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: P980947

Luminaire Tested: **NFFLD-C70-7027-66**

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:	P980947
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C70-7027-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 180W 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:	25049.9 lumens
Efficiency:	N/A
Efficacy:	138.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	180.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.80%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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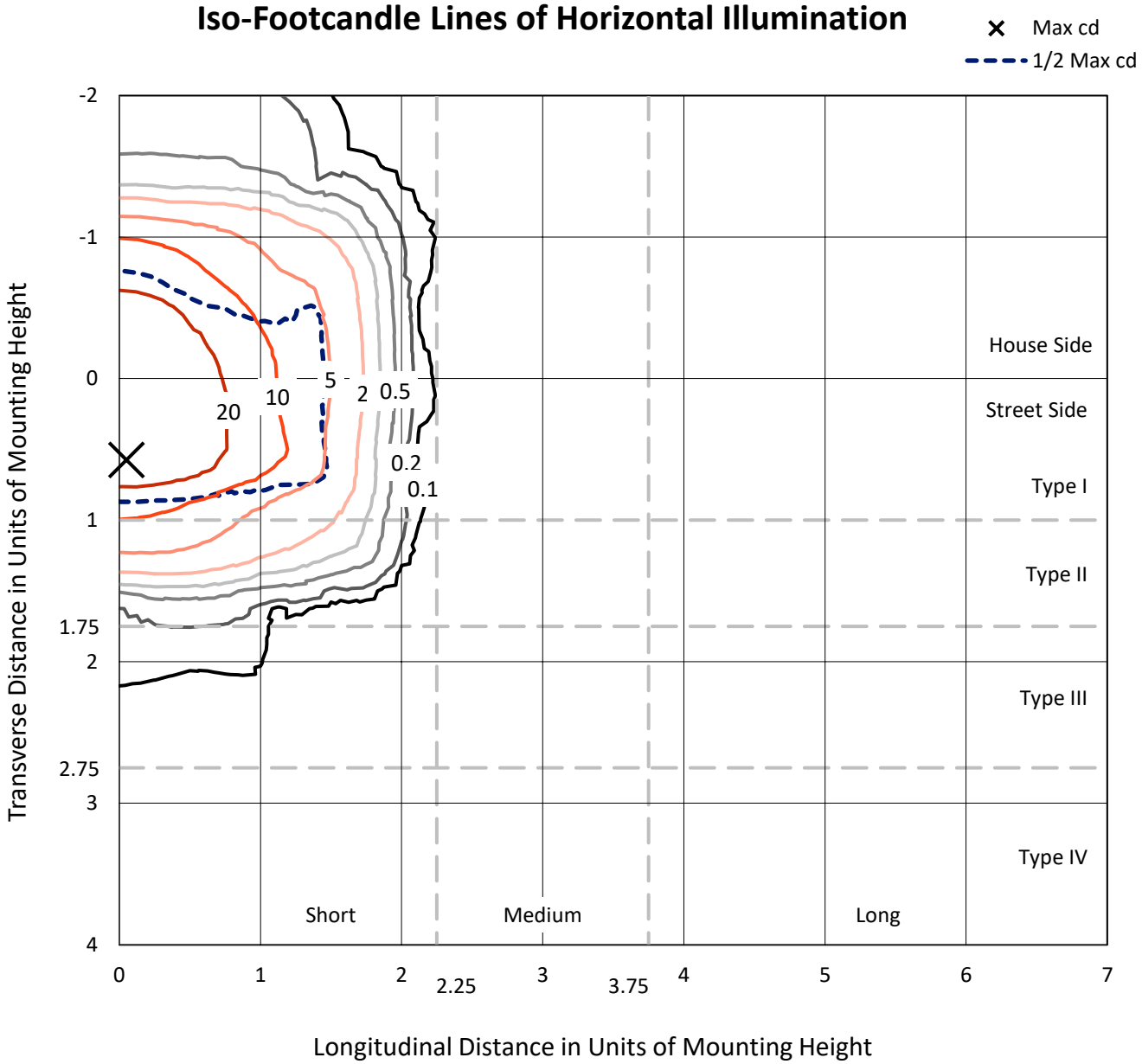
REPORT NUMBER: P980947
CATALOG NUMBER: NFFLD-C70-7027-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 46.6 fc
Type I - Short - N/A

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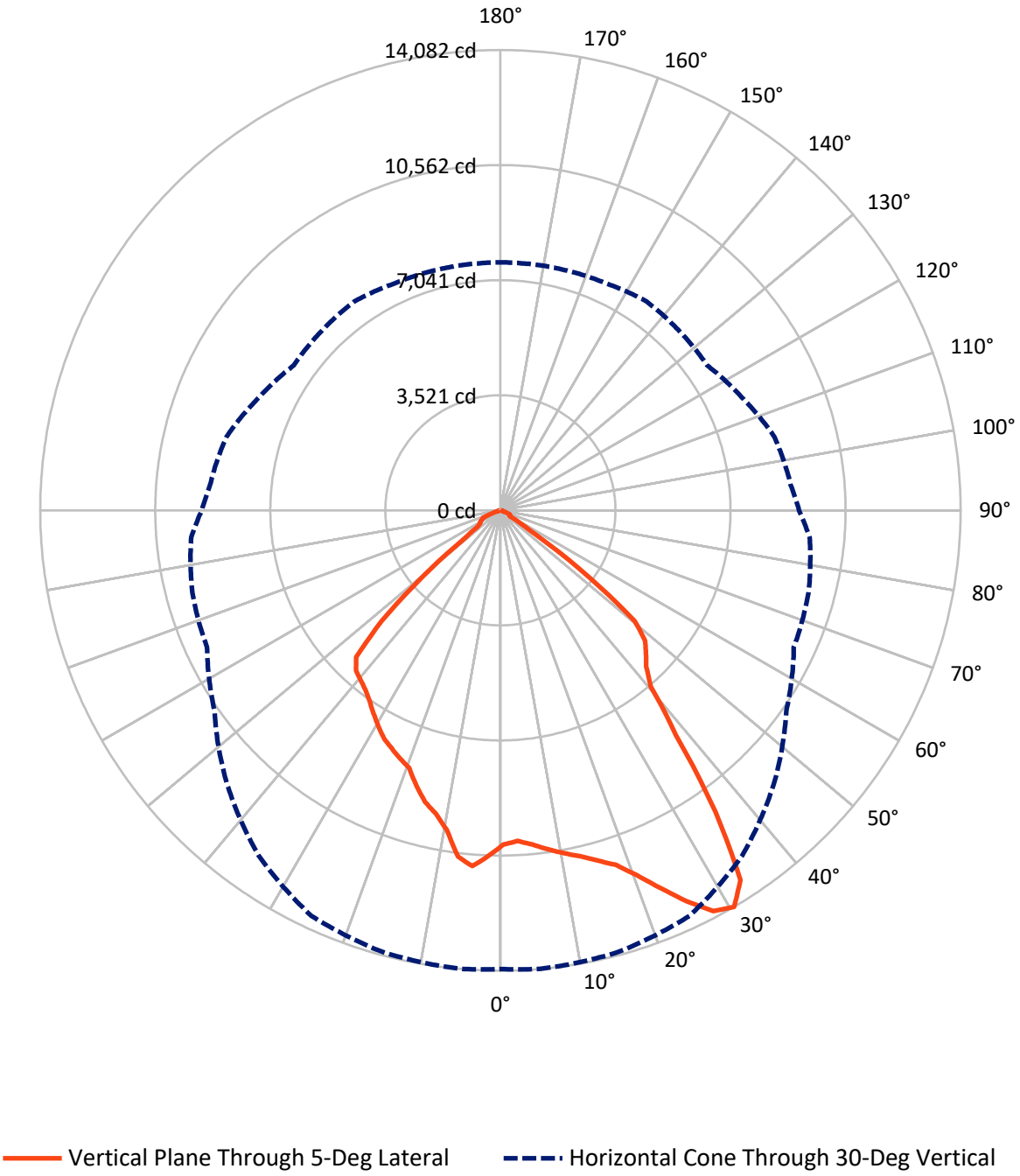
Luminous Intensity Polar Plot



