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: P980992

Luminaire Tested: **NFFLD-L-C75-7060-66**

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:	P980992
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C75-7060-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 180W 70CRI 5700K LED FIXTURE NEMA 6
Light Source:	(4) 5700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30744.3 lumens
Efficiency:	N/A
Efficacy:	171.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	179
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	3.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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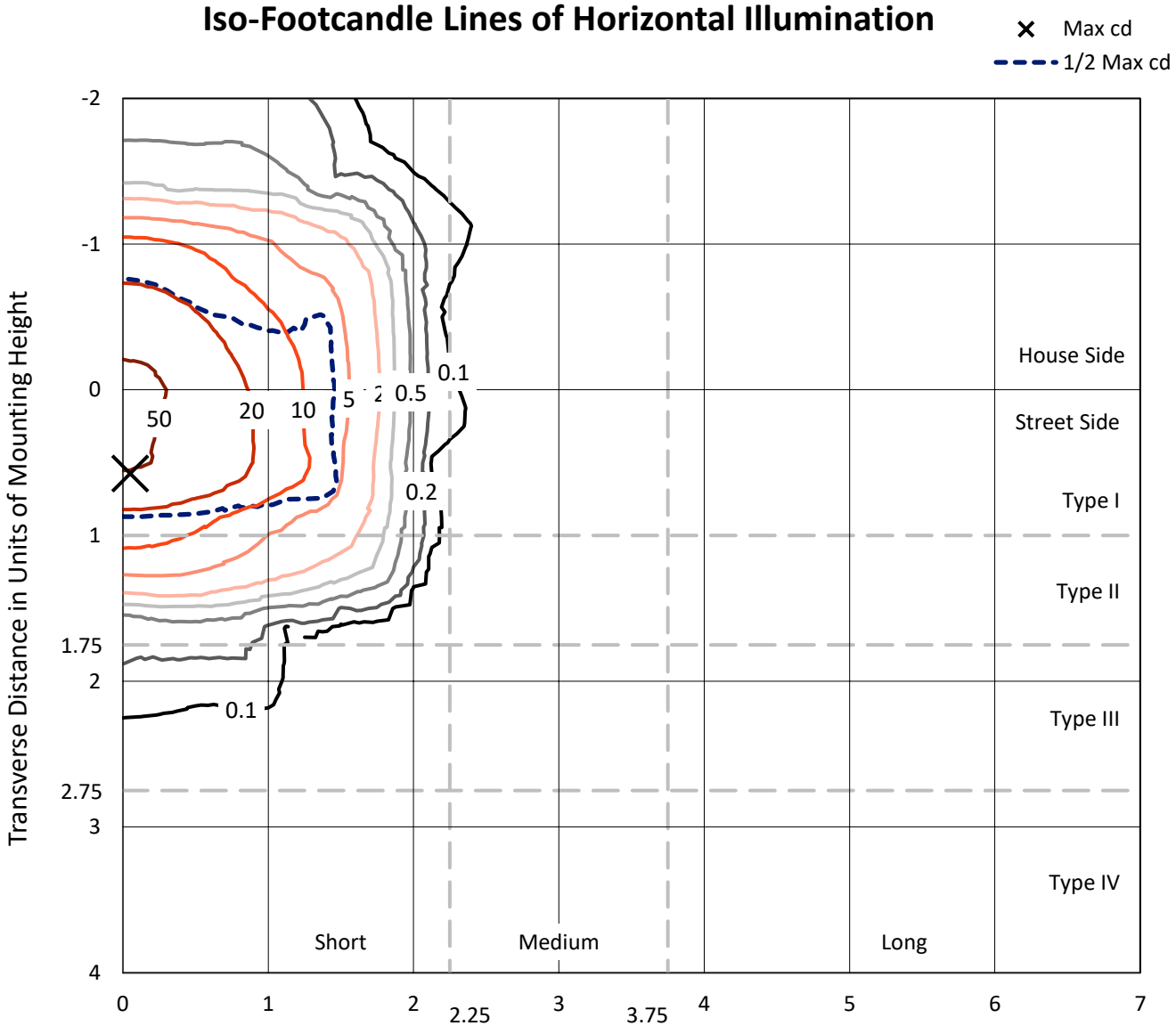
REPORT NUMBER: P980992
CATALOG NUMBER: NFFLD-L-C75-7060-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 57.1 fc
Type I - Short - N/A

