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: P980941

Luminaire Tested: **NFFLD-L-C175-7022-66**

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:	P980941
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C175-7022-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 370W 70CRI 2200K LED FIXTURE NEMA 6
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	46641.7 lumens
Efficiency:	N/A
Efficacy:	125.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B5 - U0 - G3

Input Watts (W):	372.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.62%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P980941
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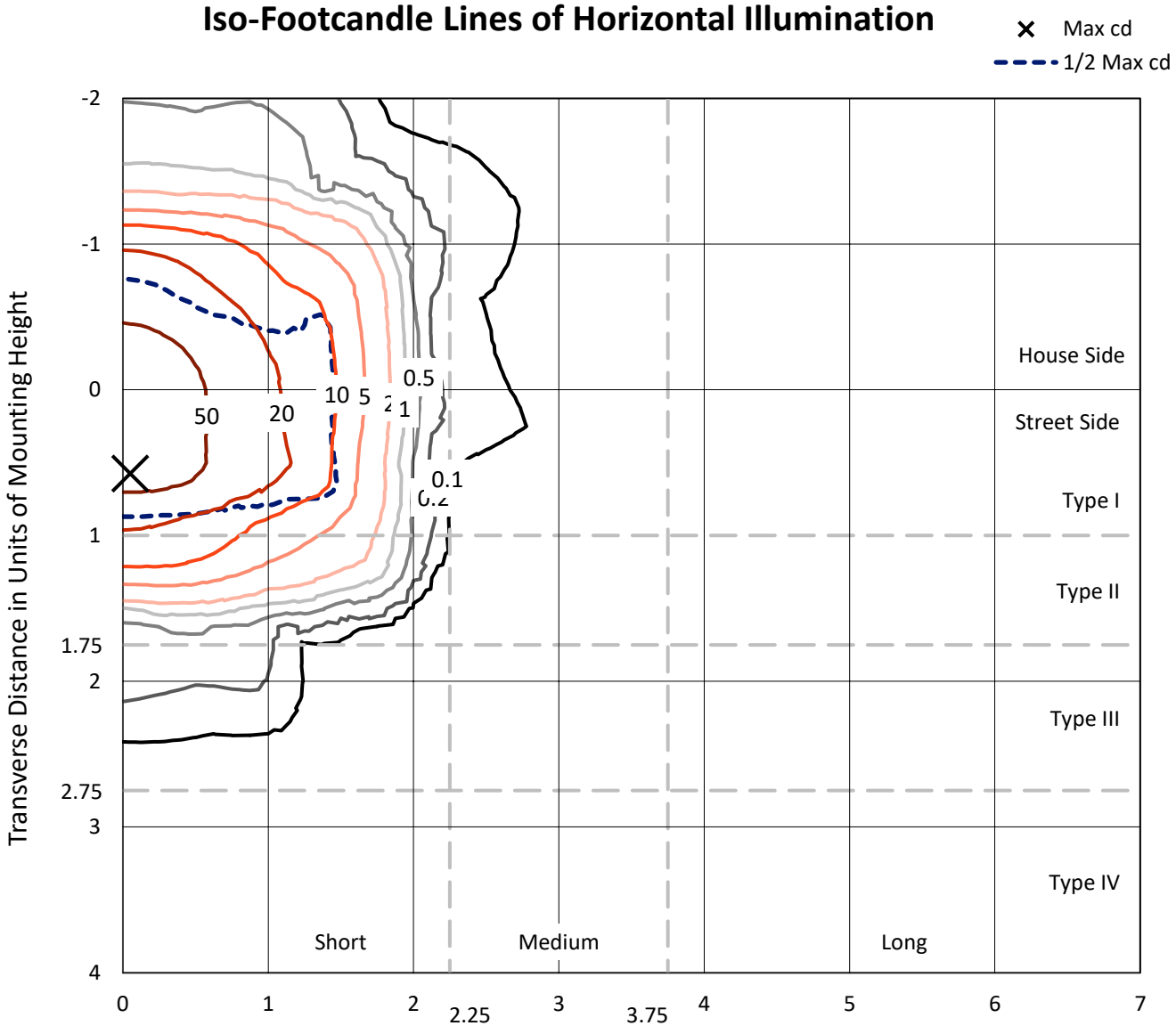
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 86.7 fc
Type I - Short - N/A

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REPORT NUMBER: P980941
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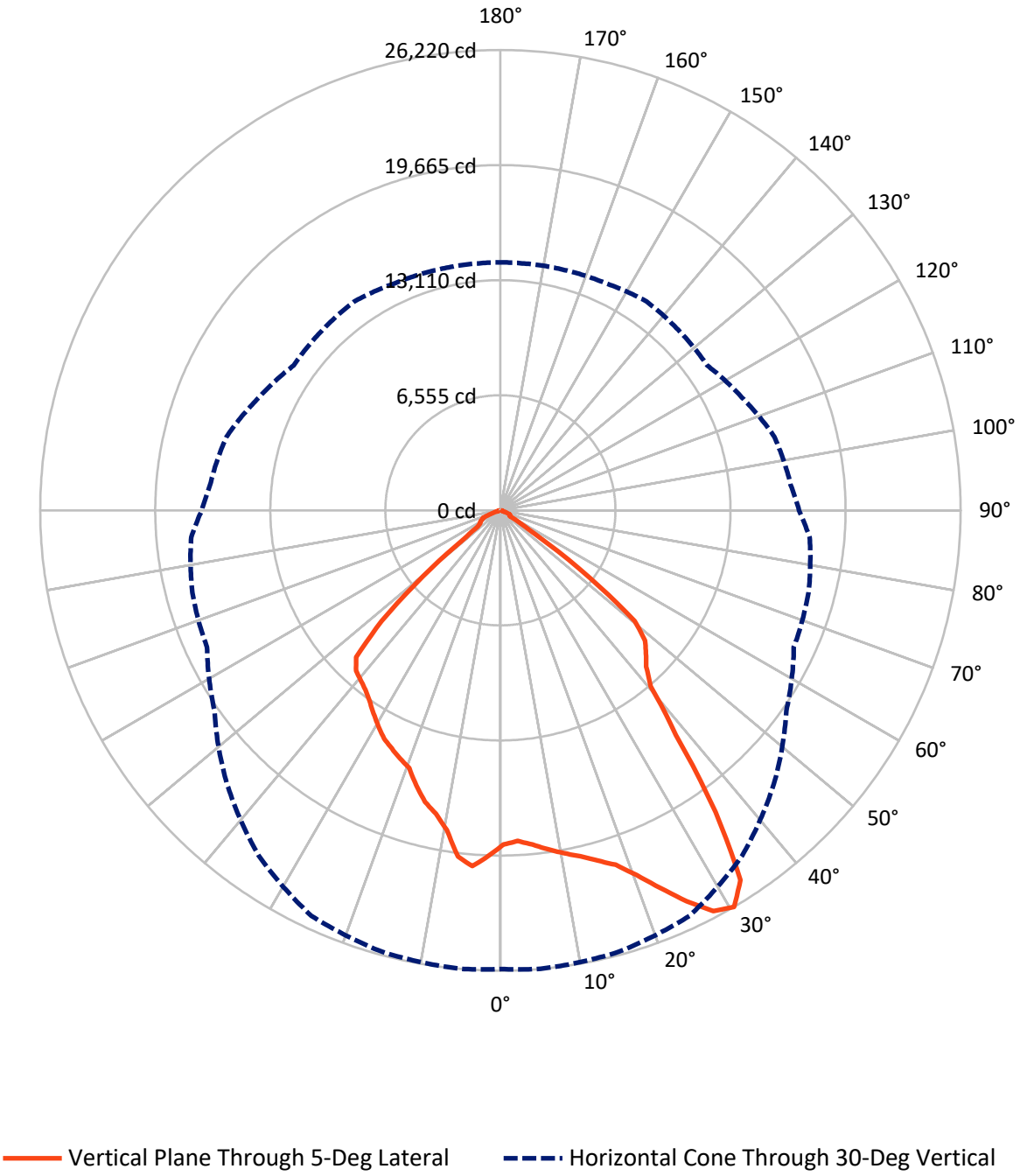
Luminous Intensity Polar Plot