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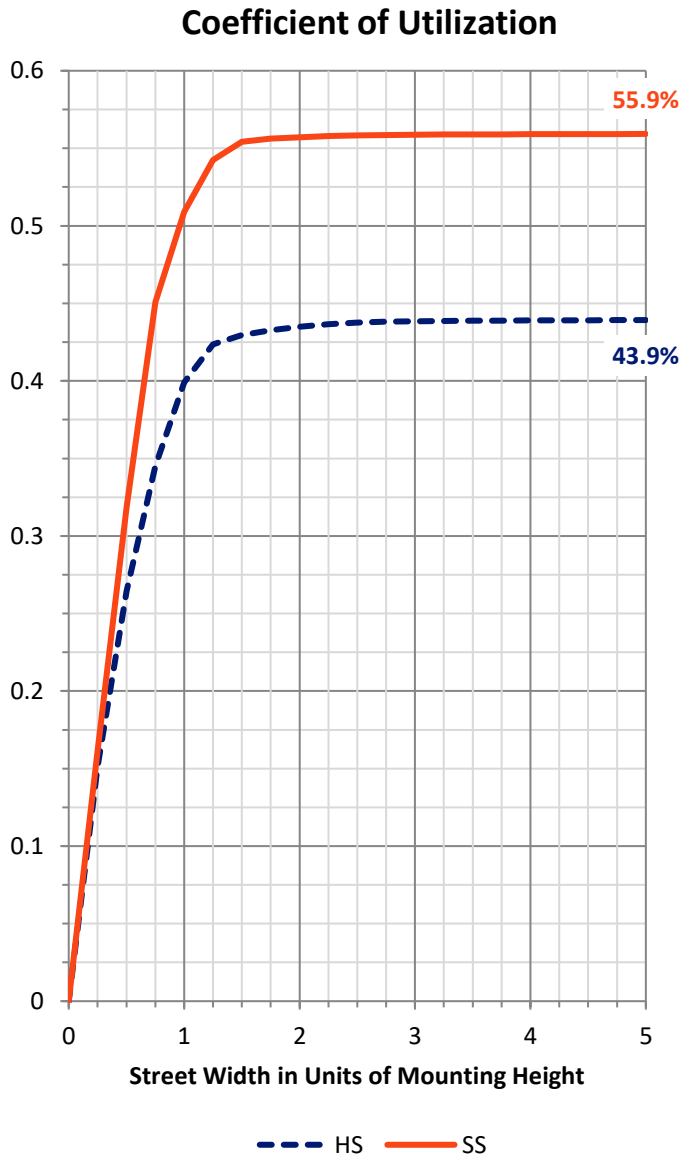
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11079.3	0.0	11079.3
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	13970.6	0.0	13970.6
	% Fixture	55.8	0.0	55.8
Total	Lumens	25049.9	0.0	25049.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1000.2	4.0
10°-20°	2897.4	11.6
20°-30°	4617.3	18.4
30°-40°	5772.4	23.0
40°-50°	5664.6	22.6
50°-60°	4049.9	16.2
60°-70°	896.0	3.6
70°-80°	137.6	0.5
80°-90°	14.6	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°	25049.9	100.0
0°-180°	25049.9	100.0