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REPORT NUMBER: P980992
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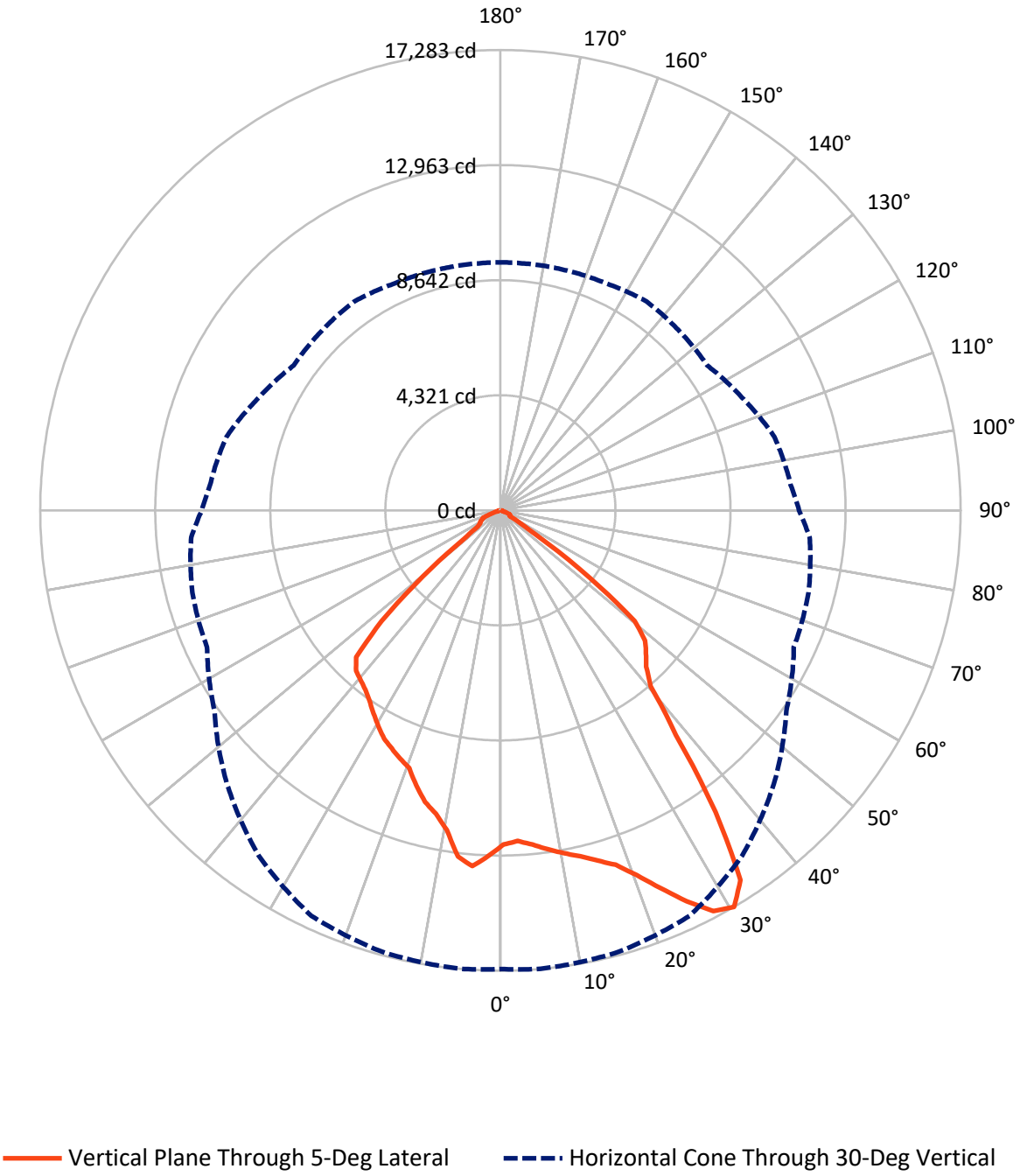
Luminous Intensity Polar Plot



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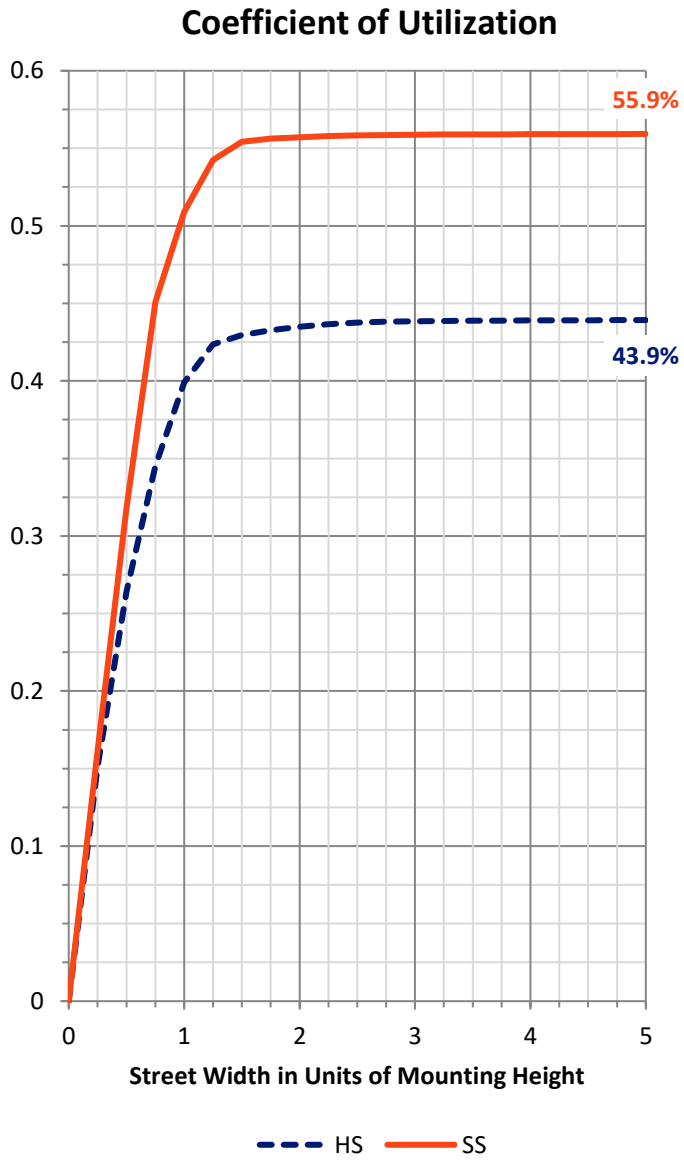
CATALOG NUMBER: NFFLD-L-C75-7060-66