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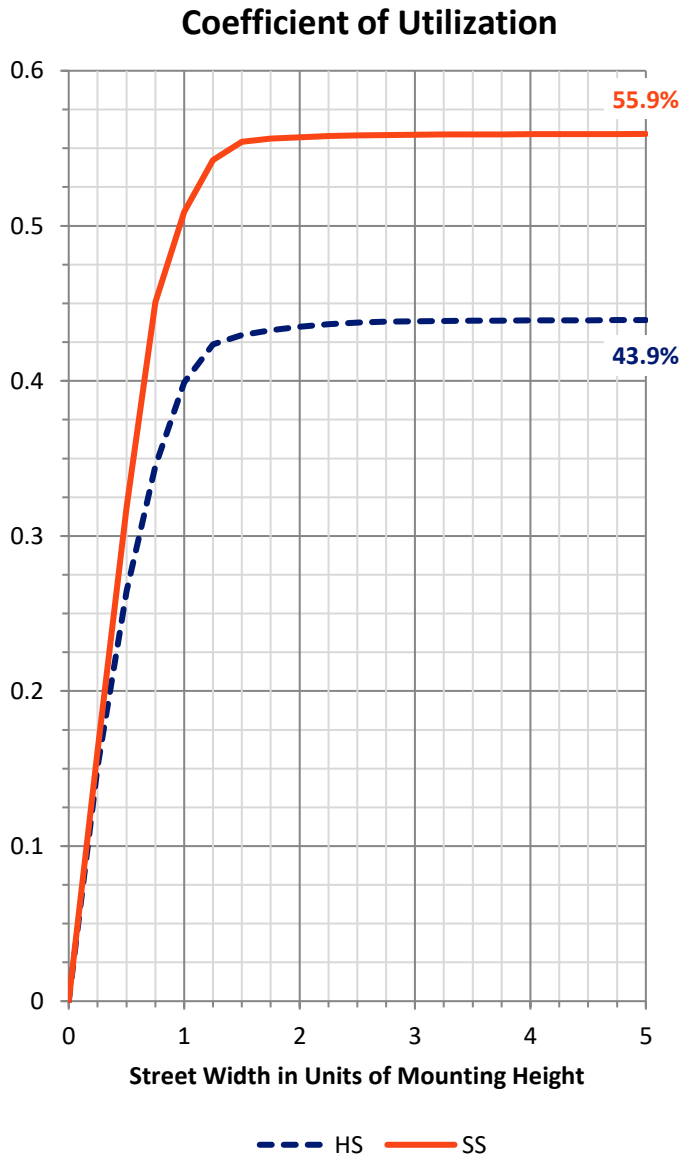
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20629.1	0.0	20629.1
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	26012.5	0.0	26012.5
	% Fixture	55.8	0.0	55.8
Total	Lumens	46641.7	0.0	46641.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1862.3	4.0
10°-20°	5394.8	11.6
20°-30°	8597.1	18.4
30°-40°	10747.8	23.0
40°-50°	10547.2	22.6
50°-60°	7540.6	16.2
60°-70°	1668.4	3.6
70°-80°	256.3	0.5
80°-90°	27.1	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°	46641.7	100.0
0°-180°	46641.7	100.0