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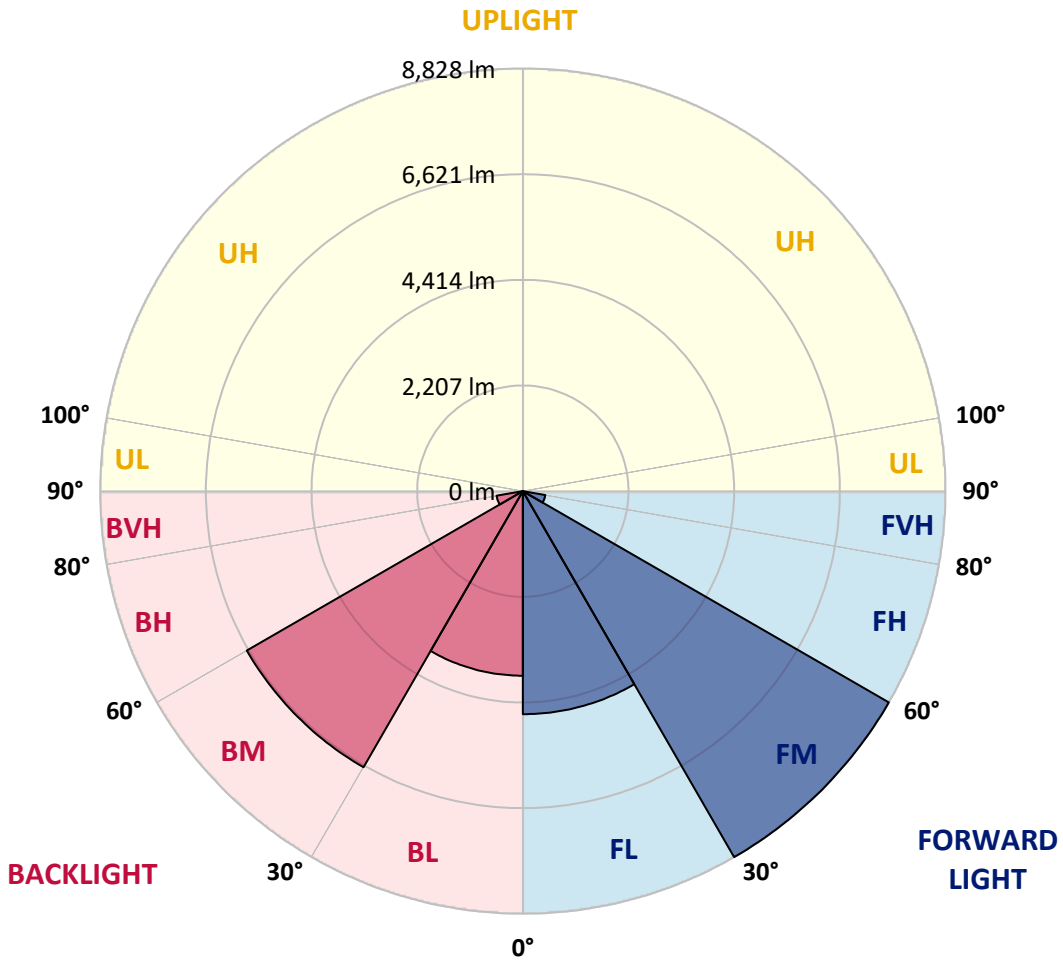
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4659.1	18.6			
FM	(30°-60°)	8827.6	35.2			
FH	(60°-80°)	476.6	1.9			G0/660
FVH	(80°-90°)	7.4	0.0			G0/10
BL	(0°-30°)	3855.8	15.4	B4/5000		
BM	(30°-60°)	6659.2	26.6	B4/8500		
BH	(60°-80°)	557.1	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.2	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-G2
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5
2.5°	10110.1	10126.4	10142.8	10167.3	10200.0	10216.3	10200.0	10183.7	10175.5	10191.8	10200.0
5°	10249.0	10273.6	10281.7	10298.1	10314.4	10298.1	10289.9	10273.6	10265.4	10273.6	10298.1
7.5°	10453.4	10469.7	10461.5	10453.4	10445.2	10388.0	10330.8	10306.2	10306.2	10330.8	10396.2
10°	10633.2	10665.9	10625.0	10592.3	10535.1	10445.2	10347.1	10289.9	10306.2	10355.3	10437.0
12.5°	10862.0	10862.0	10821.2	10788.5	10657.7	10551.4	10420.7	10330.8	10330.8	10420.7	10510.6
15°	11139.9	11115.4	11099.0	11009.1	10853.8	10682.2	10518.7	10388.0	10363.5	10502.4	10559.6
17.5°	11491.3	11401.4	11360.6	11205.3	10992.8	10772.1	10551.4	10445.2	10371.6	10518.7	10453.4
20°	11973.6	11908.2	11777.4	11532.2	11099.0	10813.0	10551.4	10412.5	10355.3	10437.0	10371.6
22.5°	12594.7	12553.8	12259.6	11949.0	11376.9	10845.7	10510.6	10322.6	10306.2	10265.4	10126.4
25°	13354.8	13248.6	12946.2	12504.8	11793.7	11164.4	10502.4	10159.1	10101.9	9995.7	9750.5
27.5°	14000.5	13886.1	13518.3	13126.0	12365.9	11638.5	10567.8	9963.0	9897.6	9824.0	9521.6
30°	14033.2	14082.2	13984.1	13689.9	12897.1	11834.6	10682.2	9905.8	9758.7	9497.1	9137.5
32.5°	13371.2	13485.6	13722.6	13828.8	13297.6	12071.6	10780.3	9930.3	9660.6	9031.2	8737.0
35°	11107.2	11336.1	12308.7	13224.0	13412.0	12414.9	10862.0	9930.3	9627.9	8696.2	8467.3
37.5°	8532.7	8720.7	9546.2	11205.3	12905.3	12627.4	11041.8	9873.1	9587.0	8720.7	8410.1
40°	6971.6	7077.9	7437.5	8565.4	11123.6	12276.0	11221.6	9938.5	9464.4	8737.0	8442.8
42.5°	6546.6	6538.5	6464.9	6881.7	8483.7	11246.2	11344.2	10101.9	9260.1	8630.8	8385.6
45°	6260.6	6244.2	6178.8	6260.6	6710.1	9202.9	11254.3	10396.2	9006.7	8254.8	8091.3
47.5°	5950.0	5958.2	5933.7	5966.3	5884.6	6988.0	10747.6	10518.7	8573.6	7625.5	7568.3
50°	5206.2	5328.8	5655.8	5688.5	5476.0	5639.4	9202.9	10461.5	8263.0	7445.7	7396.6
52.5°	3236.5	3432.7	4397.1	5214.4	5091.8	5091.8	7020.7	10543.3	7707.2	7380.3	7413.0
55°	1144.2	1291.3	2353.8	3588.0	4560.6	4650.5	5549.5	9382.7	7641.8	7494.7	7527.4
57.5°	286.1	351.4	719.2	1552.9	3073.1	4217.3	4961.1	7748.1	5802.9	5598.6	5680.3
60°	335.1	326.9	449.5	498.6	1193.3	3334.6	4470.7	5230.8	3743.3	3506.2	3547.1
62.5°	359.6	335.1	351.4	441.3	196.2	1634.6	3563.5	3113.9	1544.7	1144.2	1209.6
65°	318.7	302.4	277.9	408.7	138.9	302.4	2100.5	915.4	220.7	351.4	318.7
67.5°	212.5	220.7	228.8	326.9	130.8	130.8	277.9	228.8	155.3	318.7	277.9
70°	122.6	130.8	155.3	196.2	130.8	106.2	122.6	188.0	130.8	318.7	277.9
72.5°	73.6	73.6	73.6	81.7	130.8	89.9	81.7	155.3	114.4	294.2	277.9
75°	57.2	57.2	57.2	49.0	114.4	57.2	57.2	122.6	98.1	212.5	212.5