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13597.9	0.0	13597.9
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	17146.4	0.0	17146.4
	% Fixture	55.8	0.0	55.8
Total	Lumens	30744.3	0.0	30744.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1227.6	4.0
10°-20°	3556.1	11.6
20°-30°	5666.9	18.4
30°-40°	7084.5	23.0
40°-50°	6952.3	22.6
50°-60°	4970.5	16.2
60°-70°	1099.7	3.6
70°-80°	168.9	0.5
80°-90°	17.9	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°	30744.3	100.0
0°-180°	30744.3	100.0



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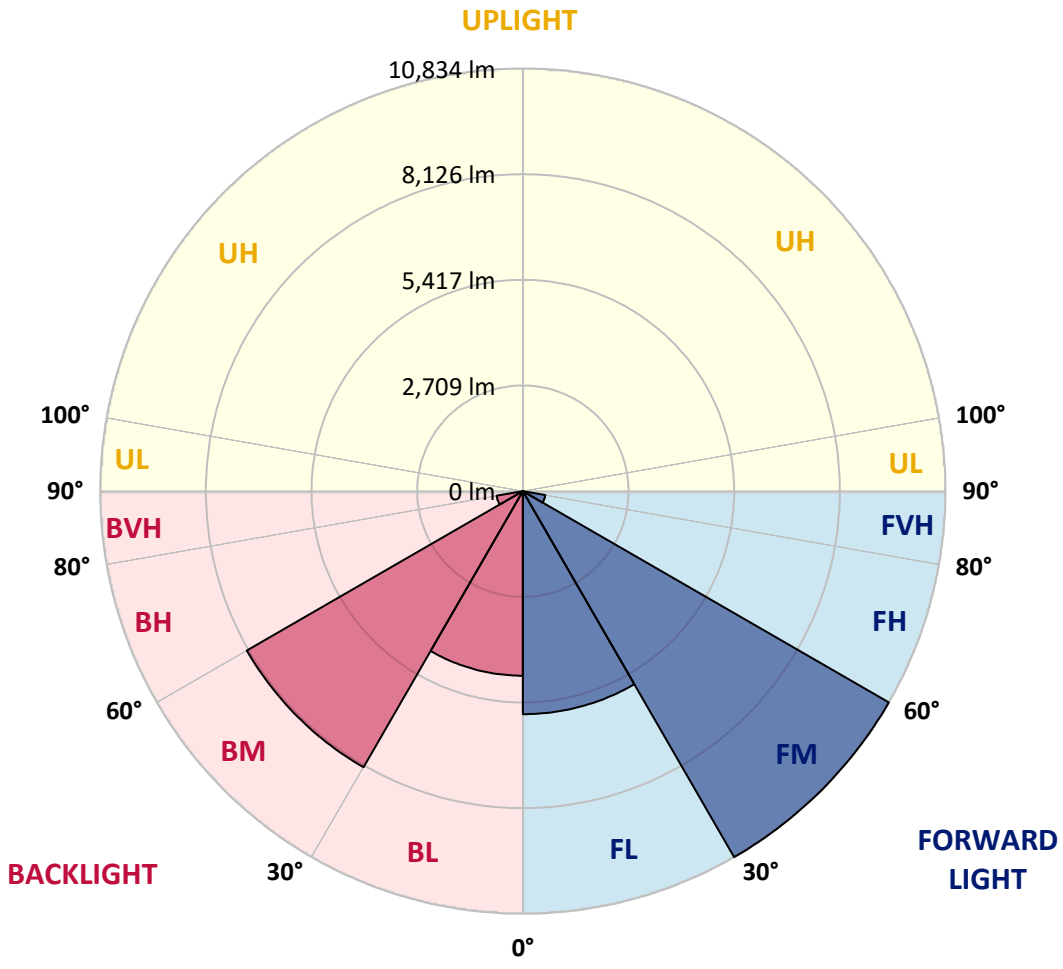
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5718.2	18.6			
FM	(30°-60°)	10834.3	35.2			
FH	(60°-80°)	584.9	1.9			G0/660
FVH	(80°-90°)	9.0	0.0			G0/10
BL	(0°-30°)	4732.3	15.4	B4/5000		
BM	(30°-60°)	8173.0	26.6	B4/8500		
BH	(60°-80°)	683.7	2.2	B2/1000		G2/1000
BVH	(80°-90°)	8.8	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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REPORT NUMBER: P980992
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8
2.5°	12408.3	12428.4	12448.5	12478.6	12518.7	12538.7	12518.7	12498.6	12488.6	12508.7	12518.7
5°	12578.9	12609.0	12619.0	12639.1	12659.1	12639.1	12629.0	12609.0	12598.9	12609.0	12639.1
7.5°	12829.6	12849.7	12839.7	12829.6	12819.6	12749.4	12679.2	12649.1	12649.1	12679.2	12759.4
10°	13050.3	13090.4	13040.3	13000.2	12930.0	12819.6	12699.2	12629.0	12649.1	12709.3	12809.6
12.5°	13331.2	13331.2	13281.0	13240.9	13080.4	12950.0	12789.5	12679.2	12679.2	12789.5	12899.9
15°	13672.2	13642.2	13622.1	13511.8	13321.2	13110.5	12909.9	12749.4	12719.3	12889.8	12960.0
17.5°	14103.6	13993.2	13943.1	13752.5	13491.7	13220.9	12950.0	12819.6	12729.3	12909.9	12829.6
20°	14695.4	14615.2	14454.7	14153.7	13622.1	13271.0	12950.0	12779.5	12709.3	12809.6	12729.3
22.5°	15457.8	15407.6	15046.5	14665.3	13963.1	13311.1	12899.9	12669.1	12649.1	12598.9	12428.4
25°	16390.6	16260.2	15889.1	15347.4	14474.7	13702.3	12889.8	12468.5	12398.3	12267.9	11967.0
27.5°	17183.1	17042.7	16591.3	16109.8	15176.9	14284.1	12970.1	12227.8	12147.5	12057.3	11686.1
30°	17223.2	17283.4	17163.0	16801.9	15828.9	14524.9	13110.5	12157.6	11977.0	11656.0	11214.7
32.5°	16410.7	16551.1	16842.0	16972.4	16320.4	14815.8	13230.9	12187.7	11856.6	11084.2	10723.1
