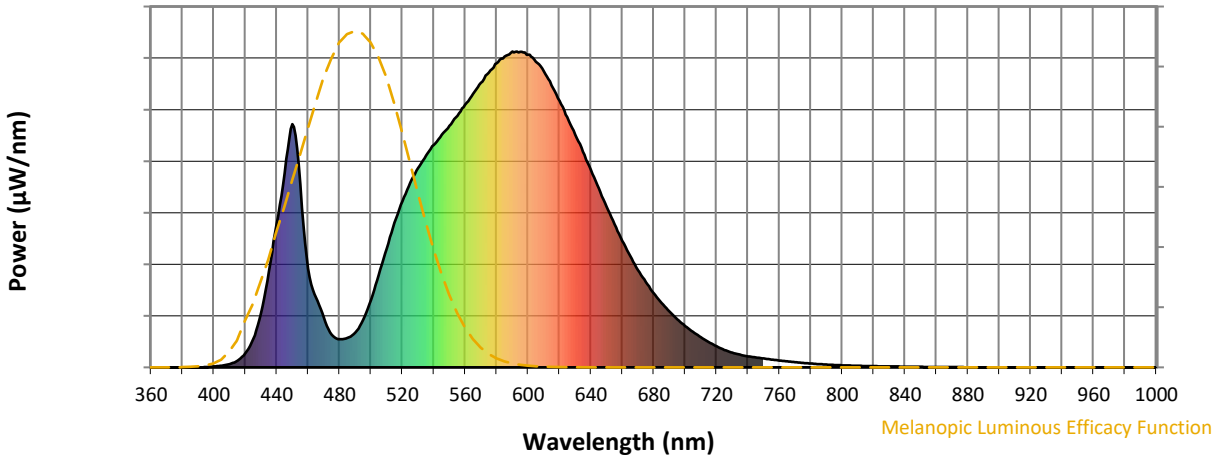


Scotopic Lumens: NR **S/P: 1.31**

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	110	NR	620	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.4**

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	110	NR	620	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

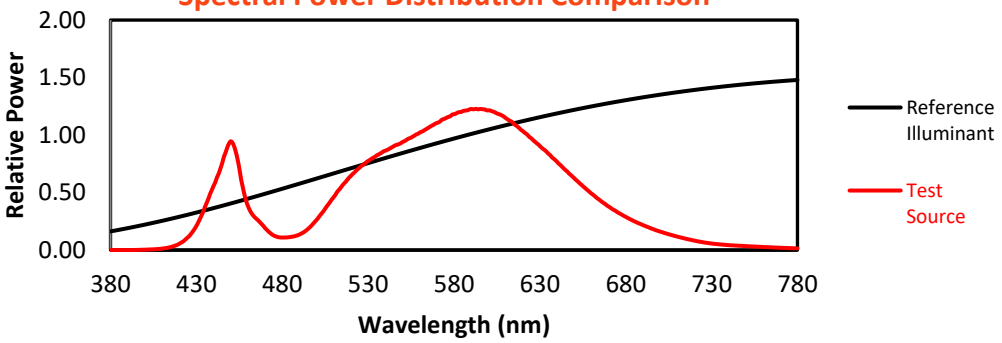
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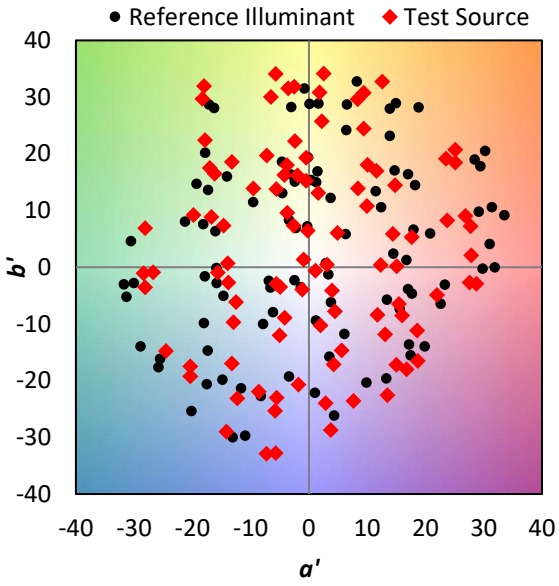
Summary