77.5°	49.0	49.0	49.0	40.9	65.4	49.0	49.0	89.9	89.9	106.2	122.6
80°	32.7	32.7	32.7	32.7	40.9	40.9	32.7	49.0	40.9	49.0	57.2
82.5°	16.3	24.5	24.5	16.3	24.5	24.5	24.5	32.7	24.5	32.7	32.7
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	16.3	8.2	8.2	16.3
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: P980947
CATALOG NUMBER: NFFLD-C70-7027-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5	10224.5
2.5°	10216.3	10257.2	10314.4	10404.3	10437.0	10494.2	10543.3	10584.1	10584.1	10567.8
5°	10347.1	10461.5	10616.8	10755.8	10804.8	10862.0	10886.5	10927.4	10919.2	10911.1
7.5°	10461.5	10641.3	10804.8	10902.9	10886.5	10813.0	10763.9	10698.6	10674.0	10690.4
10°	10551.4	10714.9	10788.5	10723.1	10526.9	10355.3	10134.6	9987.5	9913.9	9938.5
12.5°	10584.1	10641.3	10576.0	10216.3	9971.2	9807.7	9627.9	9529.8	9488.9	9497.1
15°	10592.3	10461.5	10101.9	9832.2	9652.4	9448.1	9301.0	9211.1	9211.1	9219.2
17.5°	10420.7	10101.9	9791.3	9587.0	9333.7	9121.2	9039.4	9006.7	8802.4	8835.1
20°	10265.4	9807.7	9636.1	9317.3	9014.9	8876.0	8401.9	8352.9	8361.1	8369.2
22.5°	9938.5	9595.2	9439.9	9023.1	8679.8	8295.7	8230.3	8181.2	8189.4	8189.4
25°	9488.9	9292.8	9080.3	8647.1	8230.3	8156.7	8107.7	8042.3	8009.6	8017.8
27.5°	9235.6	8990.4	8598.1	8230.3	7960.6	7993.3	7936.1	7838.0	7838.0	7846.2
30°	*8916.8*	*8679.8*	*8156.7*	*7723.6*	*7748.1*	*7797.1*	*7658.2*	*7609.1*	*7584.6*	*7584.6*
32.5°	8524.5	8197.6	7739.9	7331.2	7478.4	7462.0	7290.4	7306.7	7323.1	7306.7
35°	8230.3	7805.3	7421.2	7200.5	7143.3	7077.9	6988.0	7045.2	7069.7	7053.4
37.5°	8156.7	7650.0	7249.5	7094.2	6873.6	6751.0	6775.5	6832.7	6865.4	6857.2
40°	8132.2	7494.7	7102.4	6938.9	6644.7	6538.5	6571.2	6685.6	6726.4	6718.3
42.5°	8099.5	7388.5	7012.5	6816.3	6407.7	6334.1	6489.4	6595.7	6603.8	6595.7
45°	7927.9	7274.0	6955.3	6563.0	6048.1	6138.0	6334.1	6391.3	6293.3	6252.4
47.5°	7527.4	7061.5	6783.7	6252.4	5753.8	5925.5	5950.0	5328.8	4969.2	4887.5
50°	7413.0	7069.7	6587.5	5884.6	5574.0	5745.7	4675.0	3571.6	3122.1	3032.2
52.5°	7380.3	6988.0	6661.1	5500.5	5508.7	4846.6	2950.5	1749.0	1405.8	1340.4
55°	7462.0	7347.6	6783.7	5271.6	5124.5	3154.8	1373.1	825.5	850.0	825.5
57.5°	5631.2	6146.2	6930.8	4912.0	3743.3	1520.2	866.3	801.0	743.7	727.4
60°	3514.4	4004.8	5075.5	4225.5	1920.7	907.2	882.7	743.7	719.2	711.1
62.5°	1160.6	1781.7	2909.6	2778.8	531.2	899.0	890.9	662.0	662.0	662.0
65°	294.2	302.4	801.0	956.2	392.3	801.0	850.0	621.2	604.8	629.3
67.5°	253.4	228.8	425.0	376.0	326.9	555.8	743.7	596.6	563.9	563.9
70°	253.4	269.7	416.8	351.4	204.3	302.4	539.4	367.8	326.9	302.4
72.5°	237.0	261.5	367.8	318.7	138.9	147.1	237.0	122.6	114.4	98.1
75°	204.3	212.5	286.1	286.1	147.1	73.6	98.1	81.7	81.7	73.6
77.5°	138.9	106.2	163.5	204.3	106.2	49.0	40.9	40.9	40.9	32.7
80°	73.6	40.9	40.9	32.7	40.9	40.9	24.5	32.7	32.7	24.5
82.5°	40.9	24.5	24.5	16.3	16.3	24.5	16.3	16.3	16.3	16.3
85°	16.3	16.3	8.2	8.2	8.2	16.3	8.2	8.2	8.2	8.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2
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