35°	13632.1	13913.0	15106.7	16230.2	16460.9	15237.1	13331.2	12187.7	11816.5	10673.0	10392.1
37.5°	10472.4	10703.1	11716.2	13752.5	15838.9	15497.9	13551.9	12117.4	11766.4	10703.1	10321.9
40°	8556.4	8686.8	9128.2	10512.5	13652.2	15066.6	13772.6	12197.7	11615.9	10723.1	10362.0
42.5°	8034.8	8024.8	7934.5	8446.1	10412.2	13802.6	13923.0	12398.3	11365.1	10592.7	10291.8
45°	7683.7	7663.7	7583.4	7683.7	8235.4	11294.9	13812.7	12759.4	11054.2	10131.3	9930.7
47.5°	7302.6	7312.6	7282.5	7322.6	7222.3	8576.5	13190.8	12909.9	10522.5	9358.9	9288.7
50°	6389.7	6540.2	6941.4	6981.6	6720.8	6921.4	11294.9	12839.7	10141.3	9138.2	9078.1
52.5°	3972.3	4213.0	5396.7	6399.8	6249.3	6249.3	8616.6	12940.0	9459.2	9058.0	9098.1
55°	1404.3	1584.9	2888.9	4403.6	5597.3	5707.6	6811.0	11515.6	9379.0	9198.4	9238.5
57.5°	351.1	431.3	882.7	1905.9	3771.7	5176.0	6088.8	9509.4	7122.0	6871.2	6971.5
60°	411.3	401.2	551.7	611.9	1464.5	4092.6	5487.0	6419.8	4594.2	4303.3	4353.5
62.5°	441.4	411.3	431.3	541.7	240.7	2006.2	4373.5	3821.8	1895.9	1404.3	1484.6
65°	391.2	371.1	341.1	501.5	170.5	371.1	2578.0	1123.5	270.8	431.3	391.2
67.5°	260.8	270.8	280.9	401.2	160.5	160.5	341.1	280.9	190.6	391.2	341.1
70°	150.5	160.5	190.6	240.7	160.5	130.4	150.5	230.7	160.5	391.2	341.1
72.5°	90.3	90.3	90.3	100.3	160.5	110.3	100.3	190.6	140.4	361.1	341.1
75°	70.2	70.2	70.2	60.2	140.4	70.2	70.2	150.5	120.4	260.8	260.8
77.5°	60.2	60.2	60.2	50.2	80.2	60.2	60.2	110.3	110.3	130.4	150.5
80°	40.1	40.1	40.1	40.1	50.2	50.2	40.1	60.2	50.2	60.2	70.2
82.5°	20.1	30.1	30.1	20.1	30.1	30.1	30.1	40.1	30.1	40.1	40.1
85°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	20.1	10.0	10.0	20.1
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: P980992
CATALOG NUMBER: NFFLD-L-C75-7060-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8	12548.8
2.5°	12538.7	12588.9	12659.1	12769.5	12809.6	12879.8	12940.0	12990.1	12990.1	12970.1
5°	12699.2	12839.7	13030.3	13200.8	13261.0	13331.2	13361.3	13411.4	13401.4	13391.4
7.5°	12839.7	13060.4	13261.0	13381.3	13361.3	13271.0	13210.8	13130.6	13100.5	13120.5
10°	12950.0	13150.6	13240.9	13160.7	12919.9	12709.3	12438.4	12257.9	12167.6	12197.7
12.5°	12990.1	13060.4	12980.1	12538.7	12237.8	12037.2	11816.5	11696.1	11646.0	11656.0