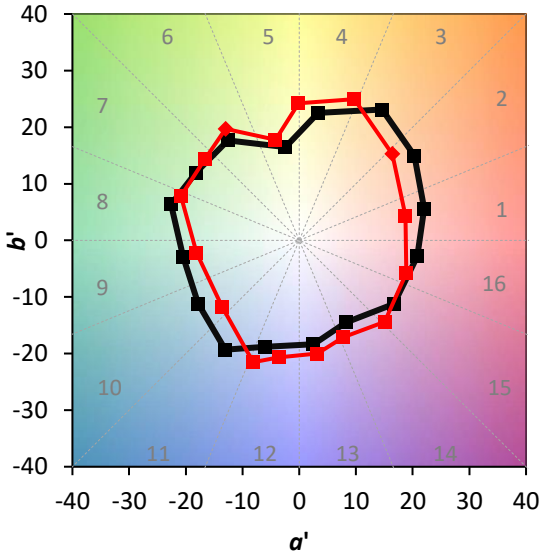
R_f = 75.8
R_g = 95.8
CIE R_a = 73.4
R_9 = -19.2

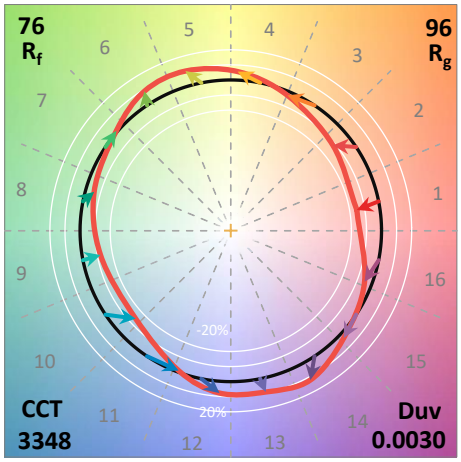
Spectral Power Distribution Comparison

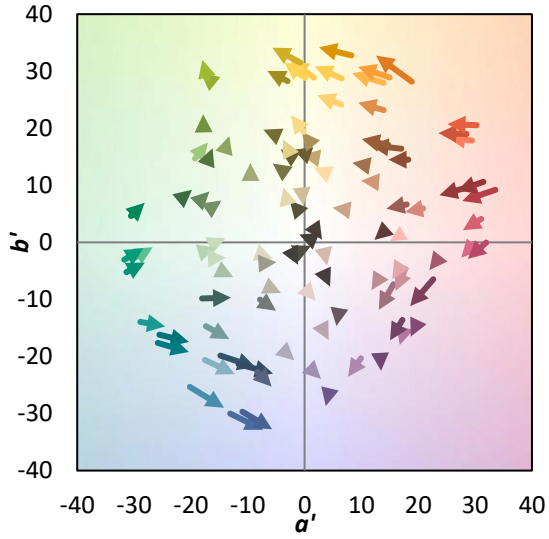


Color Vector Graphics







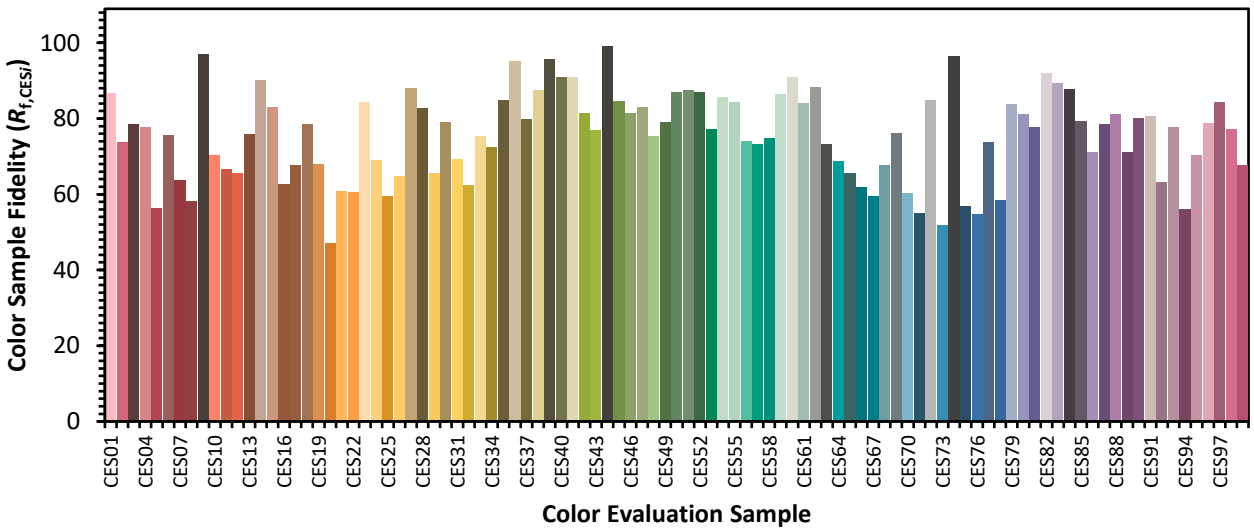


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Individual Sample Fidelity Index ($R_{f,i}$)

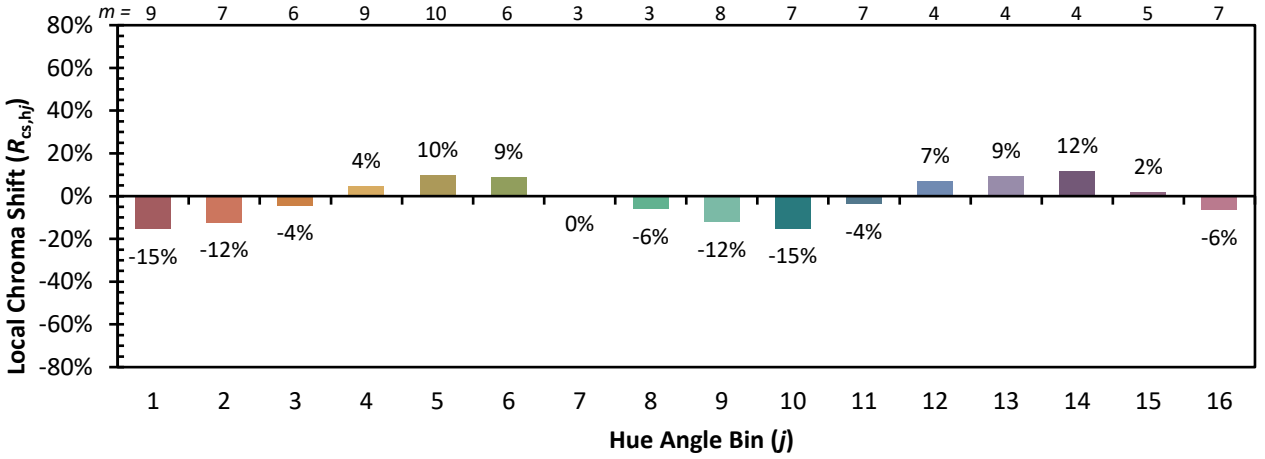
CES01 = 86	CES26 = 65	CES51 = 88	CES76 = 55
CES02 = 62	CES27 = 88	CES52 = 87	CES77 = 74
CES03 = 31	CES28 = 83	CES53 = 77	CES78 = 58
CES04 = 70	CES29 = 66	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 79	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 69	CES56 = 74	CES81 = 78
CES07 = 41	CES32 = 62	CES57 = 73	CES82 = 92
CES08 = 40	CES33 = 75	CES58 = 75	CES83 = 89
CES09 = 29	CES34 = 73	CES59 = 87	CES84 = 88
CES10 = 75	CES35 = 85	CES60 = 91	CES85 = 79
CES11 = 58	CES36 = 95	CES61 = 84	CES86 = 71
CES12 = 64	CES37 = 80	CES62 = 88	CES87 = 79
CES13 = 43	CES38 = 88	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 69	CES89 = 71
CES15 = 71	CES40 = 91	CES65 = 66	CES90 = 80
CES16 = 47	CES41 = 91	CES66 = 62	CES91 = 81
CES17 = 50	CES42 = 81	CES67 = 60	CES92 = 63
CES18 = 56	CES43 = 77	CES68 = 68	CES93 = 78
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 56
CES20 = 65	CES45 = 85	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 82	CES71 = 55	CES96 = 79
CES22 = 79	CES47 = 83	CES72 = 85	CES97 = 84
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 77
CES24 = 91	CES49 = 79	CES74 = 96	CES99 = 68
CES25 = 72	CES50 = 87	CES75 = 57	