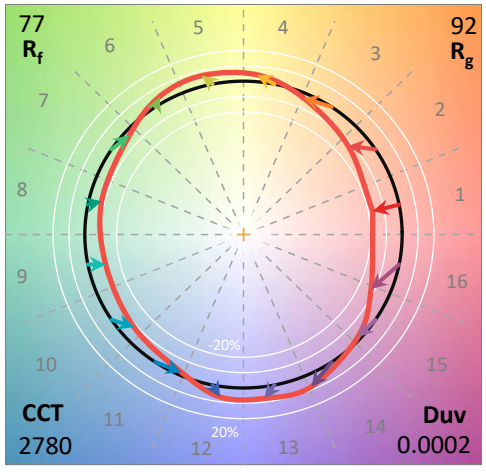
Test Information

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

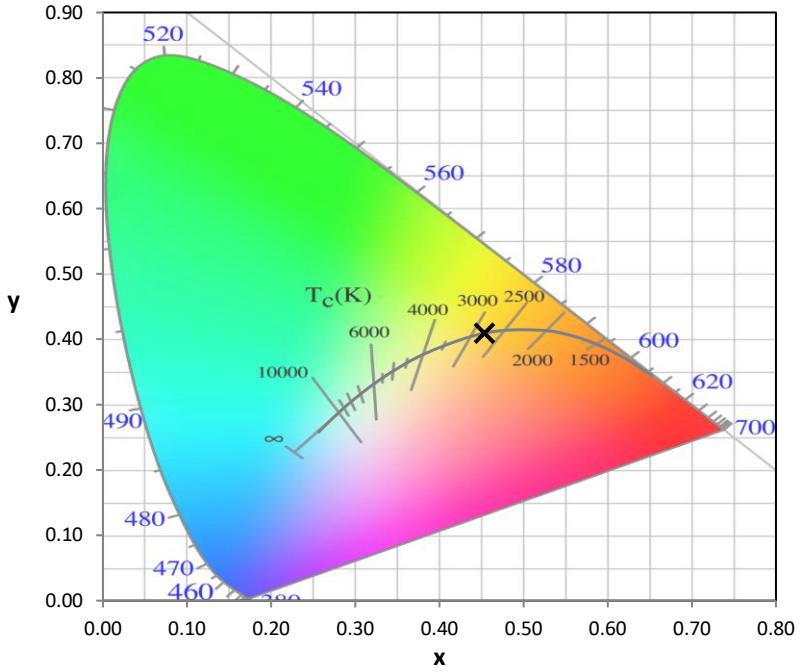
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-9

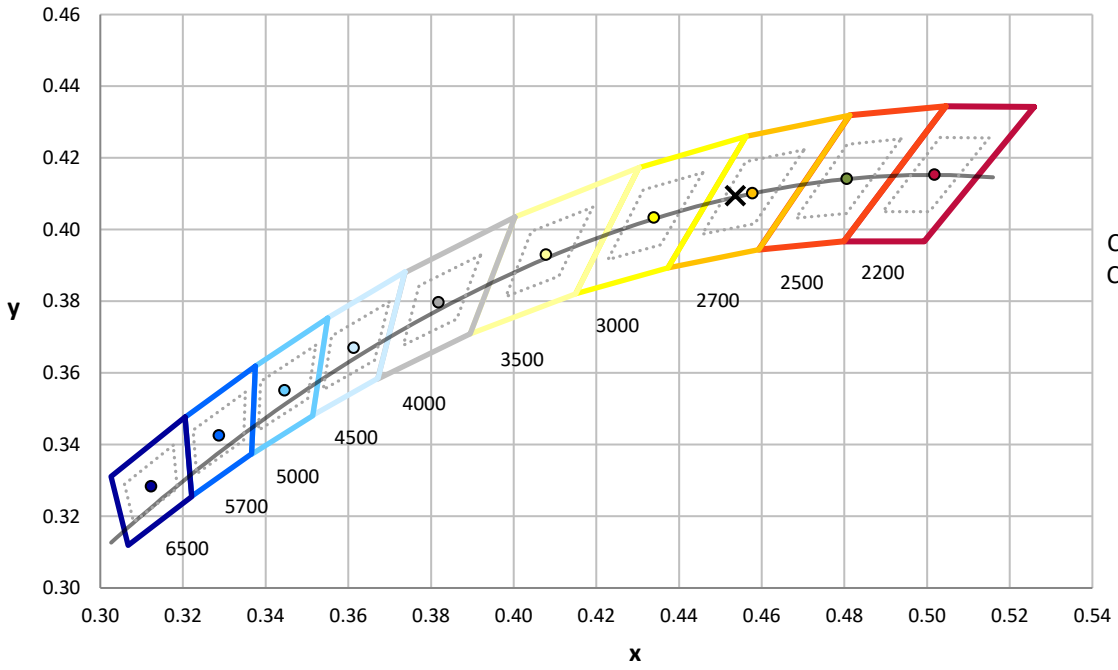
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

