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: LUMARK

Report Number: P980945

Luminaire Tested: **NFFLD-C40-7027-66**

Issue Date: 04/10/2025

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:	P980945
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C40-7027-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 130W 70CRI 2700K LED FIXTURE NEMA 6
Light Source:	(2) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20415.4 lumens
Efficiency:	N/A
Efficacy:	153.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G1

Input Watts (W):	132.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.87%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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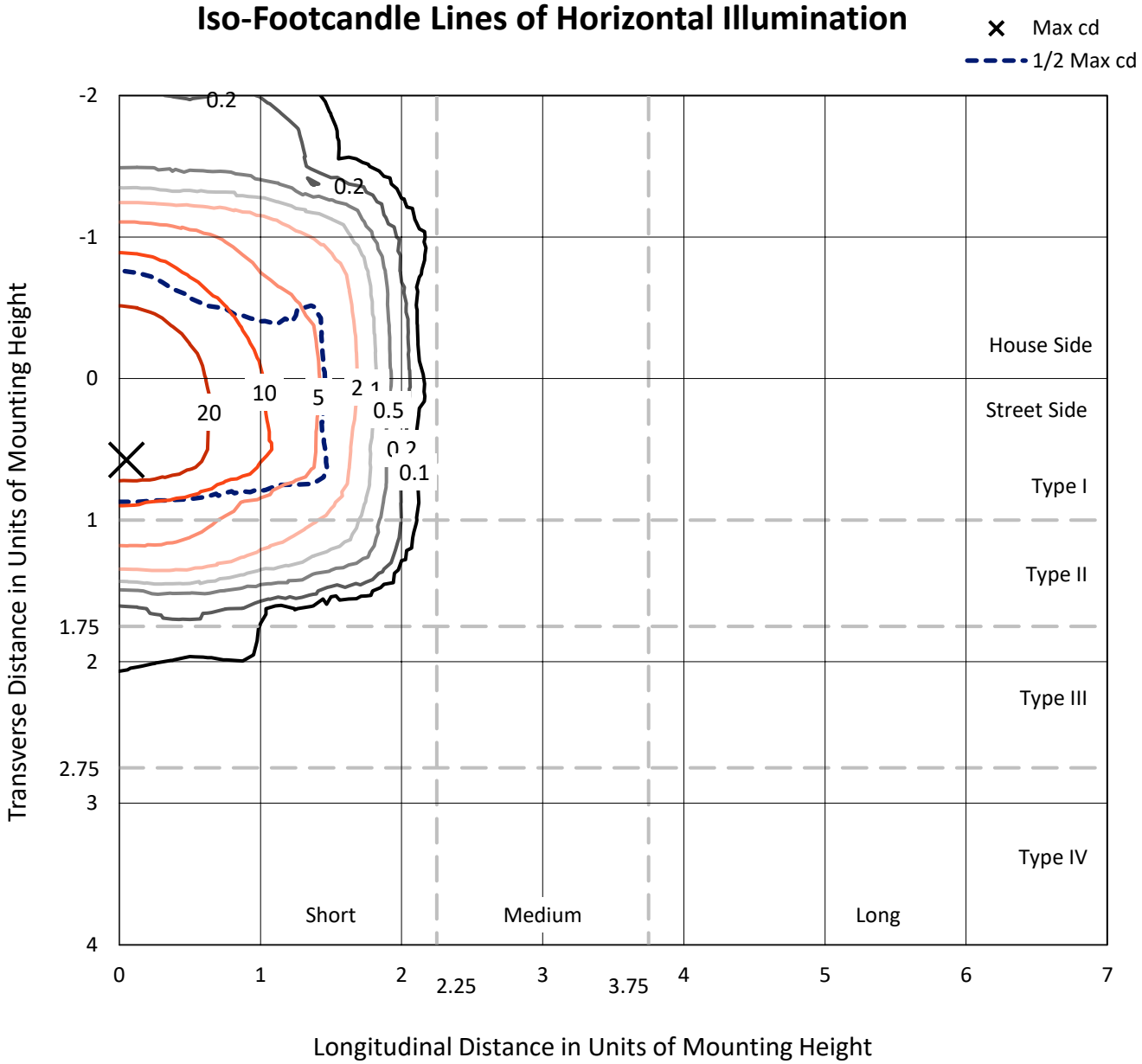
REPORT NUMBER: P980945
CATALOG NUMBER: NFFLD-C40-7027-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 37.9 fc
Type I - Short - N/A

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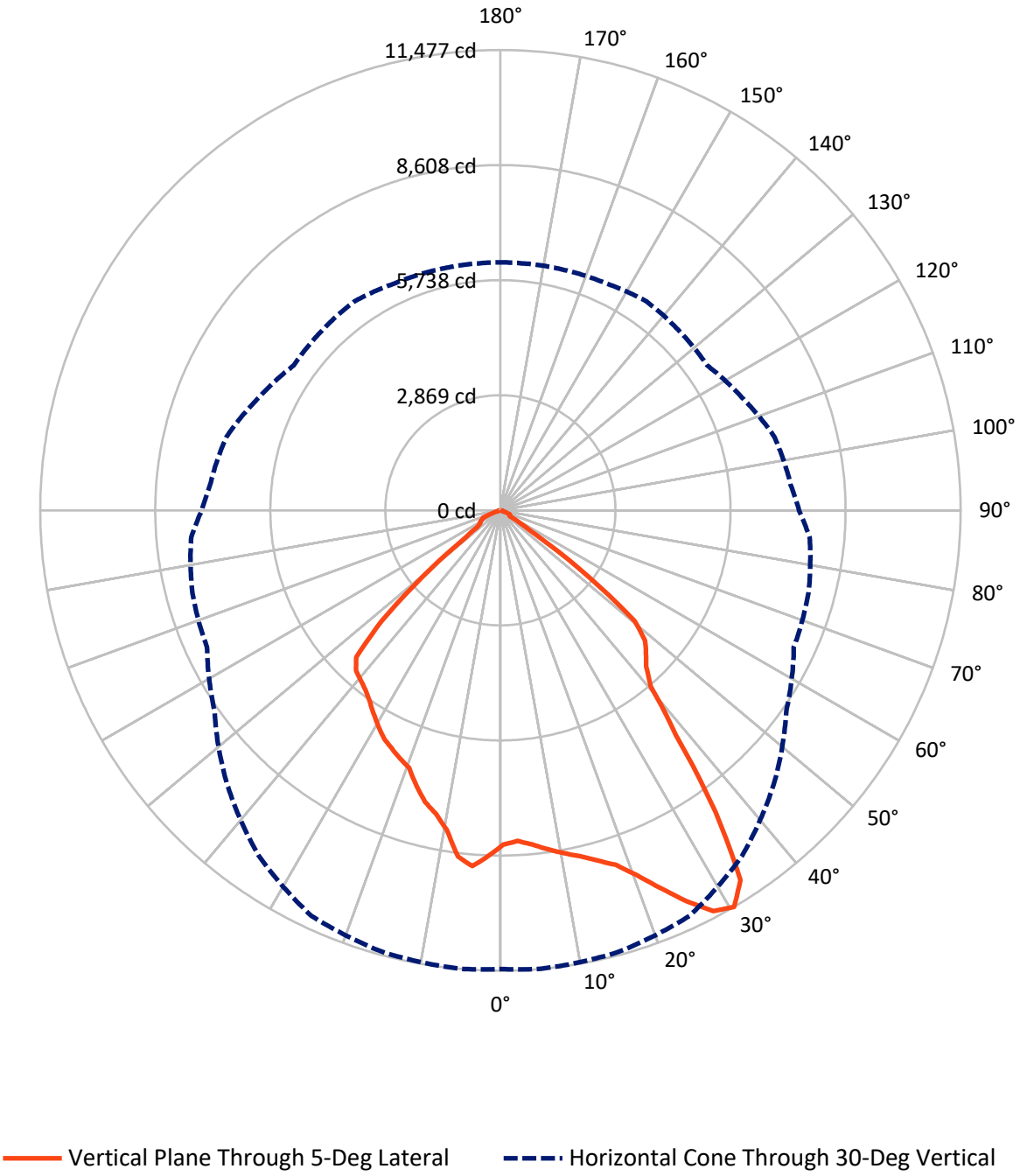
Luminous Intensity Polar Plot