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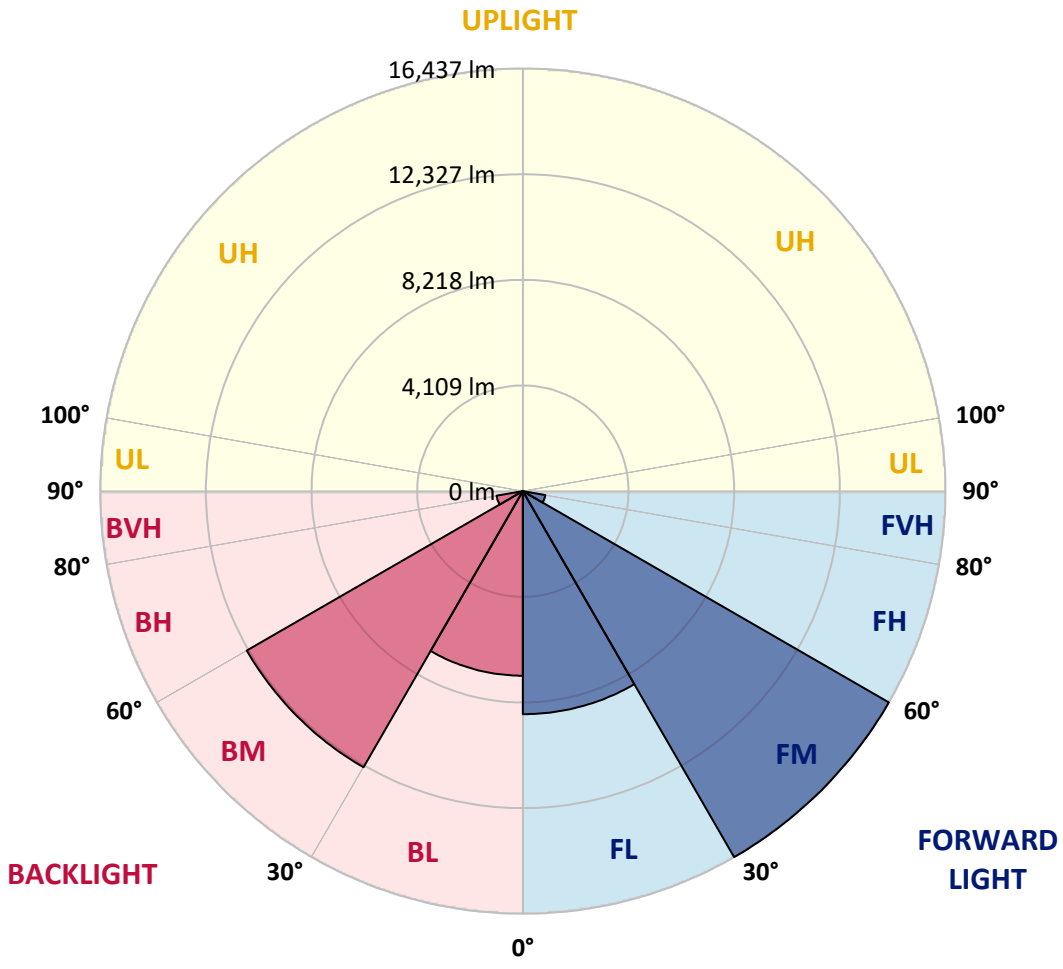
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	8674.9	18.6			
FM	(30°-60°)	16436.5	35.2			
FH	(60°-80°)	887.4	1.9			G1/1800
FVH	(80°-90°)	13.7	0.0			G1/100
BL	(0°-30°)	7179.3	15.4	B5		
BM	(30°-60°)	12399.1	26.6	B5		
BH	(60°-80°)	1037.3	2.2	B3/2500		G3/2500
BVH	(80°-90°)	13.4	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
Type I Short



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Scaled Data Report

REPORT NUMBER: P980941
CATALOG NUMBER: NFFLD-L-C175-7022-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5
2.5°	18824.5	18854.9	18885.3	18931.0	18991.9	19022.3	18991.9	18961.4	18946.2	18976.6	18991.9
5°	19083.2	19128.8	19144.0	19174.5	19204.9	19174.5	19159.3	19128.8	19113.6	19128.8	19174.5
7.5°	19463.6	19494.1	19478.8	19463.6	19448.4	19341.9	19235.3	19189.7	19189.7	19235.3	19357.1
10°	19798.4	19859.3	19783.2	19722.3	19615.8	19448.4	19265.8	19159.3	19189.7	19281.0	19433.2
12.5°	20224.5	20224.5	20148.4	20087.5	19844.1	19646.2	19402.7	19235.3	19235.3	19402.7	19570.1
15°	20741.9	20696.3	20665.8	20498.4	20209.3	19889.7	19585.4	19341.9	19296.2	19554.9	19661.4
17.5°	21396.3	21228.9	21152.8	20863.7	20468.0	20057.1	19646.2	19448.4	19311.4	19585.4	19463.6
20°	22294.1	22172.4	21928.9	21472.4	20665.8	20133.2	19646.2	19387.5	19281.0	19433.2	19311.4
22.5°	23450.7	23374.6	22826.8	22248.5	21183.2	20194.1	19570.1	19220.1	19189.7	19113.6	18854.9
25°	24866.0	24668.1	24105.1	23283.3	21959.3	20787.6	19554.9	18915.8	18809.3	18611.4	18154.9
27.5°	26068.2	25855.1	25170.3	24439.9	23024.6	21670.2	19676.7	18550.5	18428.8	18291.8	17728.8
30°	26129.0	26220.3	26037.7	25489.9	24013.8	22035.4	19889.7	18444.0	18170.1	17683.1	17013.5
32.5°	24896.4	25109.4	25550.8	25748.6	24759.4	22476.7	20072.3	18489.7	17987.5	16815.7	16267.9
35°	20681.0	21107.1	22918.1	24622.5	24972.5	23115.9	20224.5	18489.7	17926.6	16191.8	15765.7
37.5°	15887.4	16237.4	17774.4	20863.7	24029.0	23511.6	20559.3	18383.2	17850.5	16237.4	15659.2
40°	12980.8	13178.6	13848.2	15948.3	20711.5	22857.2	20894.1	18504.9	17622.3	16267.9	15720.0
42.5°	12189.5	12174.3	12037.3	12813.4	15796.1	20939.7	21122.4	18809.3	17241.8	16070.0	15613.5
45°	11656.9	11626.4	11504.7	11656.9	12493.8	17135.3	20955.0	19357.1	16770.1	15370.0	15065.7
47.5°	11078.6	11093.8	11048.2	11109.0	10956.8	13011.3	20011.5	19585.4	15963.5	14198.2	14091.7
50°	9693.8	9922.0	10530.7	10591.6	10196.0	10500.3	17135.3	19478.8	15385.2	13863.5	13772.1
52.5°	6026.3	6391.5	8187.2	9709.0	9480.7	9480.7	13072.1	19631.0	14350.4	13741.7	13802.6
55°	2130.5	2404.4	4382.7	6680.6	8491.6	8659.0	10332.9	17470.1	14228.7	13954.8	14015.6
57.5°	532.6	654.4	1339.2	2891.4	5721.9	7852.4	9237.2	14426.5	10804.7	10424.2	10576.4
60°	623.9	608.7	837.0	928.3	2221.8	6208.9	8324.2	9739.4	6969.8	6528.5	6604.5
62.5°	669.6	623.9	654.4	821.8	365.2	3043.6	6635.0	5798.0	2876.2	2130.5	2252.2
65°	593.5	563.1	517.4	760.9	258.7	563.1	3911.0	1704.4	410.9	654.4	593.5
67.5°	395.7	410.9	426.1	608.7	243.5	243.5	517.4	426.1	289.1	593.5	517.4
70°	228.3	243.5	289.1	365.2	243.5	197.8	228.3	350.0	243.5	593.5	517.4
72.5°	137.0	137.0	137.0	152.2	243.5	167.4	152.2	289.1	213.0	547.8	517.4
75°	106.5	106.5	106.5	91.3	213.0	106.5	106.5	228.3	182.6	395.7	395.7
77.5°	91.3	91.3	91.3	76.1	121.7	91.3	91.3	167.4	167.4	197.8	228.3
80°	60.9	60.9	60.9	60.9	76.1	76.1	60.9	91.3	76.1	91.3	106.5
82.5°	30.4	45.7	45.7	30.4	45.7	45.7	45.7	60.9	45.7	60.9	60.9
85°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	30.4	15.2	15.2	30.4
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: P980941
CATALOG NUMBER: NFFLD-L-C175-7022-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5	19037.5
2.5°	19022.3	19098.4	19204.9	19372.3	19433.2	19539.7	19631.0	19707.1	19707.1	19676.7
5°	19265.8	19478.8	19768.0	20026.7	20118.0	20224.5	20270.2	20346.3	20331.0	20315.8
7.5°	19478.8	19813.6	20118.0	20300.6	20270.2	20133.2	20041.9	19920.2	19874.5	19904.9
10°	19646.2	19950.6	20087.5	19965.8	19600.6	19281.0	18870.1	18596.2	18459.2	18504.9
12.5°	19707.1	19813.6	19691.9	19022.3	18565.8	18261.4	17926.6	17744.0	17667.9	17683.1
15°	19722.3	19478.8	18809.3	18307.1	17972.3	17591.8	17317.9	17150.5	17150.5	17165.7
17.5°	19402.7	18809.3	18231.0	17850.5	17378.8	16983.1	16830.9	16770.1	16389.6	16450.5
20°	19113.6	18261.4	17941.8	17348.3	16785.3	16526.6	15643.9	15552.6	15567.9	15583.1
22.5°	18504.9	17865.7	17576.6	16800.5	16161.3	15446.1	15324.4	15233.1	15248.3	15248.3
25°	17667.9	17302.7	16907.0	16100.5	15324.4	15187.4	15096.1	14974.4	14913.5	14928.7
27.5°	17196.2	16739.6	16009.2	15324.4	14822.2	14883.0	14776.5	14593.9	14593.9	14609.1
30°	*16602.7*	*16161.3*	*15187.4*	*14380.9*	*14426.5*	*14517.8*	*14259.1*	*14167.8*	*14122.2*	*14122.2*
32.5°	15872.2	15263.5	14411.3	13650.4	13924.3	13893.9	13574.3	13604.7	13635.2	13604.7
35°	15324.4	14533.0	13817.8	13406.9	13300.4	13178.6	13011.3	13117.8	13163.4	13133.0
37.5°	15187.4	14243.9	13498.2	13209.1	12798.2	12569.9	12615.6	12722.1	12783.0	12767.8
40°	15141.8	13954.8	13224.3	12919.9	12372.1	12174.3	12235.1	12448.2	12524.3	12509.1
42.5°	15080.9	13756.9	13056.9	12691.7	11930.8	11793.8	12083.0	12280.8	12296.0	12280.8
45°	14761.3	13543.9	12950.4	12219.9	11261.2	11428.6	11793.8	11900.4	11717.7	11641.6
47.5°	14015.6	13148.2	12630.8	11641.6	10713.4	11032.9	11078.6	9922.0	9252.4	9100.3
50°	13802.6	13163.4	12265.6	10956.8	10378.6	10698.1	8704.6	6650.2	5813.2	5645.8
52.5°	13741.7	13011.3	12402.5	10241.6	10256.8	9024.2	5493.6	3256.6	2617.5	2495.7
55°	13893.9	13680.8	12630.8	9815.5	9541.6	5874.1	2556.6	1537.0	1582.7	1537.0
57.5°	10485.1	11443.8	12904.7	9145.9	6969.8	2830.5	1613.1	1491.3	1384.8	1354.4
60°	6543.7	7456.7	9450.3	7867.6	3576.2	1689.2	1643.5	1384.8	1339.2	1324.0
62.5°	2160.9	3317.5	5417.6	5174.1	989.2	1674.0	1658.7	1232.6	1232.6	1232.6
65°	547.8	563.1	1491.3	1780.5	730.5	1491.3	1582.7	1156.6	1126.1	1171.8
67.5°	471.8	426.1	791.3	700.0	608.7	1034.8	1384.8	1110.9	1050.0	1050.0
70°	471.8	502.2	776.1	654.4	380.4	563.1	1004.4	684.8	608.7	563.1
72.5°	441.3	487.0	684.8	593.5	258.7	273.9	441.3	228.3	213.0	182.6
75°	380.4	395.7	532.6	532.6	273.9	137.0	182.6	152.2	152.2	137.0
77.5°	258.7	197.8	304.4	380.4	197.8	91.3	76.1	76.1	76.1	60.9
80°	137.0	76.1	76.1	60.9	76.1	76.1	45.7	60.9	60.9	45.7
82.5°	76.1	45.7	45.7	30.4	30.4	45.7	30.4	30.4	30.4	30.4
85°	30.4	30.4	15.2	15.2	15.2	30.4	15.2	15.2	15.2	15.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	15.2
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2501-319-8