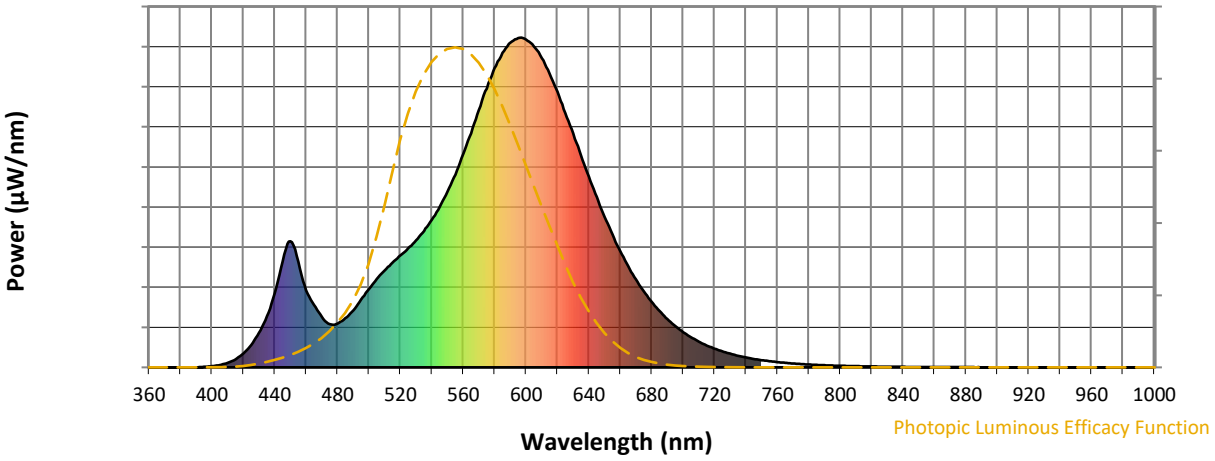


CCT = 2780K
CIE x = 0.4536
CIE y = 0.4095
Duv = 0.0002

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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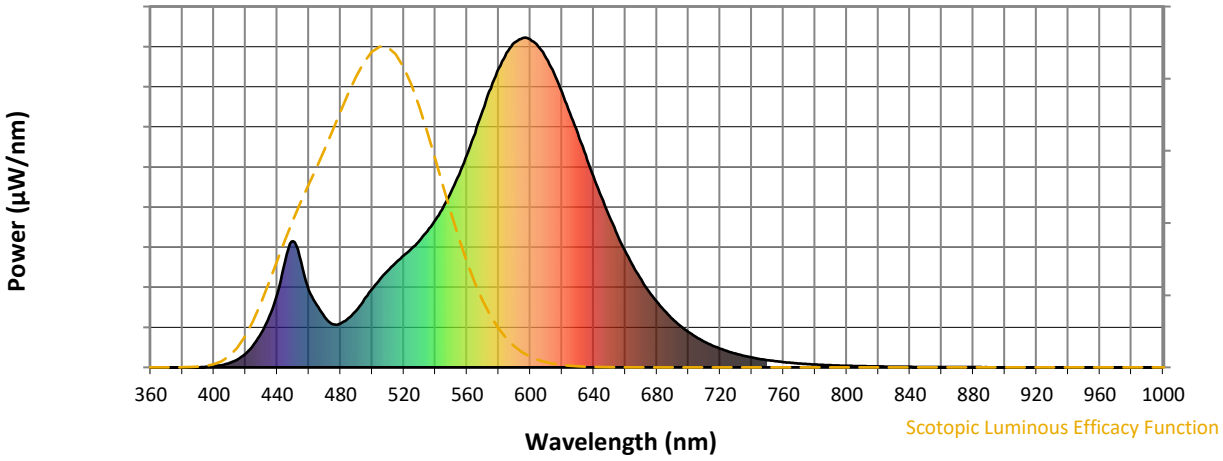
Scotopic Flux vs. Wavelength



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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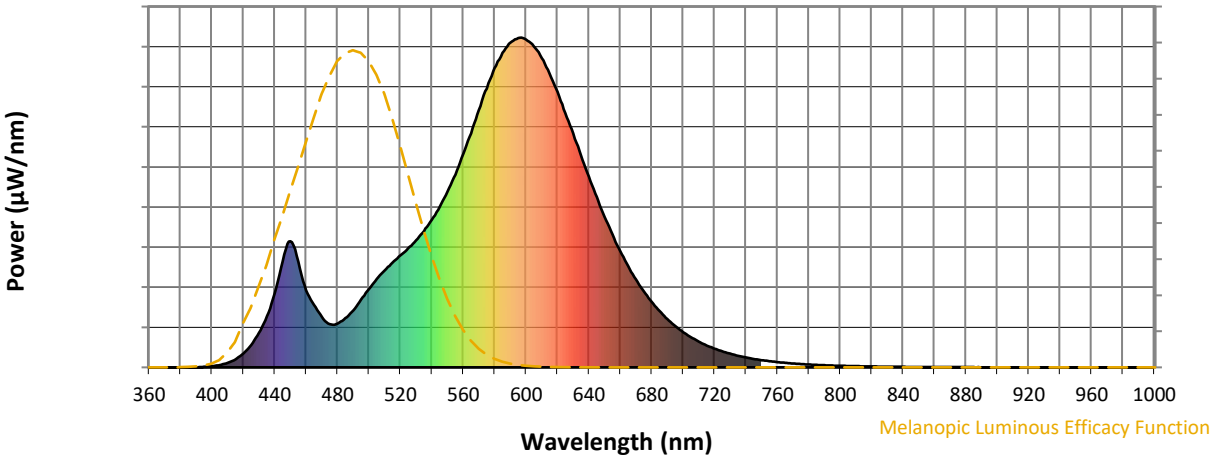
Melanopic Flux vs. Wavelength



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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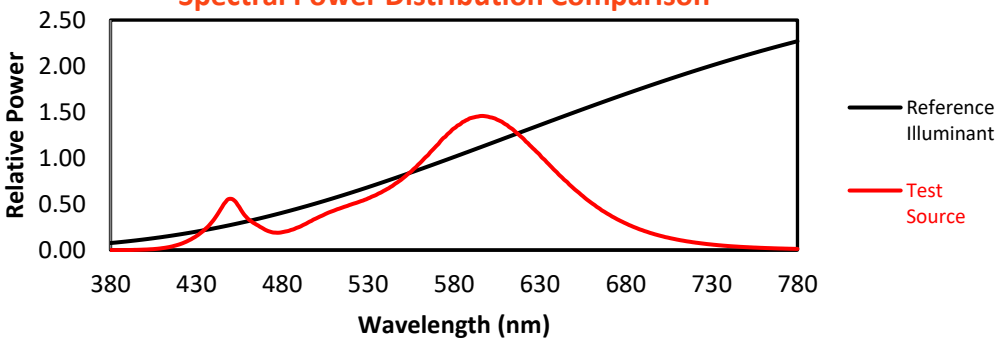
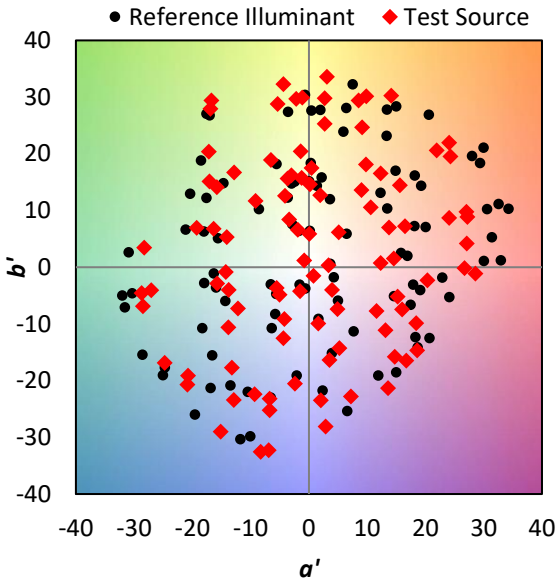
Summary

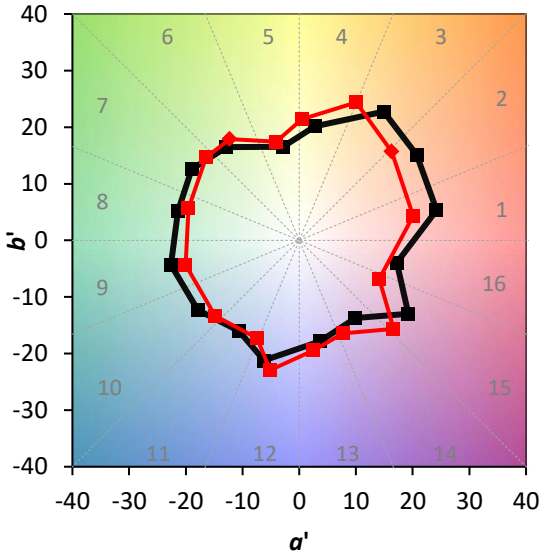
R_f = 77.4
R_g = 92.5
CIE R_a = 72.0
R_9 = -35.8