15°	13000.2	12839.7	12398.3	12067.3	11846.6	11595.8	11415.3	11304.9	11304.9	11315.0
17.5°	12789.5	12398.3	12017.1	11766.4	11455.4	11194.6	11094.3	11054.2	10803.4	10843.5
20°	12598.9	12037.2	11826.5	11435.3	11064.2	10893.7	10311.9	10251.7	10261.7	10271.7
22.5°	12197.7	11776.4	11585.8	11074.2	10652.9	10181.5	10101.2	10041.0	10051.1	10051.1
25°	11646.0	11405.2	11144.4	10612.8	10101.2	10010.9	9950.7	9870.5	9830.4	9840.4
27.5°	11335.0	11034.1	10552.6	10101.2	9770.2	9810.3	9740.1	9619.7	9619.7	9629.8
30°	*10943.8*	*10652.9*	*10010.9*	*9479.3*	*9509.4*	*9569.6*	*9399.0*	*9338.9*	*9308.8*	*9308.8*
32.5°	10462.3	10061.1	9499.4	8997.8	9178.4	9158.3	8947.6	8967.7	8987.8	8967.7
35°	10101.2	9579.6	9108.1	8837.3	8767.1	8686.8	8576.5	8646.7	8676.8	8656.7
37.5°	10010.9	9389.0	8897.5	8706.9	8436.1	8285.6	8315.7	8385.9	8426.0	8416.0
40°	9980.8	9198.4	8716.9	8516.3	8155.2	8024.8	8064.9	8205.4	8255.5	8245.5
42.5°	9940.7	9068.0	8606.6	8365.8	7864.3	7774.0	7964.6	8095.0	8105.0	8095.0
45°	9730.1	8927.6	8536.4	8054.9	7422.9	7533.3	7774.0	7844.2	7723.9	7673.7
47.5°	9238.5	8666.8	8325.7	7673.7	7061.8	7272.5	7302.6	6540.2	6098.8	5998.5
50°	9098.1	8676.8	8085.0	7222.3	6841.1	7051.8	5737.7	4383.5	3831.8	3721.5
52.5°	9058.0	8576.5	8175.3	6750.9	6760.9	5948.4	3621.2	2146.6	1725.3	1645.1
55°	9158.3	9017.9	8325.7	6470.0	6289.4	3872.0	1685.2	1013.1	1043.2	1013.1
57.5°	6911.4	7543.3	8506.3	6028.6	4594.2	1865.8	1063.3	983.0	912.8	892.8
60°	4313.3	4915.2	6229.2	5186.0	2357.3	1113.4	1083.3	912.8	882.7	872.7
62.5°	1424.4	2186.8	3571.0	3410.5	652.0	1103.4	1093.4	812.5	812.5	812.5
65°	361.1	371.1	983.0	1173.6	481.5	983.0	1043.2	762.4	742.3	772.4
67.5°	311.0	280.9	521.6	461.4	401.2	682.1	912.8	732.3	692.1	692.1
70°	311.0	331.0	511.6	431.3	250.8	371.1	662.0	451.4	401.2	371.1
72.5°	290.9	321.0	451.4	391.2	170.5	180.6	290.9	150.5	140.4	120.4
75°	250.8	260.8	351.1	351.1	180.6	90.3	120.4	100.3	100.3	90.3
77.5°	170.5	130.4	200.6	250.8	130.4	60.2	50.2	50.2	50.2	40.1
80°	90.3	50.2	50.2	40.1	50.2	50.2	30.1	40.1	40.1	30.1
82.5°	50.2	30.1	30.1	20.1	20.1	30.1	20.1	20.1	20.1	20.1
85°	20.1	20.1	10.0	10.0	10.0	20.1	10.0	10.0	10.0	10.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0
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: SP1-2501-319-13