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7022-66

Data in this report applies to families of products including NFFLD-C55-7022-66

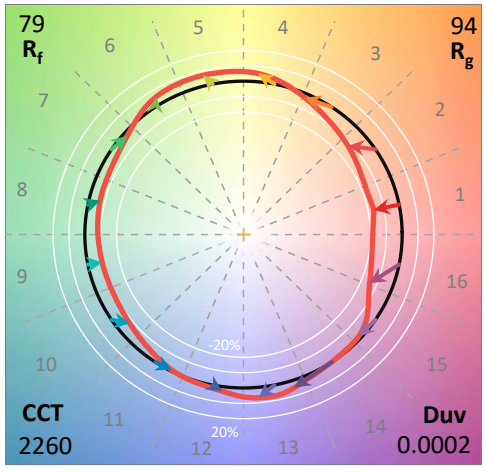
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-8
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-C55-7022-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	2260	CRI (Ra):	72.8		
CIE u':	0.2861	R1:	70.2	R9:	-28.5
CIE v':	0.5354	R2:	88.0	R10:	76.1
Duv:	0.0002	R3:	89.4	R11:	65.3
CIE x:	0.5000	R4:	67.3	R12:	73.8
CIE y:	0.4158	R5:	70.5	R13:	73.9
CIE z:	0.0842	R6:	87.8	R14:	94.5
Peak Wavelength (nm):	604	R7:	71.9	R15:	60.0
Dominant Wavelength (nm):	586	R8:	36.8		
Purity:	74.90898				
Rf:	78.7				
Rg:	93.7				