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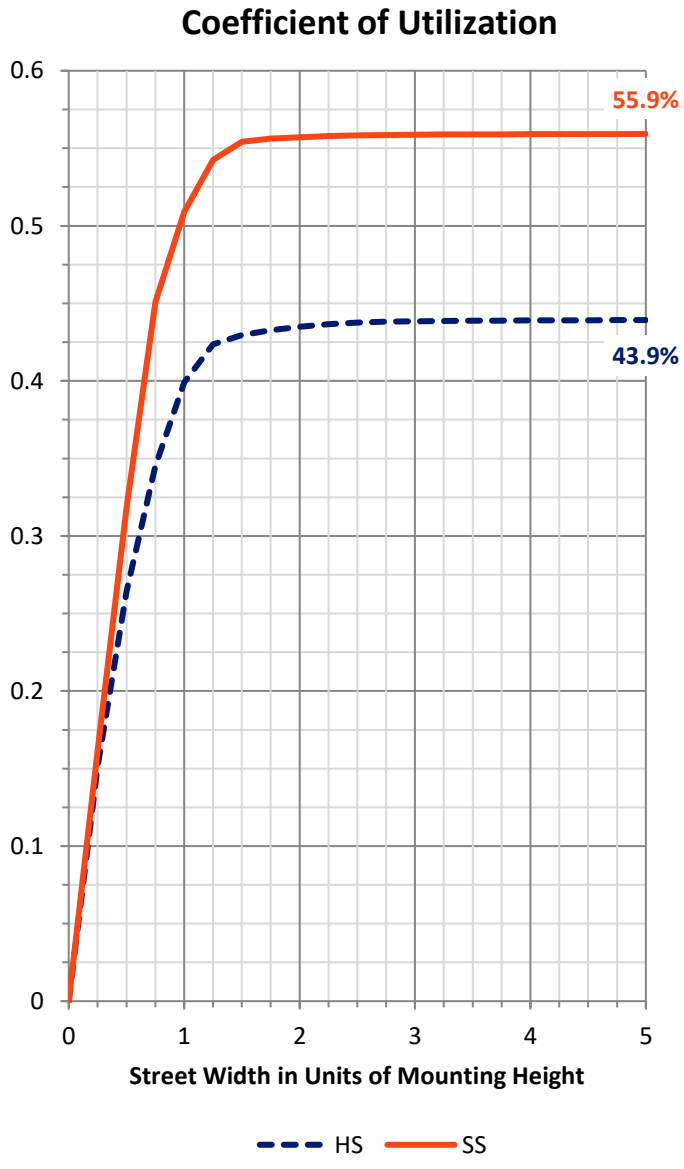
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9029.5	0.0	9029.5
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	11385.9	0.0	11385.9
	% Fixture	55.8	0.0	55.8
Total	Lumens	20415.4	0.0	20415.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	815.1	4.0
10°-20°	2361.4	11.6
20°-30°	3763.0	18.4
30°-40°	4704.4	23.0
40°-50°	4616.6	22.6
50°-60°	3300.6	16.2
60°-70°	730.3	3.6
70°-80°	112.2	0.5
80°-90°	11.9	0.1
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°	20415.4	100.0
0°-180°	20415.4	100.0