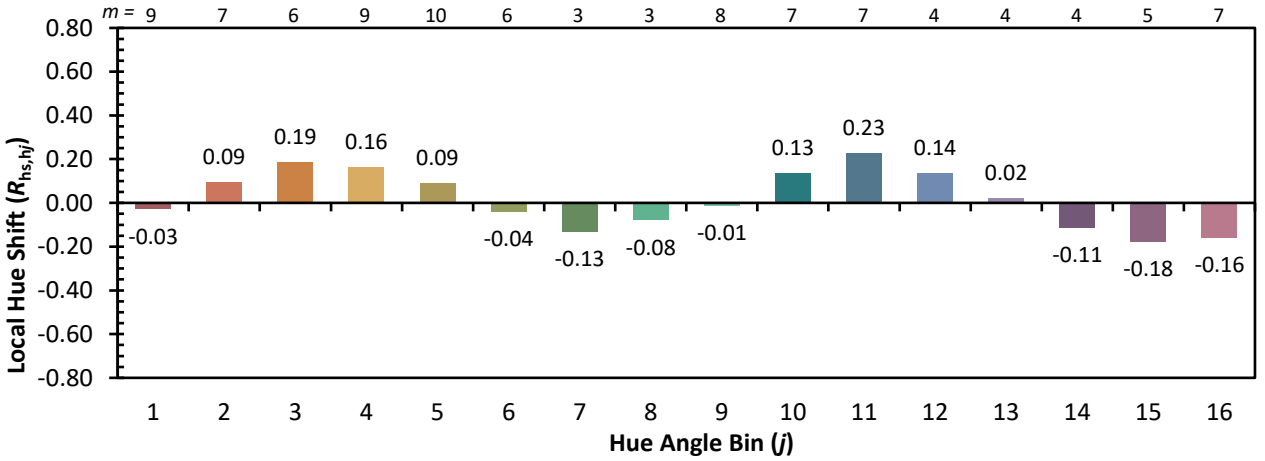


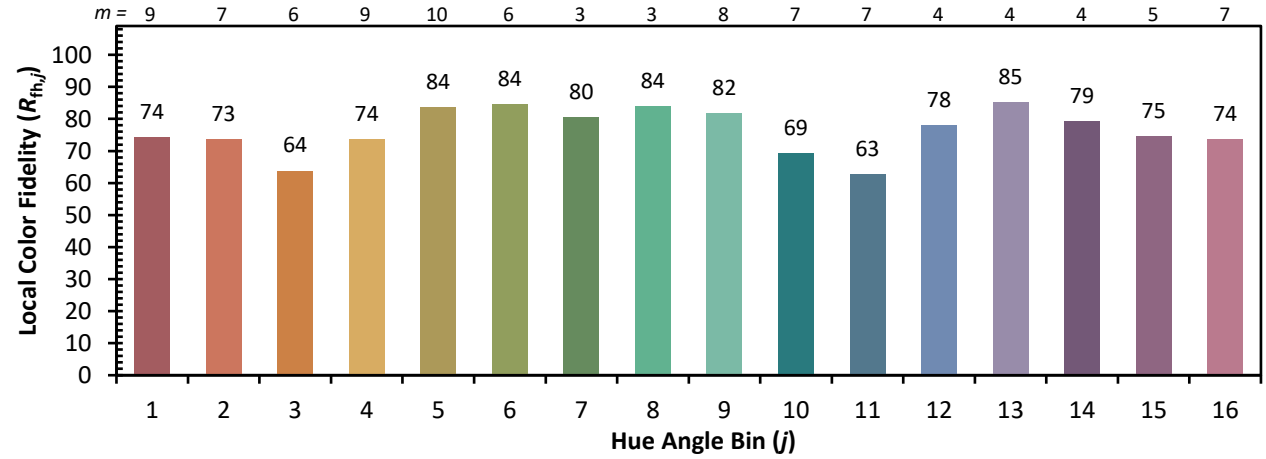
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Color Rendition by Hue-Angle Bin