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7040-66

Data in this report applies to families of products including NFFLD-C55-7040-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

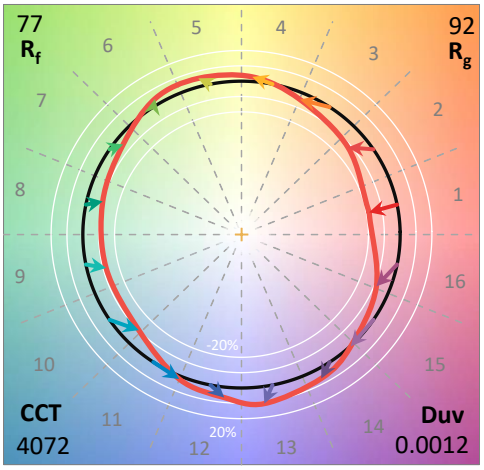
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-13
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-C55-7040-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	4072	CRI (Ra):	73.2		
CIE u':	0.2232	R1:	68.7	R9:	-38.7
CIE v':	0.5017	R2:	82.1	R10:	58.6
Duv:	0.0012	R3:	92.3	R11:	65.6
CIE x:	0.3781	R4:	69.9	R12:	52.4
CIE y:	0.3777	R5:	69.8	R13:	71.5
CIE z:	0.2442	R6:	75.1	R14:	95.9
Peak Wavelength (nm):	582	R7:	79.8	R15:	60.5
Dominant Wavelength (nm):	578	R8:	47.9		
Purity:	26.82001				

Rf:	76.8
Rg:	91.7



Test Conditions

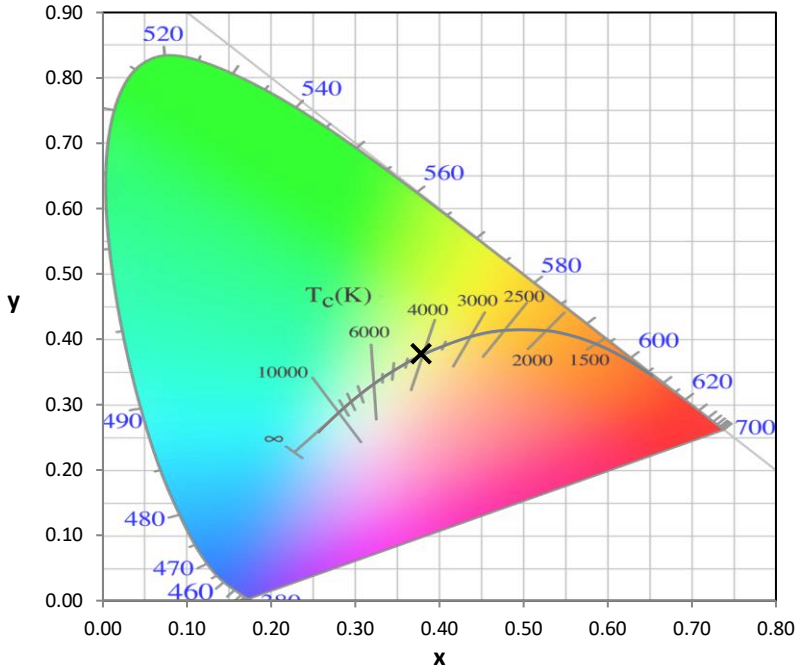
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-13

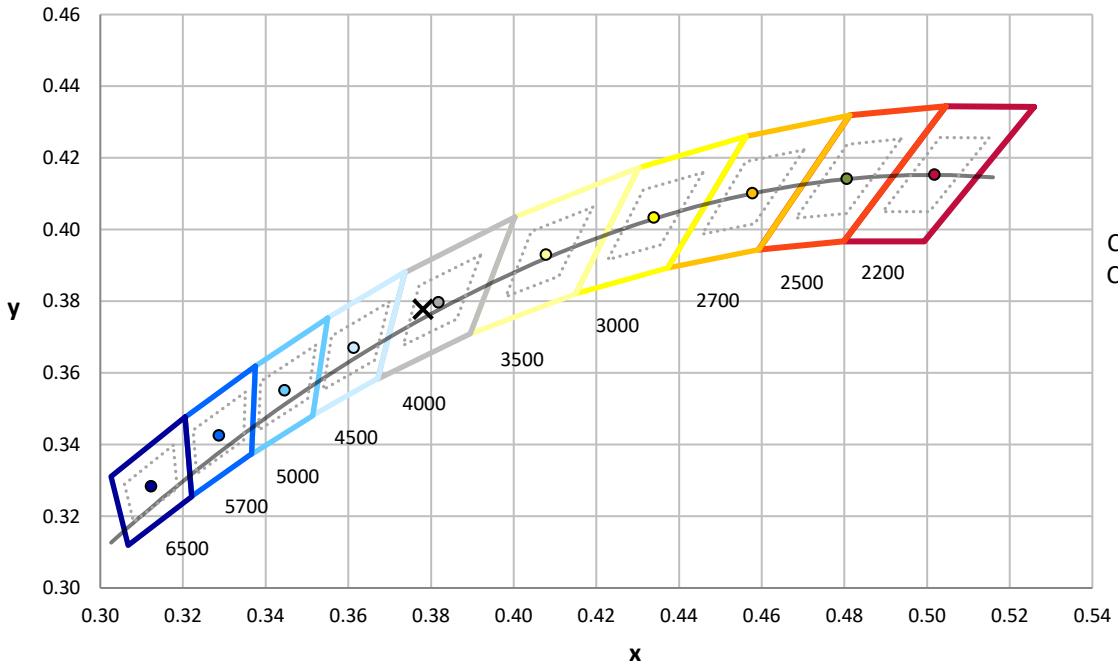
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-13