Test Conditions

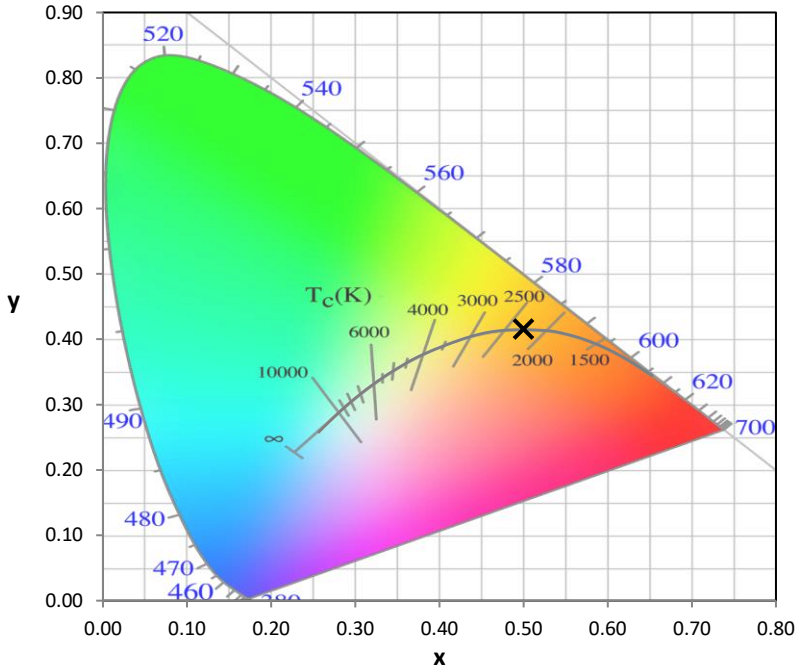
Stabilization Time:	59M
Operation Time:	1H 59M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-8

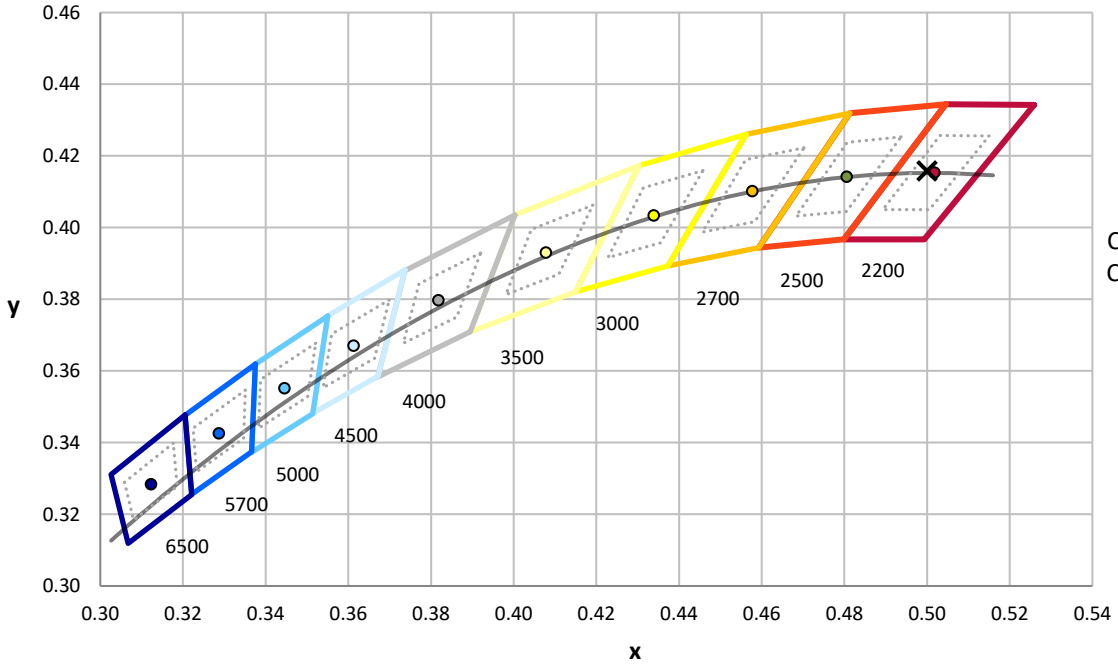
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-8

CIE 1931 Chromaticity Diagram



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

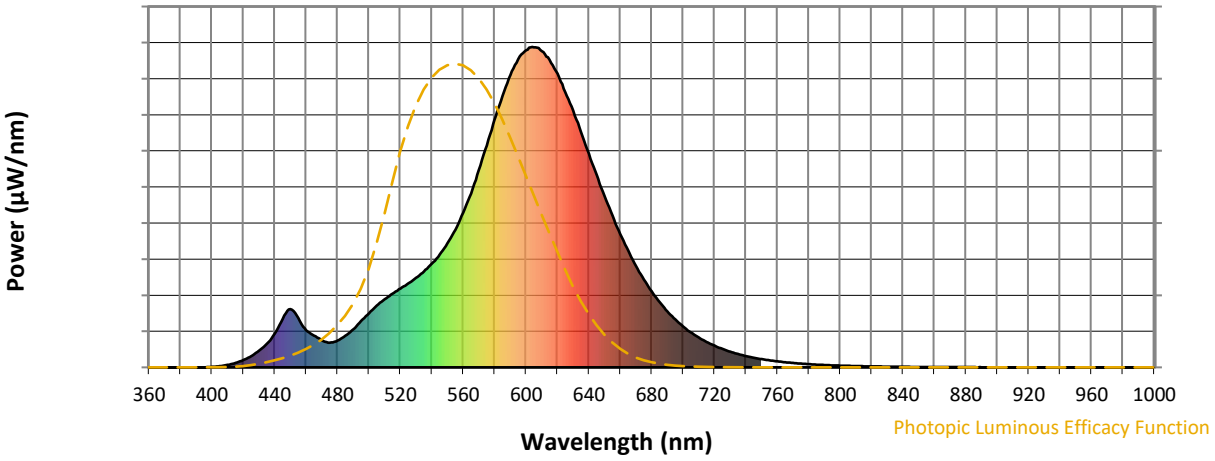


CCT = 2260K
CIE x = 0.5000
CIE y = 0.4158
Duv = 0.0002

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-8

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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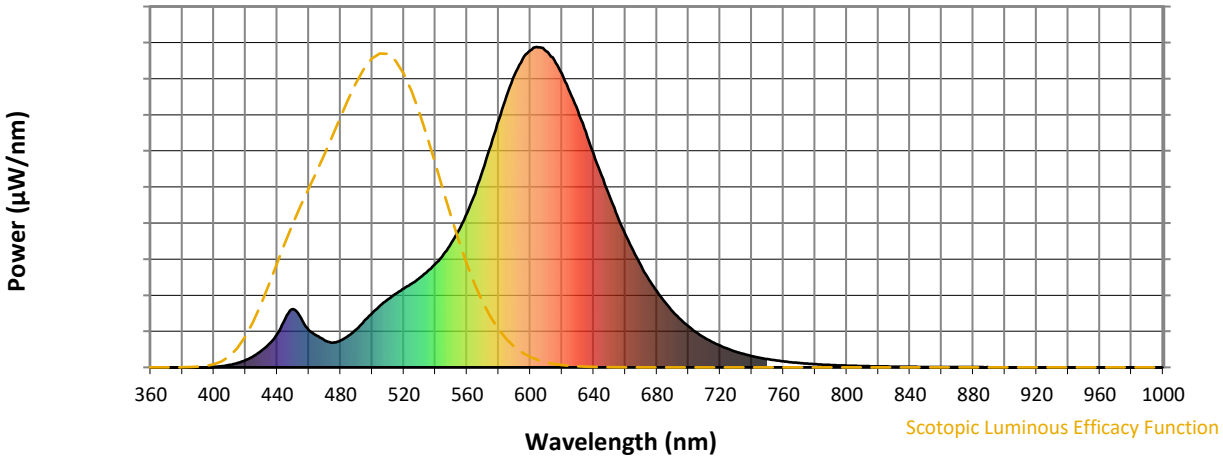
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.95**