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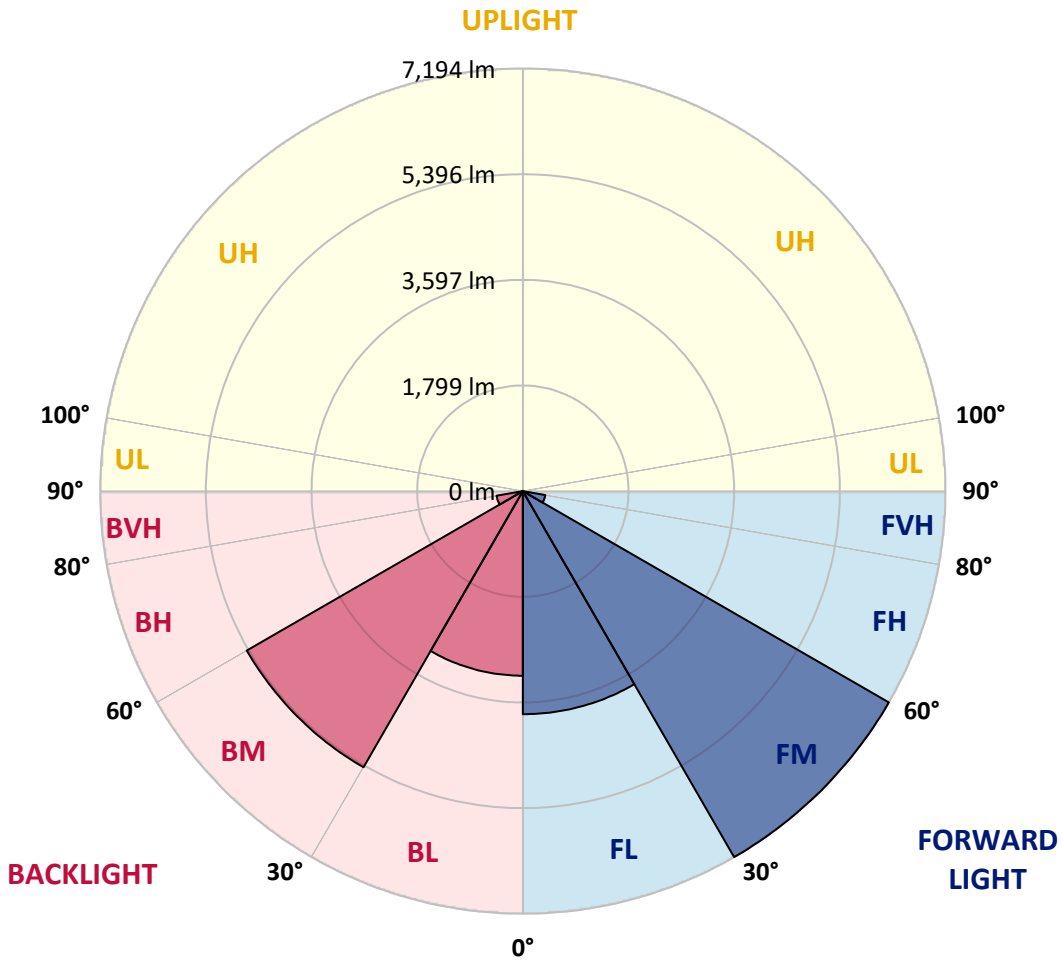
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3797.1	18.6			
FM	(30°-60°)	7194.4	35.2			
FH	(60°-80°)	388.4	1.9			G0/660
FVH	(80°-90°)	6.0	0.0			G0/10
BL	(0°-30°)	3142.5	15.4	B4/5000		
BM	(30°-60°)	5427.2	26.6	B4/8500		
BH	(60°-80°)	454.0	2.2	B1/500		G1/500
BVH	(80°-90°)	5.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9
2.5°	8239.6	8252.9	8266.3	8286.2	8312.9	8326.2	8312.9	8299.6	8292.9	8306.2	8312.9
5°	8352.8	8372.8	8379.5	8392.8	8406.1	8392.8	8386.2	8372.8	8366.2	8372.8	8392.8
7.5°	8519.4	8532.7	8526.0	8519.4	8512.7	8466.1	8419.5	8399.5	8399.5	8419.5	8472.7
10°	8665.9	8692.6	8659.3	8632.6	8586.0	8512.7	8432.8	8386.2	8399.5	8439.4	8506.0
12.5°	8852.4	8852.4	8819.1	8792.5	8685.9	8599.3	8492.7	8419.5	8419.5	8492.7	8566.0
15°	9078.9	9058.9	9045.6	8972.3	8845.8	8705.9	8572.7	8466.1	8446.1	8559.3	8606.0
17.5°	9365.3	9292.0	9258.7	9132.2	8959.0	8779.1	8599.3	8512.7	8452.8	8572.7	8519.4
20°	9758.3	9705.0	9598.4	9398.6	9045.6	8812.5	8599.3	8486.1	8439.4	8506.0	8452.8
22.5°	10264.5	10231.2	9991.4	9738.3	9272.1	8839.1	8566.0	8412.8	8399.5	8366.2	8252.9
25°	10884.0	10797.4	10551.0	10191.3	9611.8	9098.9	8559.3	8279.6	8232.9	8146.4	7946.5
27.5°	11410.2	11317.0	11017.2	10697.5	10078.0	9485.2	8612.6	8119.7	8066.4	8006.5	7760.0
30°	11436.9	11476.8	11396.9	11157.1	10511.0	9645.1	8705.9	8073.1	7953.2	7740.0	7447.0
32.5°	10897.3	10990.6	11183.8	11270.3	10837.4	9838.2	8785.8	8093.1	7873.3	7360.4	7120.6
35°	9052.2	9238.8	10031.4	10777.4	10930.6	10118.0	8852.4	8093.1	7846.6	7087.3	6900.8
37.5°	6954.0	7107.2	7780.0	9132.2	10517.7	10291.2	8999.0	8046.4	7813.3	7107.2	6854.1
40°	5681.8	5768.4	6061.5	6980.7	9065.6	10004.8	9145.5	8099.7	7713.4	7120.6	6880.8
42.5°	5335.4	5328.8	5268.8	5608.5	6914.1	9165.5	9245.4	8232.9	7546.9	7034.0	6834.1
45°	5102.3	5089.0	5035.7	5102.3	5468.7	7500.2	9172.1	8472.7	7340.4	6727.6	6594.4
47.5°	4849.2	4855.8	4835.9	4862.5	4795.9	5695.1	8759.2	8572.7	6987.3	6214.7	6168.1
50°	4243.0	4342.9	4609.4	4636.0	4462.8	4596.1	7500.2	8526.0	6734.2	6068.1	6028.2
52.5°	2637.7	2797.6	3583.6	4249.7	4149.8	4149.8	5721.8	8592.6	6281.3	6014.8	6041.5
55°	932.5	1052.4	1918.4	2924.2	3716.8	3790.1	4522.8	7646.8	6228.0	6108.1	6134.7
57.5°	233.1	286.4	586.2	1265.6	2504.5	3437.1	4043.2	6314.6	4729.3	4562.8	4629.4
60°	273.1	266.4	366.4	406.3	972.5	2717.7	3643.5	4263.0	3050.7	2857.6	2890.9
62.5°	293.1	273.1	286.4	359.7	159.9	1332.2	2904.2	2537.8	1258.9	932.5	985.8
65°	259.8	246.5	226.5	333.0	113.2	246.5	1711.9	746.0	179.8	286.4	259.8
67.5°	173.2	179.8	186.5	266.4	106.6	106.6	226.5	186.5	126.6	259.8	226.5
70°	99.9	106.6	126.6	159.9	106.6	86.6	99.9	153.2	106.6	259.8	226.5
72.5°	59.9	59.9	59.9	66.6	106.6	73.3	66.6	126.6	93.3	239.8	226.5
75°	46.6	46.6	46.6	40.0	93.3	46.6	46.6	99.9	79.9	173.2	173.2
77.5°	40.0	40.0	40.0	33.3	53.3	40.0	40.0	73.3	73.3	86.6	99.9
80°	26.6	26.6	26.6	26.6	33.3	33.3	26.6	40.0	33.3	40.0	46.6
82.5°	13.3	20.0	20.0	13.3	20.0	20.0	20.0	26.6	20.0	26.6	26.6
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	13.3	6.7	6.7	13.3
87.5°	0.0	0.0	0.0	0.0	0.0	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