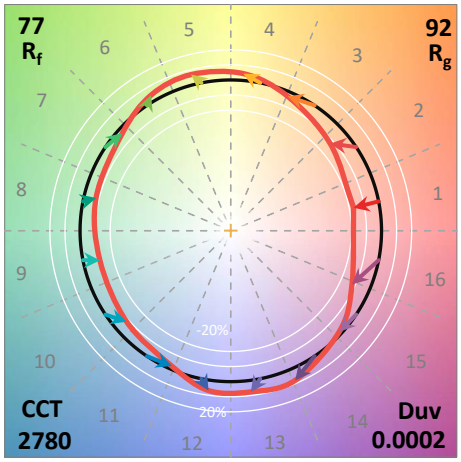
Spectral Power Distribution Comparison

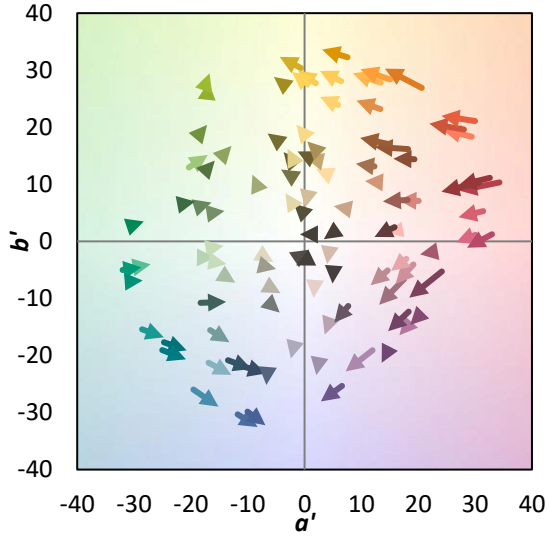


Color Vector Graphics









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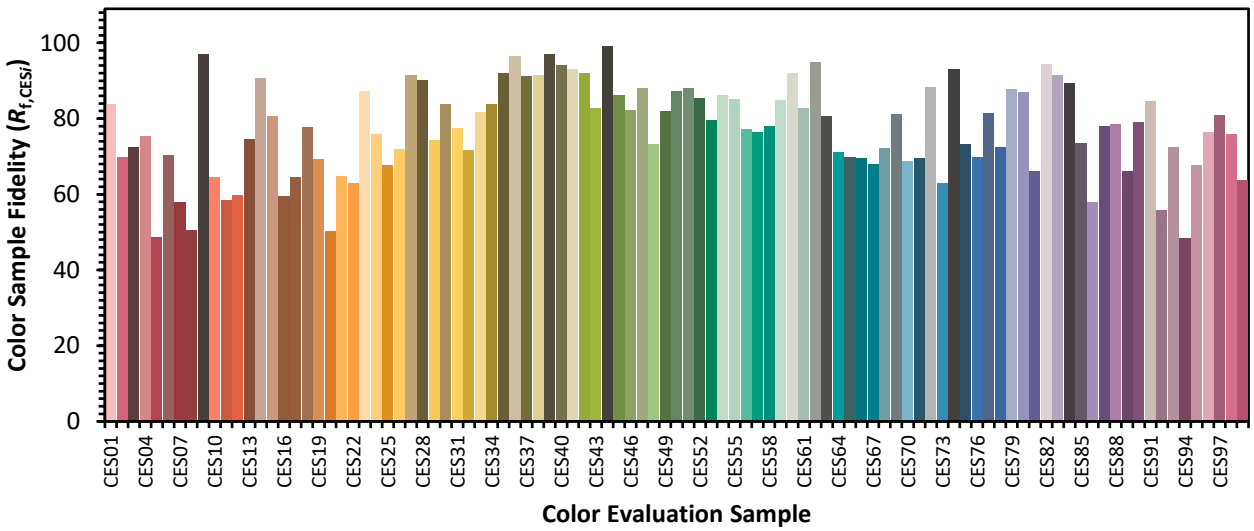
Individual Sample Fidelity Index ($R_{f,i}$)