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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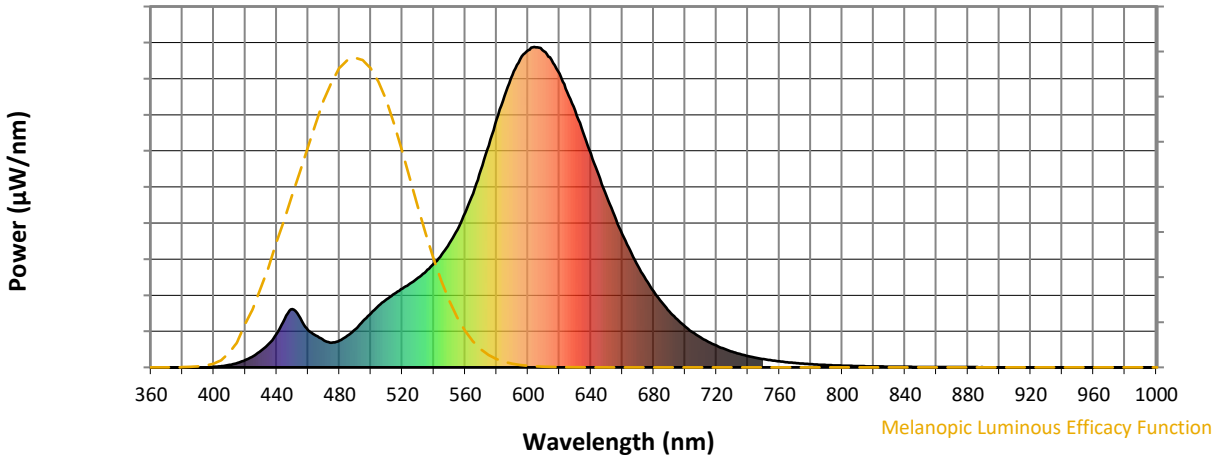
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.64**

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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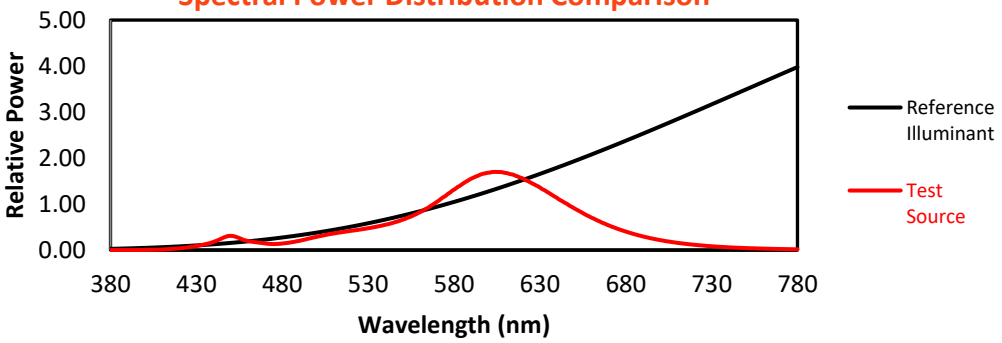
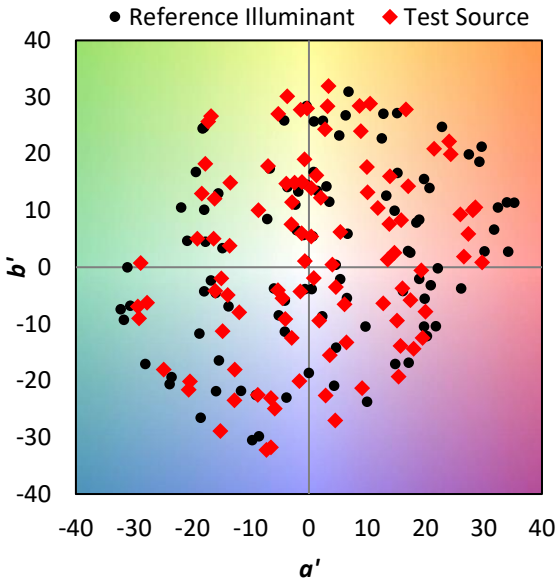
Summary

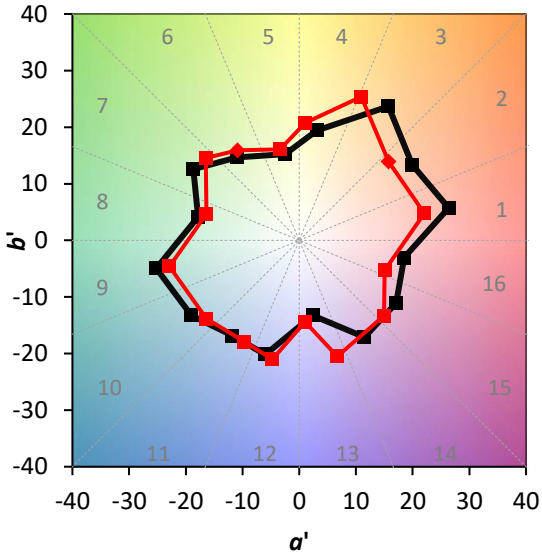
R_f = 78.7
R_g = 93.7
CIE R_a = 72.8
R_9 = -28.5