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Scaled Data Report

REPORT NUMBER: P980945
CATALOG NUMBER: NFFLD-C40-7027-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9	8332.9
2.5°	8326.2	8359.5	8406.1	8479.4	8506.0	8552.7	8592.6	8625.9	8625.9	8612.6
5°	8432.8	8526.0	8652.6	8765.8	8805.8	8852.4	8872.4	8905.7	8899.0	8892.4
7.5°	8526.0	8672.6	8805.8	8885.7	8872.4	8812.5	8772.5	8719.2	8699.2	8712.5
10°	8599.3	8732.5	8792.5	8739.2	8579.3	8439.4	8259.6	8139.7	8079.7	8099.7
12.5°	8625.9	8672.6	8619.3	8326.2	8126.4	7993.2	7846.6	7766.7	7733.4	7740.0
15°	8632.6	8526.0	8232.9	8013.1	7866.6	7700.1	7580.2	7506.9	7506.9	7513.6
17.5°	8492.7	8232.9	7979.8	7813.3	7606.8	7433.6	7367.0	7340.4	7173.9	7200.5
20°	8366.2	7993.2	7853.3	7593.5	7347.0	7233.8	6847.5	6807.5	6814.2	6820.8
22.5°	8099.7	7820.0	7693.4	7353.7	7073.9	6760.9	6707.6	6667.6	6674.3	6674.3
25°	7733.4	7573.5	7400.3	7047.3	6707.6	6647.6	6607.7	6554.4	6527.7	6534.4
27.5°	7526.9	7327.1	7007.3	6707.6	6487.8	6514.4	6467.8	6387.9	6387.9	6394.5
30°	*7267.1*	*7073.9*	*6647.6*	*6294.6*	*6314.6*	*6354.6*	*6241.3*	*6201.4*	*6181.4*	*6181.4*
32.5°	6947.4	6680.9	6307.9	5974.9	6094.8	6081.5	5941.6	5954.9	5968.2	5954.9
35°	6707.6	6361.2	6048.2	5868.3	5821.7	5768.4	5695.1	5741.7	5761.7	5748.4
37.5°	6647.6	6234.7	5908.3	5781.7	5601.9	5502.0	5521.9	5568.6	5595.2	5588.5
40°	6627.7	6108.1	5788.4	5655.2	5415.4	5328.8	5355.4	5448.7	5482.0	5475.3
42.5°	6601.0	6021.5	5715.1	5555.2	5222.2	5162.2	5288.8	5375.4	5382.1	5375.4
45°	6461.1	5928.3	5668.5	5348.8	4929.1	5002.4	5162.2	5208.9	5128.9	5095.6
47.5°	6134.7	5755.1	5528.6	5095.6	4689.3	4829.2	4849.2	4342.9	4049.9	3983.3
50°	6041.5	5761.7	5368.7	4795.9	4542.8	4682.7	3810.1	2910.8	2544.5	2471.2
52.5°	6014.8	5695.1	5428.7	4482.8	4489.5	3950.0	2404.6	1425.4	1145.7	1092.4
55°	6081.5	5988.2	5528.6	4296.3	4176.4	2571.1	1119.0	672.8	692.7	672.8
57.5°	4589.4	5009.0	5648.5	4003.2	3050.7	1238.9	706.1	652.8	606.1	592.8
60°	2864.2	3263.9	4136.5	3443.7	1565.3	739.4	719.4	606.1	586.2	579.5
62.5°	945.9	1452.1	2371.3	2264.7	433.0	732.7	726.0	539.5	539.5	539.5
65°	239.8	246.5	652.8	779.3	319.7	652.8	692.7	506.2	492.9	512.9
67.5°	206.5	186.5	346.4	306.4	266.4	452.9	606.1	486.3	459.6	459.6
70°	206.5	219.8	339.7	286.4	166.5	246.5	439.6	299.7	266.4	246.5
72.5°	193.2	213.2	299.7	259.8	113.2	119.9	193.2	99.9	93.3	79.9
75°	166.5	173.2	233.1	233.1	119.9	59.9	79.9	66.6	66.6	59.9
77.5°	113.2	86.6	133.2	166.5	86.6	40.0	33.3	33.3	33.3	26.6
80°	59.9	33.3	33.3	26.6	33.3	33.3	20.0	26.6	26.6	20.0
82.5°	33.3	20.0	20.0	13.3	13.3	20.0	13.3	13.3	13.3	13.3
85°	13.3	13.3	6.7	6.7	6.7	13.3	6.7	6.7	6.7	6.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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

Lumark

Report Number: SP1-2501-319-9

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7027-66

Data in this report applies to families of products including NFFLD-C55-7027-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

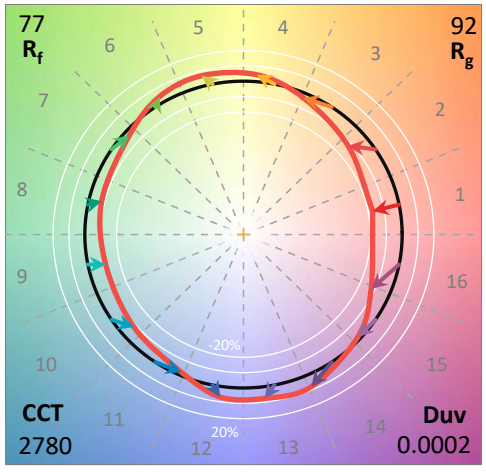
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	02/06/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Lumark
Catalog Number:	**NFFLD-C55-7027-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	2780	CRI (Ra):	72.0		
CIE u':	0.2590	R1:	68.2	R9:	-35.8
CIE v':	0.5260	R2:	85.1	R10:	68.0
Duv:	0.0002	R3:	93.3	R11:	62.3
CIE x:	0.4536	R4:	66.5	R12:	62.2
CIE y:	0.4095	R5:	68.5	R13:	71.6
CIE z:	0.1369	R6:	81.1	R14:	96.6
Peak Wavelength (nm):	597	R7:	74.6	R15:	59.0
Dominant Wavelength (nm):	583	R8:	38.9		
Purity:	59.08593				