CIE 1931 Chromaticity Diagram



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

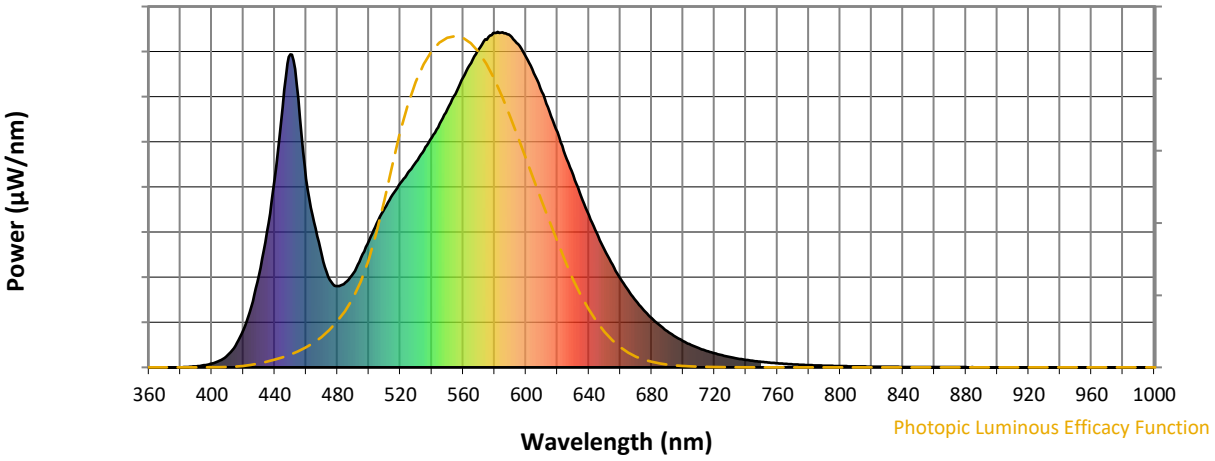


CCT = 4072K
CIE x = 0.3781
CIE y = 0.3777
Duv = 0.0012

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-13

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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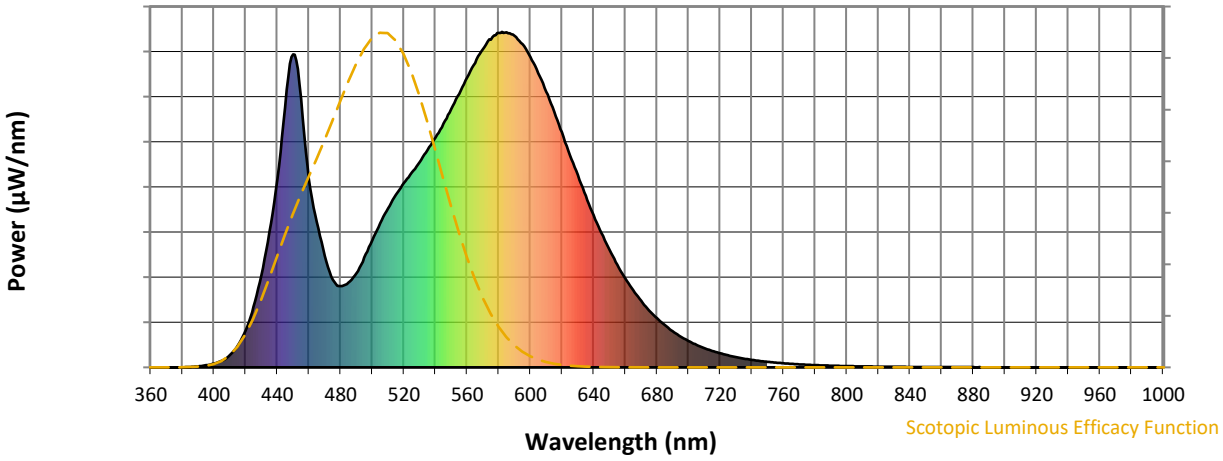
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.6**