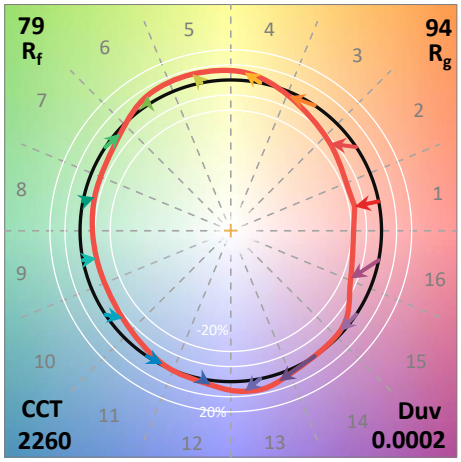
Spectral Power Distribution Comparison

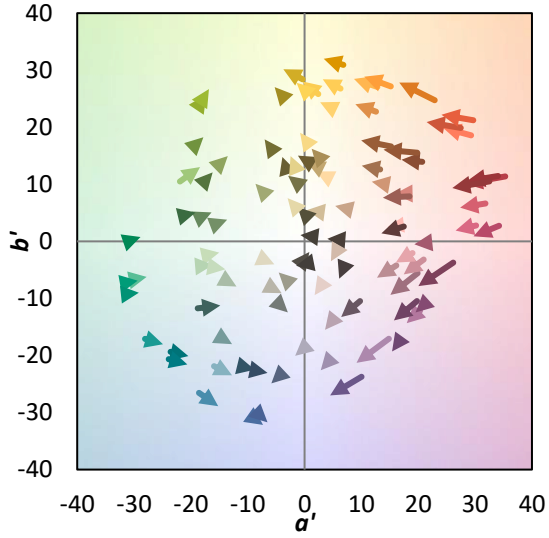


Color Vector Graphics









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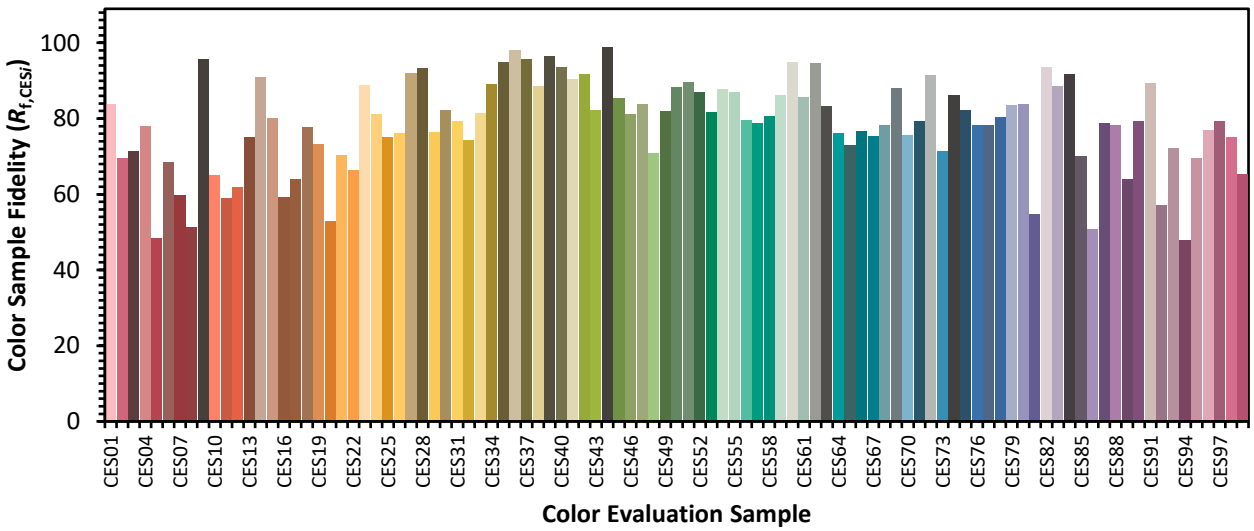
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 78
CES02 = 65	CES27 = 92	CES52 = 87	CES77 = 78
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 80
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 84
CES05 = 51	CES30 = 82	CES55 = 87	CES80 = 84
CES06 = 52	CES31 = 79	CES56 = 80	CES81 = 55
CES07 = 44	CES32 = 74	CES57 = 79	CES82 = 94
CES08 = 42	CES33 = 81	CES58 = 81	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 86	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 70
CES11 = 61	CES36 = 98	CES61 = 86	CES86 = 51
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 79
CES13 = 45	CES38 = 89	CES63 = 83	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 76	CES89 = 64
CES15 = 72	CES40 = 94	CES65 = 73	CES90 = 79
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 89
CES17 = 51	CES42 = 92	CES67 = 75	CES92 = 57
CES18 = 57	CES43 = 82	CES68 = 78	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 79	CES96 = 77
CES22 = 81	CES47 = 84	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 86	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 82	