Rf:	77.4
Rg:	92.5



Test Conditions

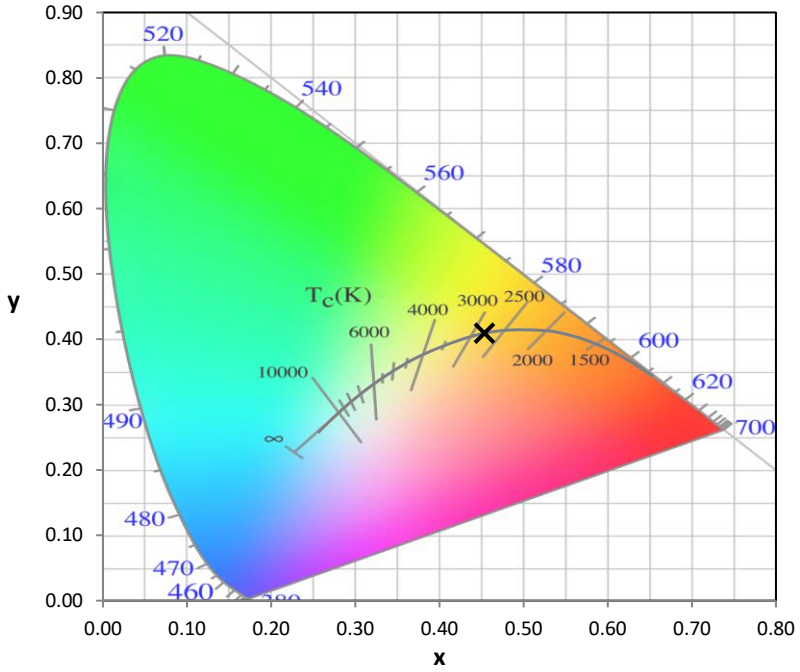
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-9

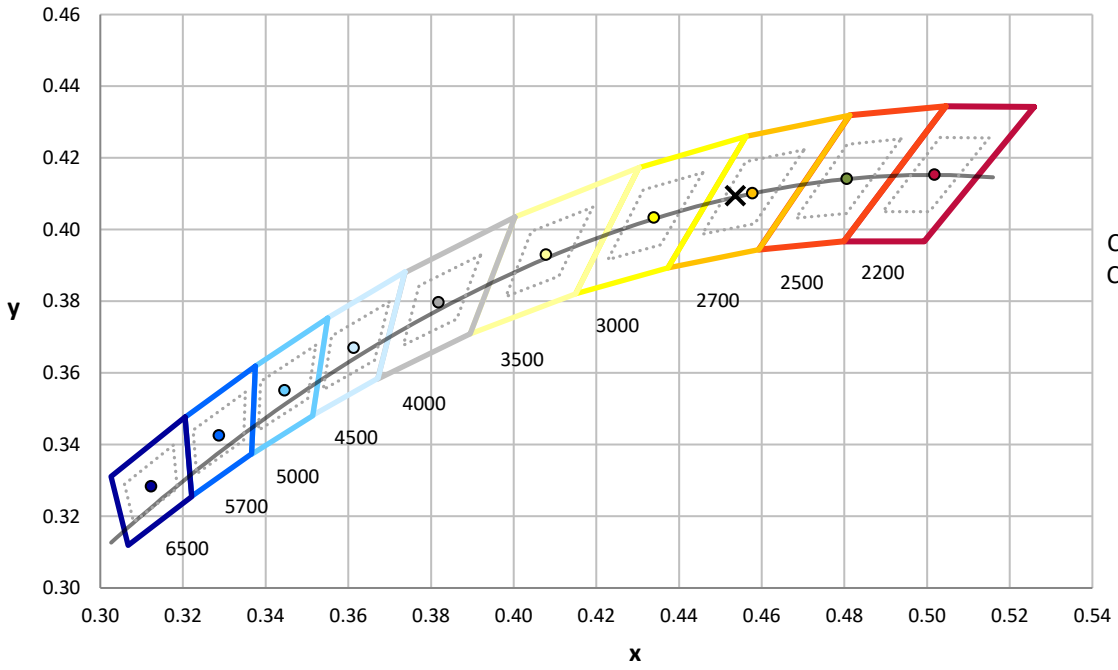
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-319-9

CIE 1931 Chromaticity Diagram



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

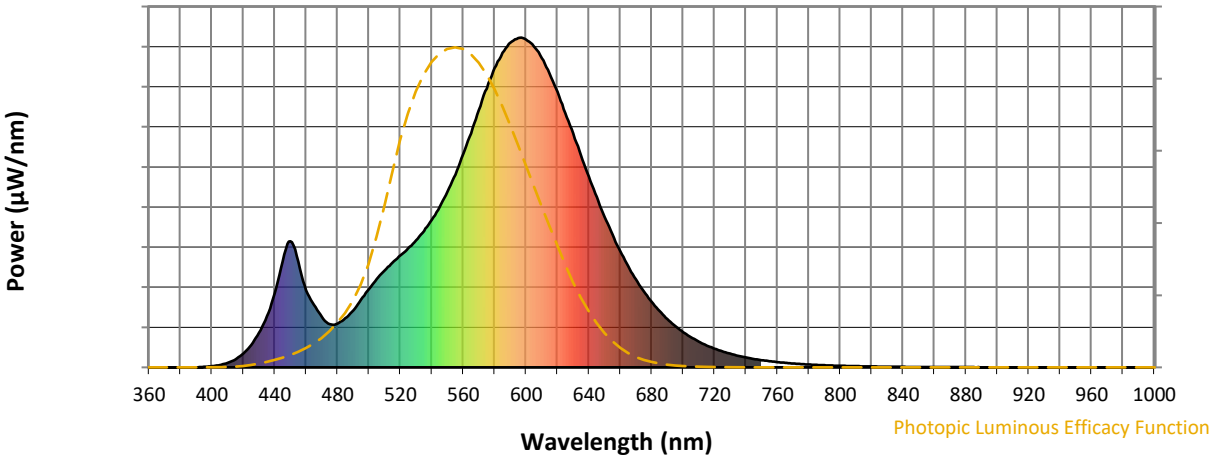


CCT = 2780K
CIE x = 0.4536
CIE y = 0.4095
Duv = 0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-9

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	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