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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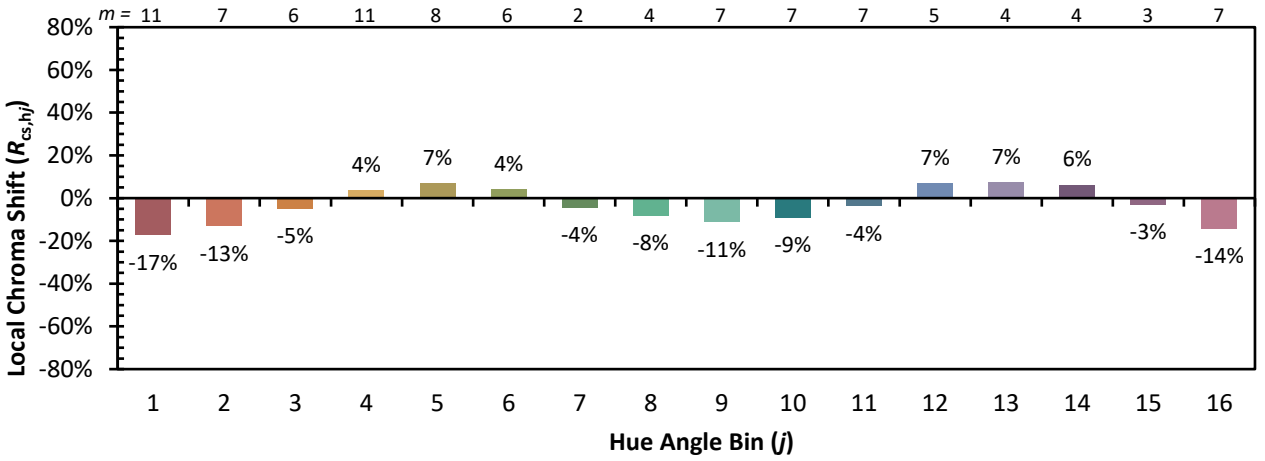
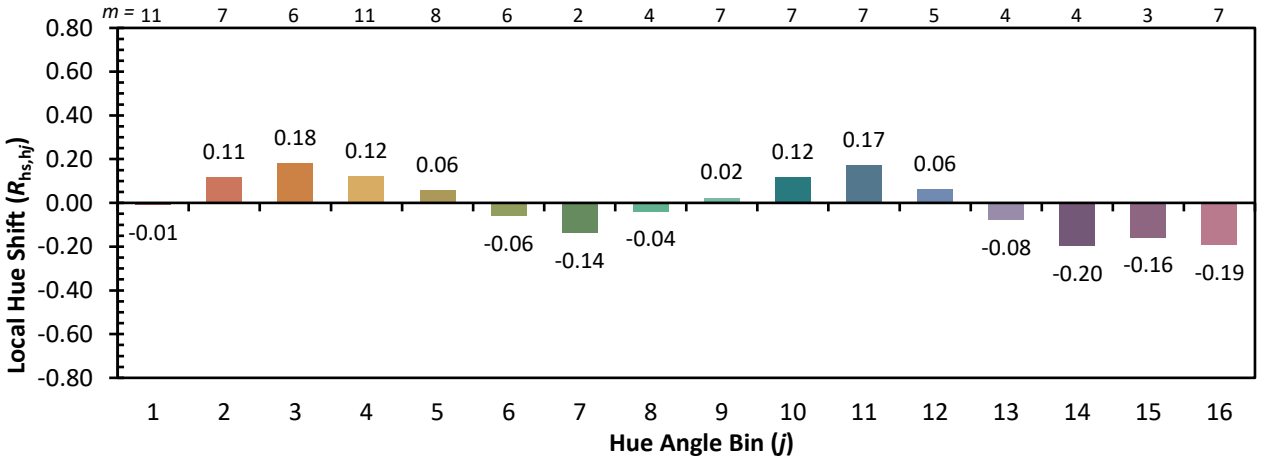
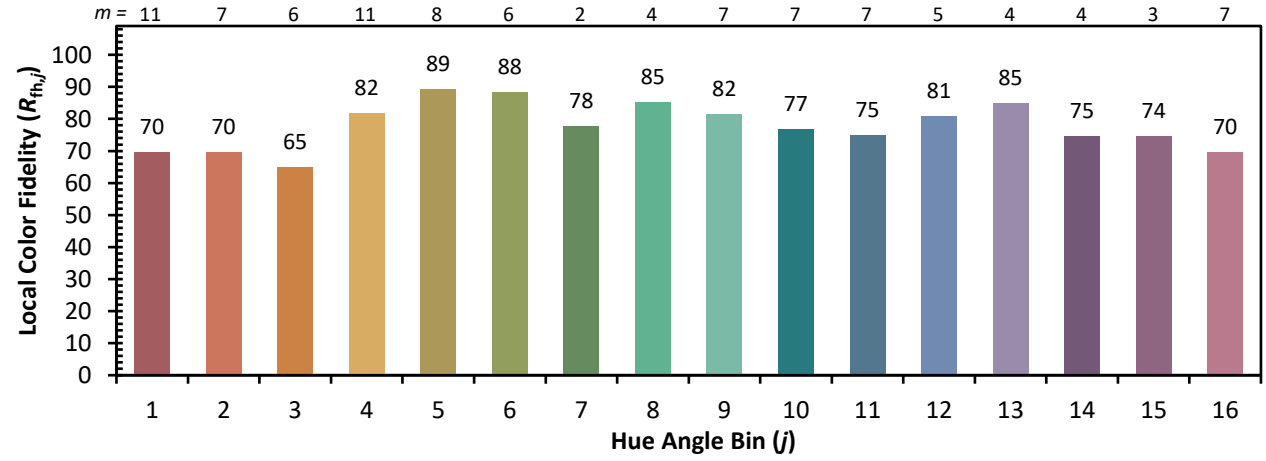
Color Rendition by Hue-Angle Bin







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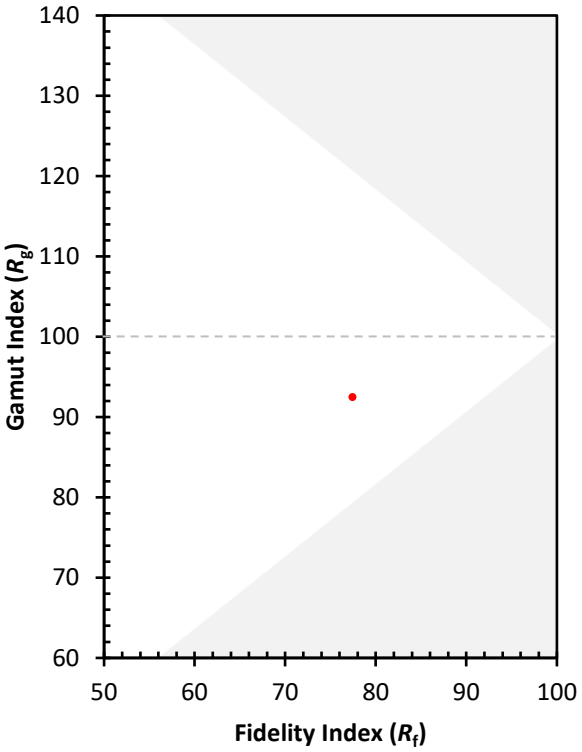
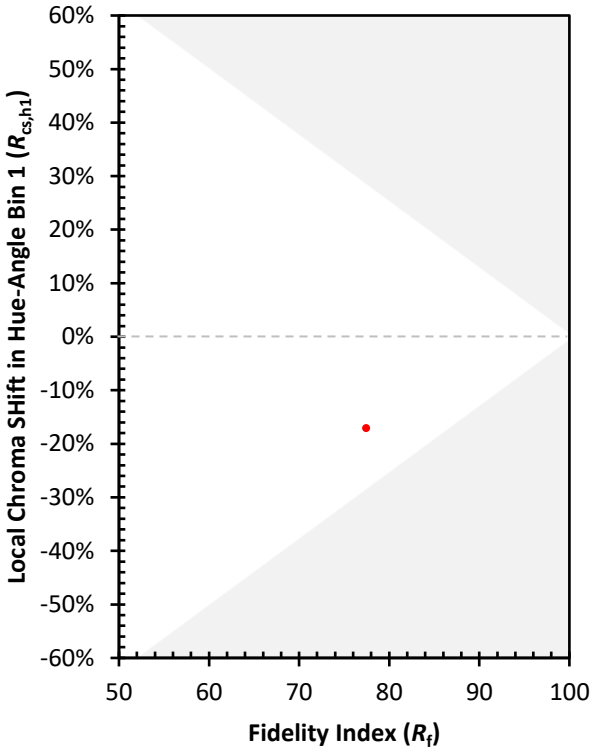
Measure Comparisons





(END OF REPORT)