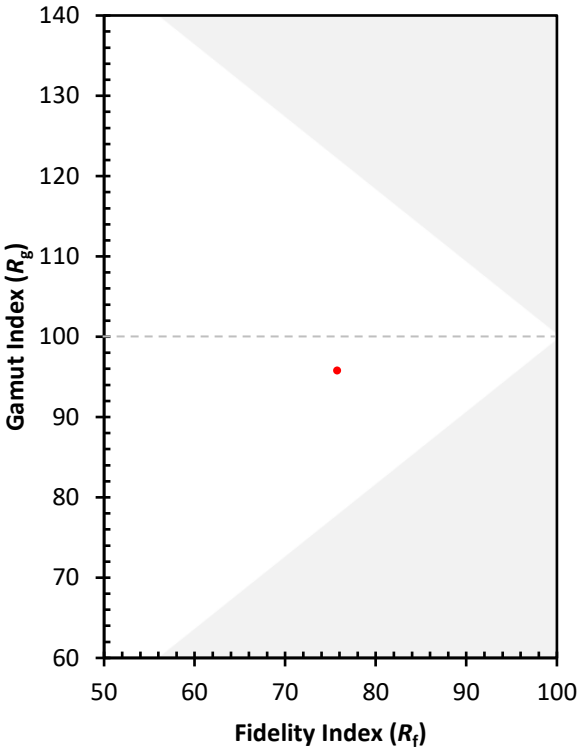


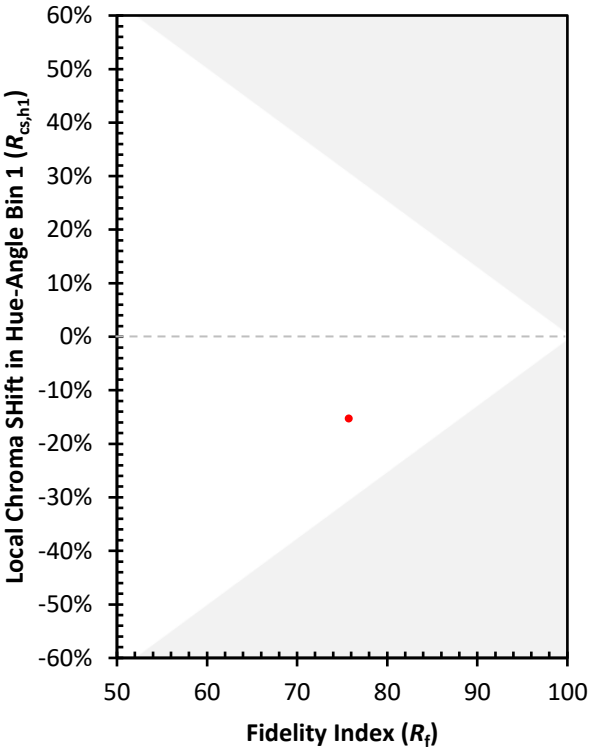


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Measure Comparisons





(END OF REPORT)