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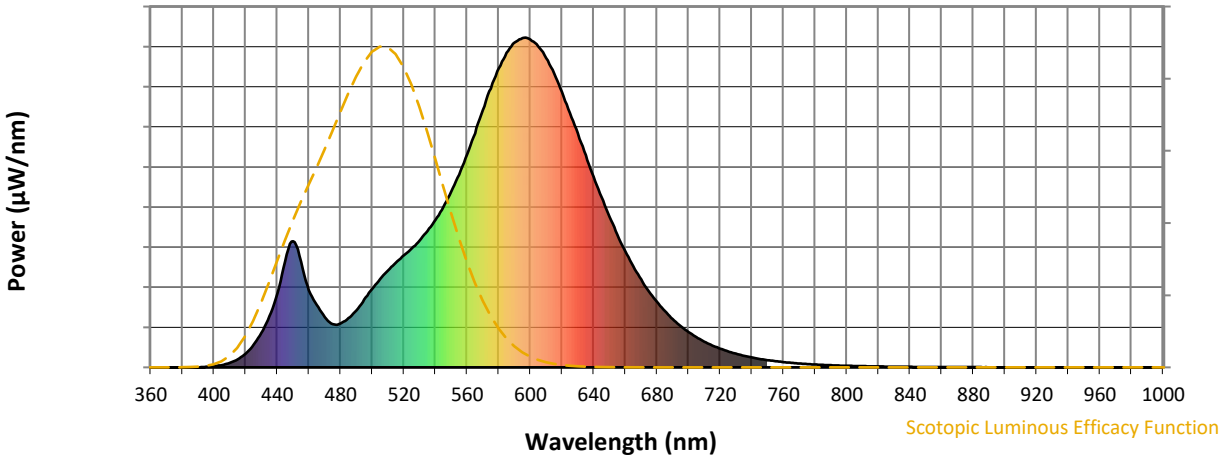
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.17**

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	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

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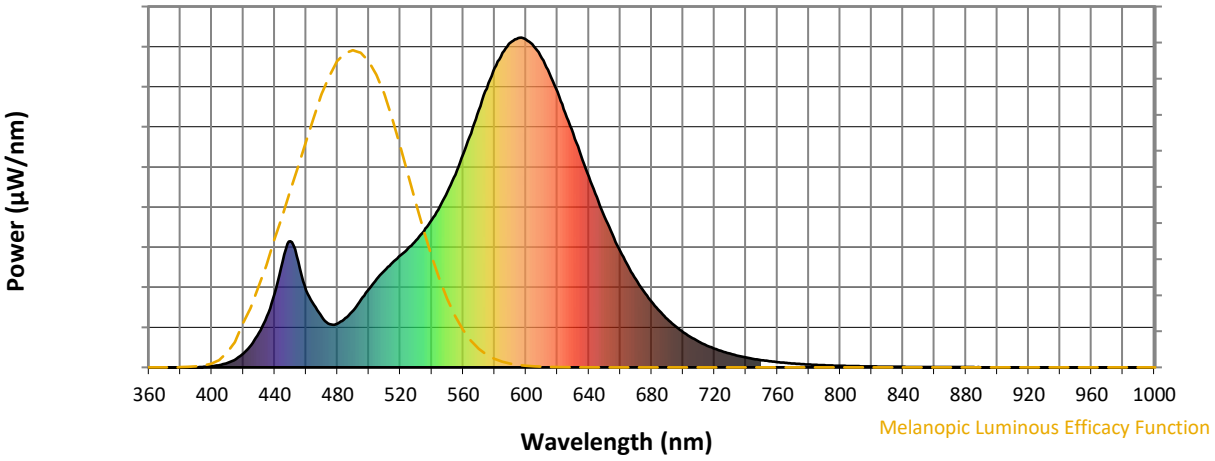
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

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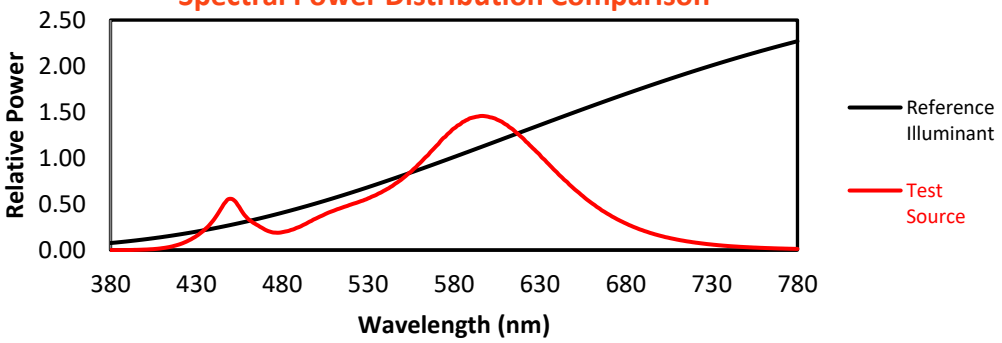
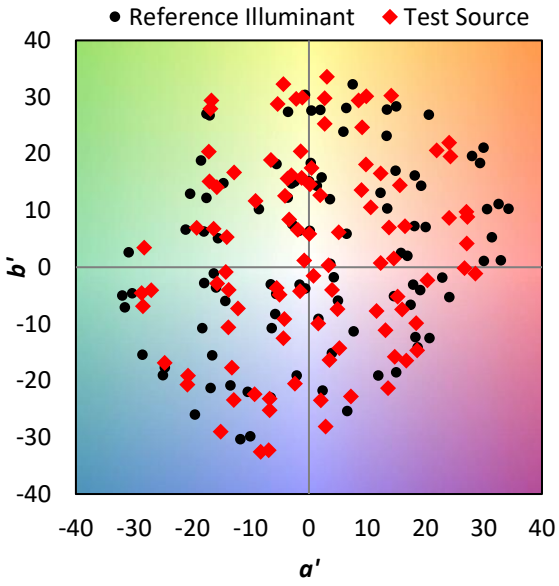
Summary

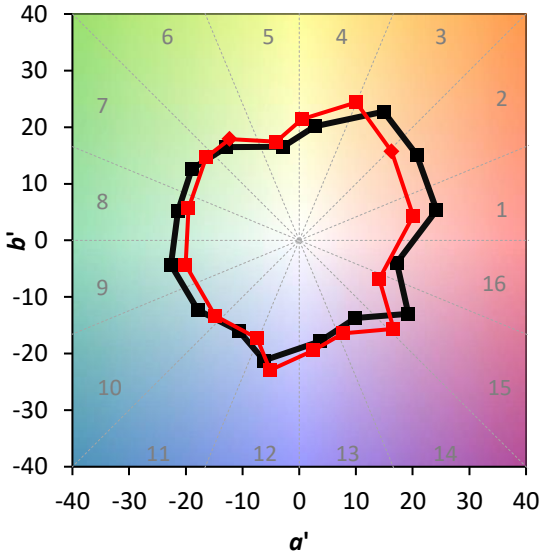
R_f = 77.4
R_g = 92.5
CIE R_a = 72.0
R_9 = -35.8