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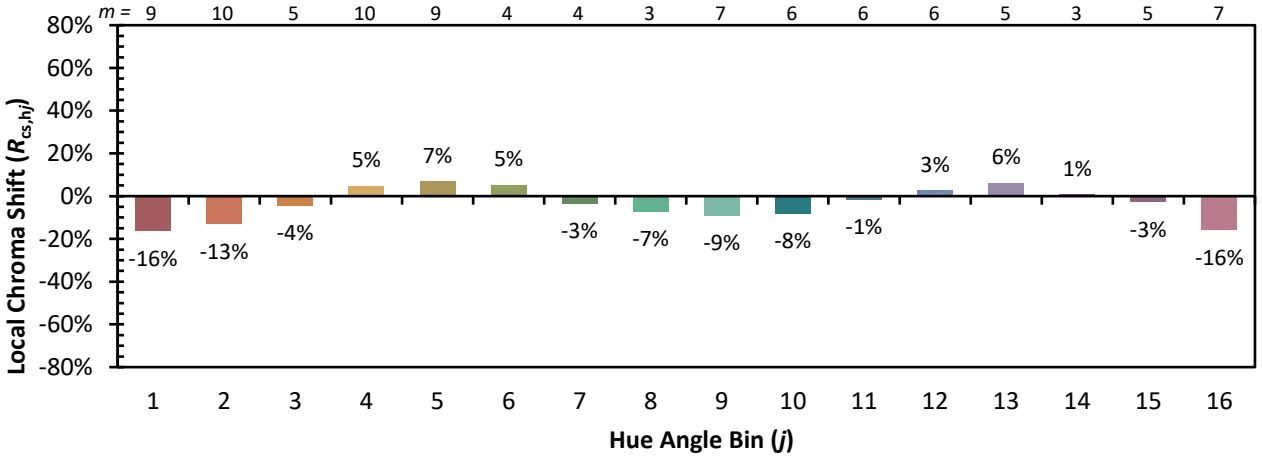
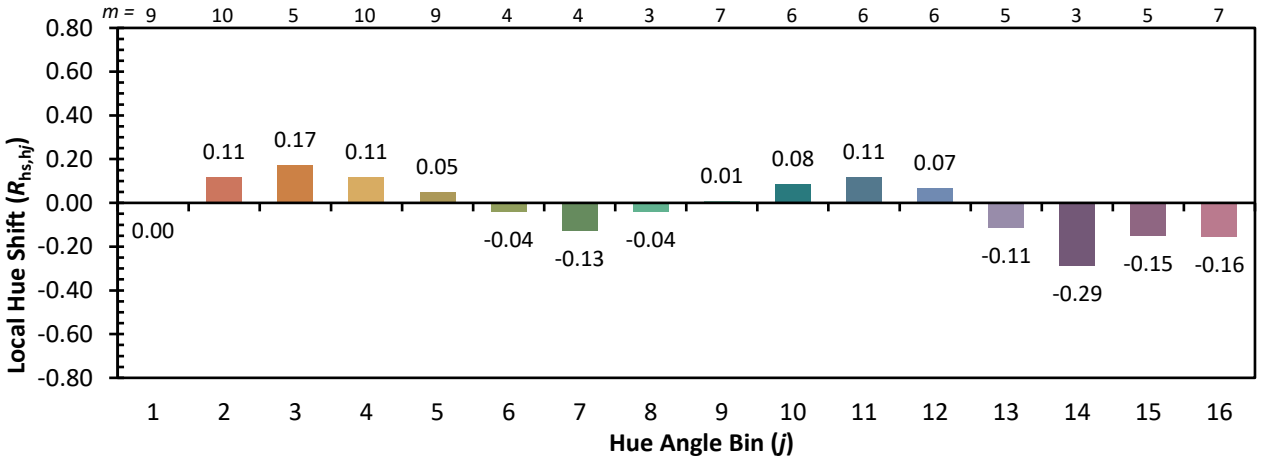
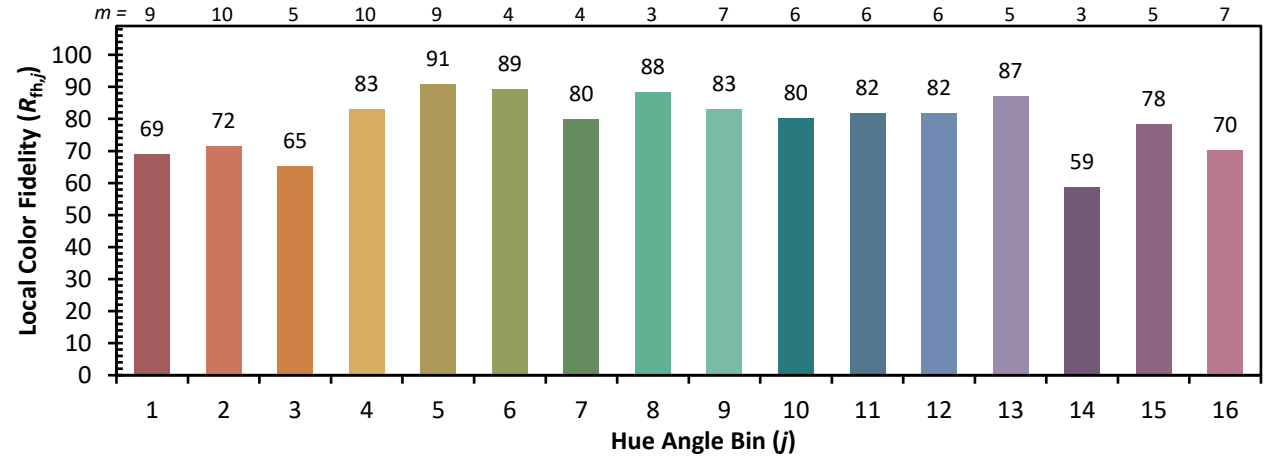
Color Rendition by Hue-Angle Bin







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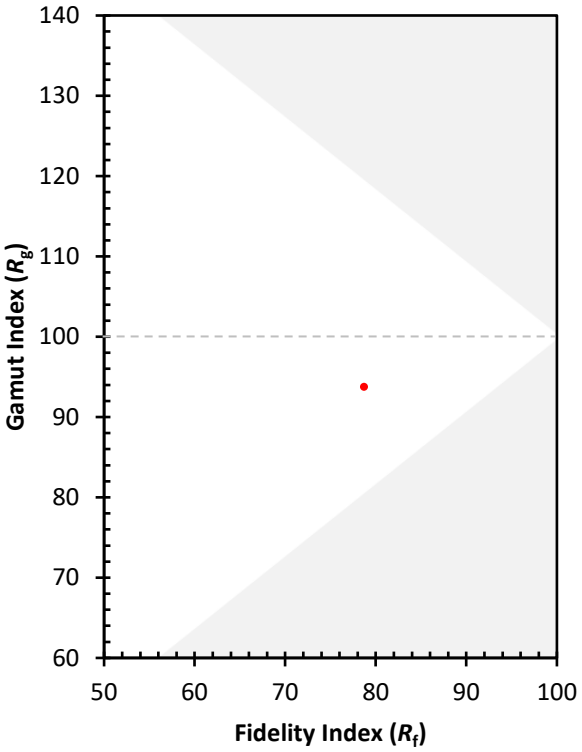
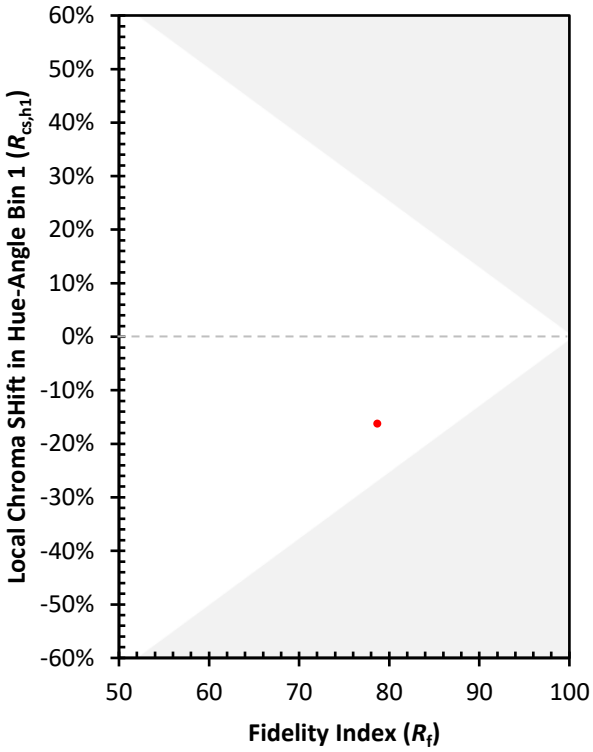
Measure Comparisons





(END OF REPORT)