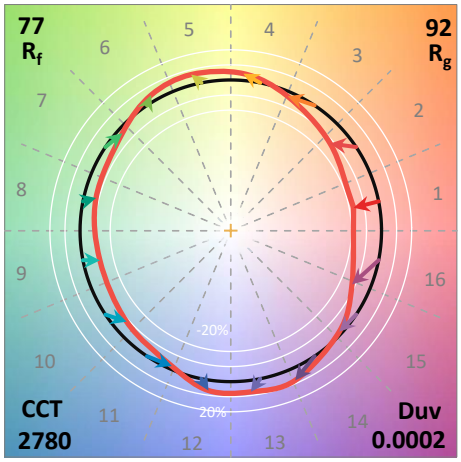
Spectral Power Distribution Comparison

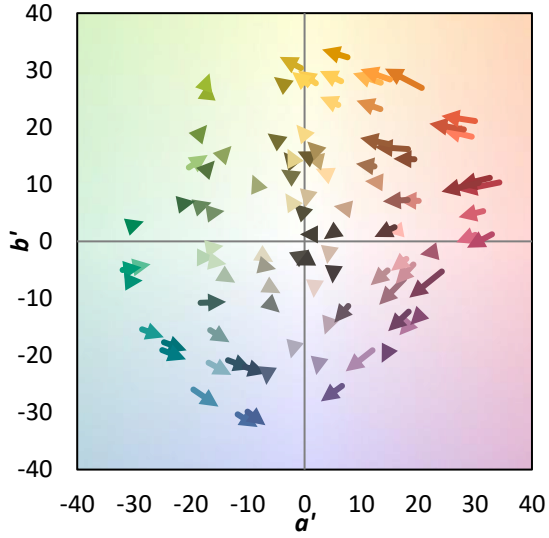


Color Vector Graphics









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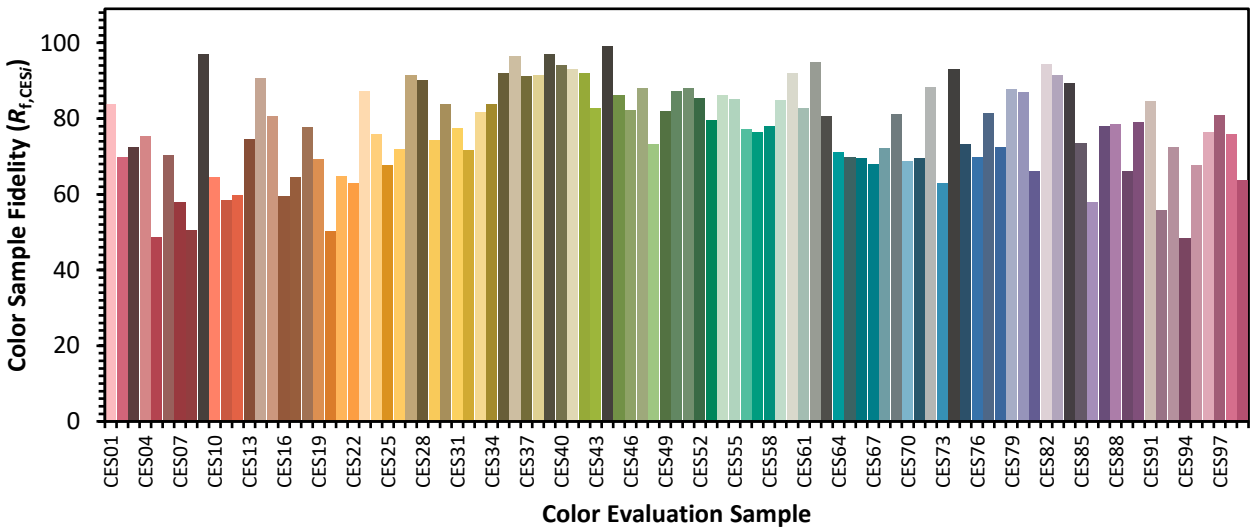
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 85	CES77 = 81
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 74	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 76	CES82 = 95
CES08 = 40	CES33 = 82	CES58 = 78	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 74
CES11 = 60	CES36 = 96	CES61 = 83	CES86 = 58
CES12 = 66	CES37 = 91	CES62 = 95	CES87 = 78
CES13 = 43	CES38 = 92	CES63 = 81	CES88 = 78
CES14 = 74	CES39 = 97	CES64 = 71	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 70	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 70	CES91 = 85
CES17 = 50	CES42 = 92	CES67 = 68	CES92 = 56
CES18 = 57	CES43 = 83	CES68 = 72	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 81	CES94 = 48
CES20 = 67	CES45 = 86	CES70 = 69	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 88	CES97 = 81
CES23 = 92	CES48 = 73	CES73 = 63	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 73	



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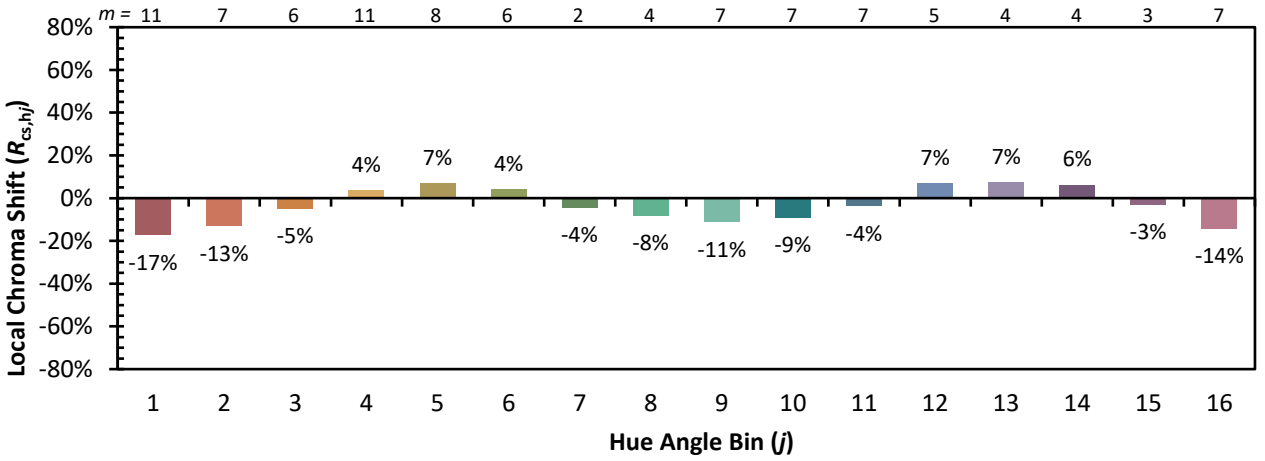
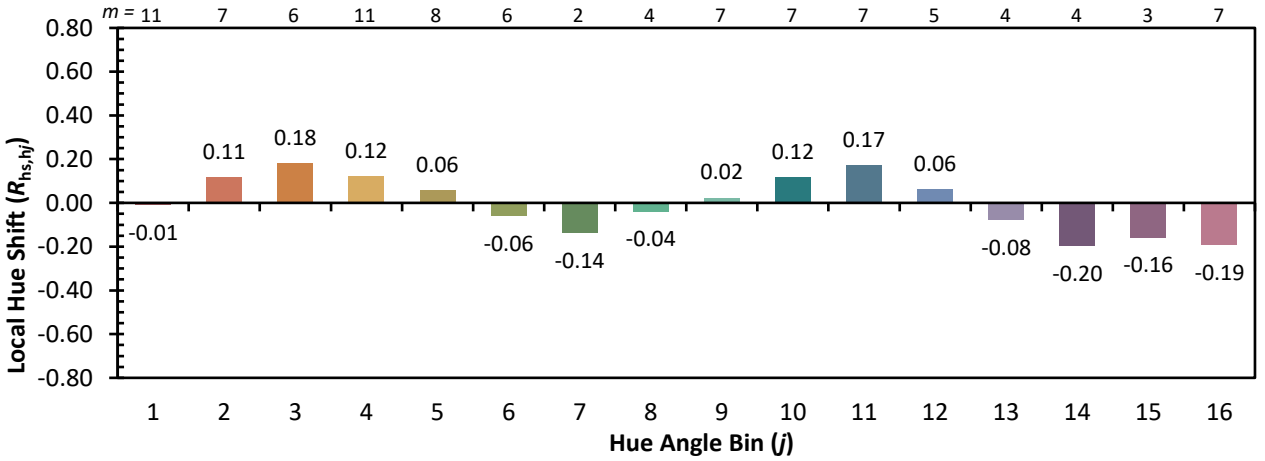
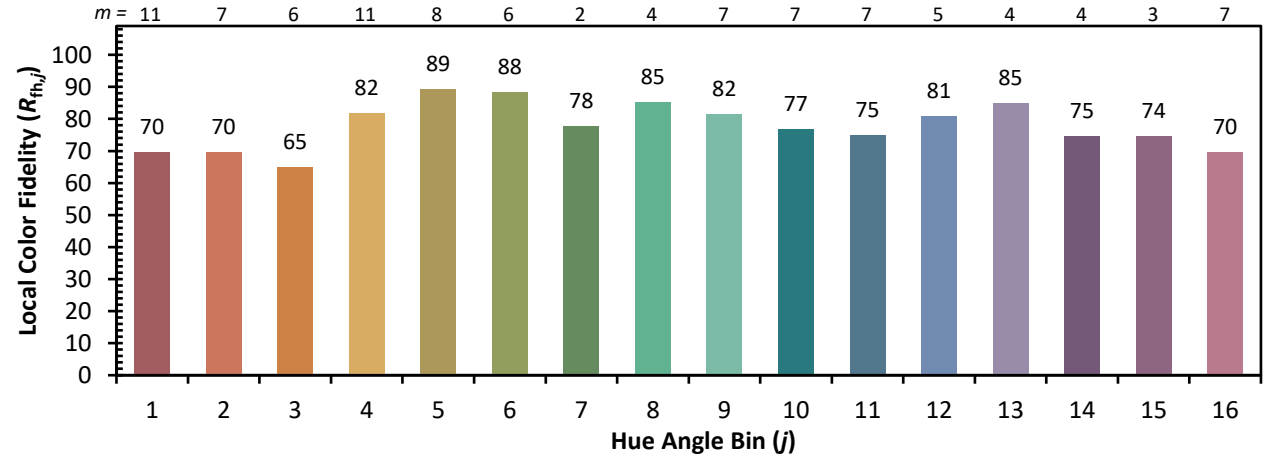
Color Rendition by Hue-Angle Bin







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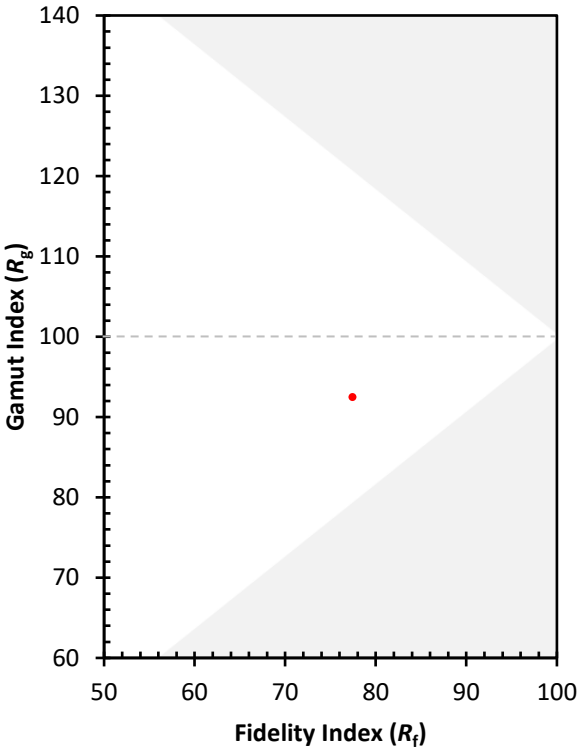
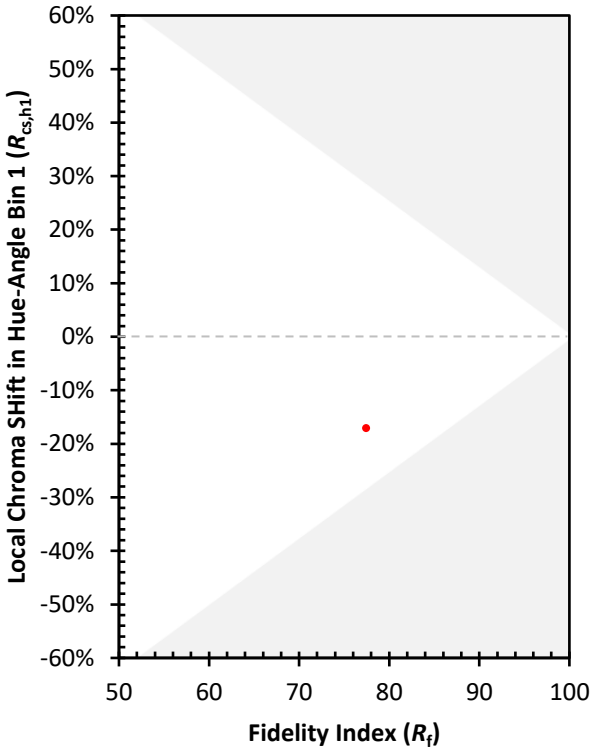
Measure Comparisons





(END OF REPORT)