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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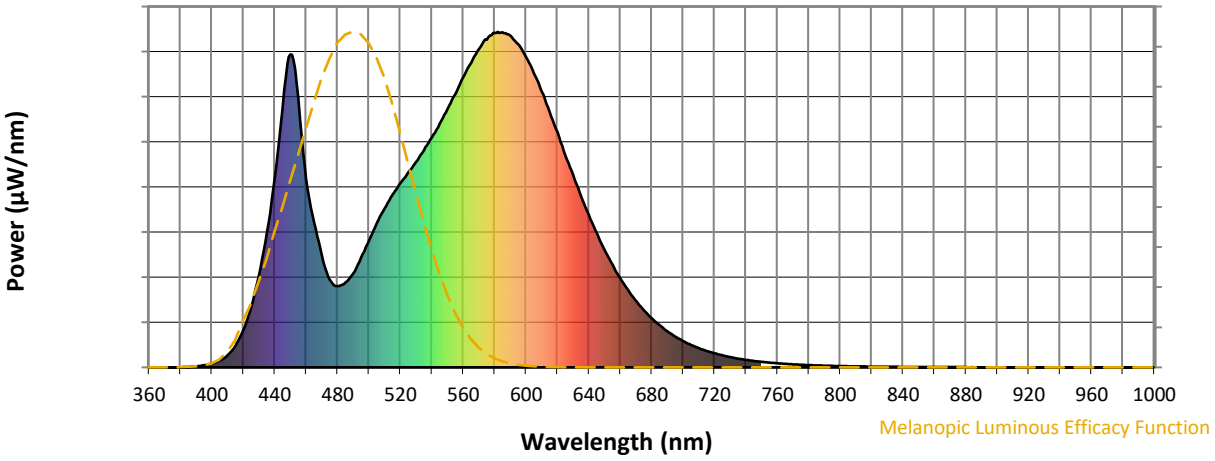
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.24**

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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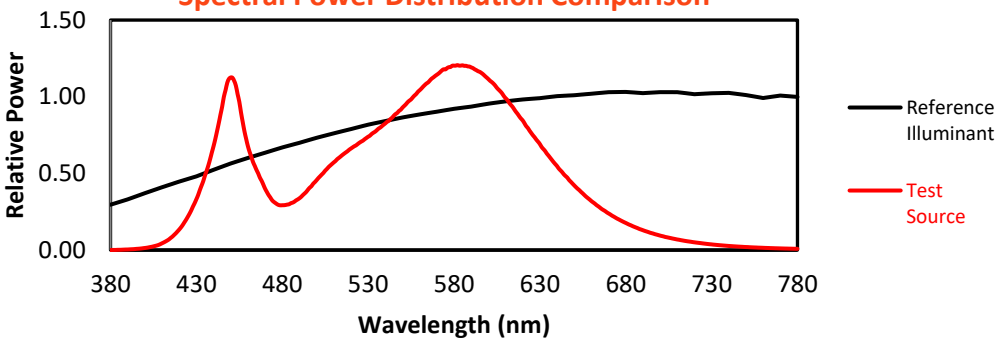
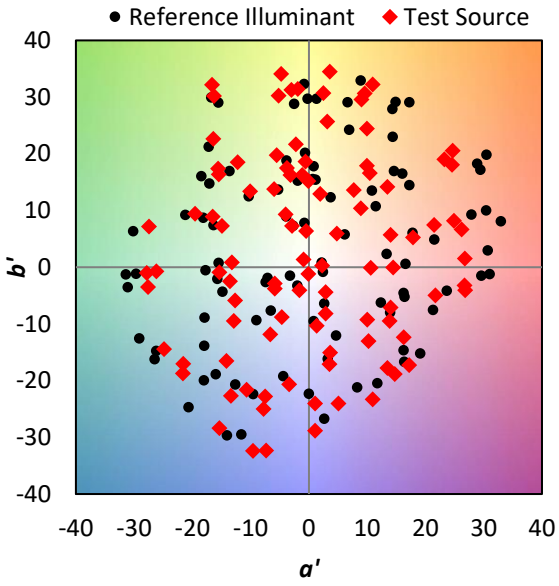
Summary

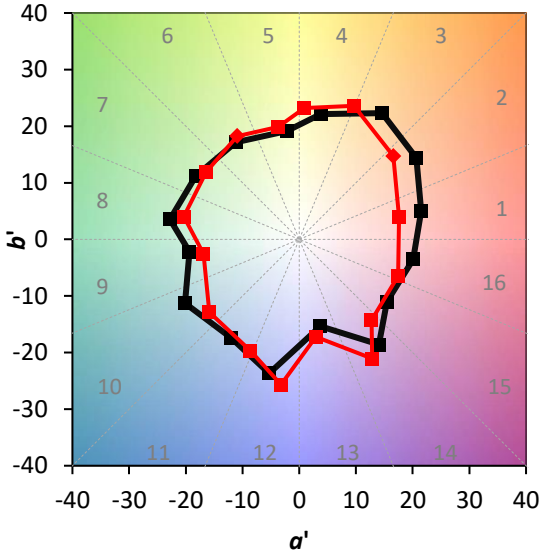
R_f = 76.8
R_g = 91.7
CIE R_a = 73.2
R_9 = -38.7

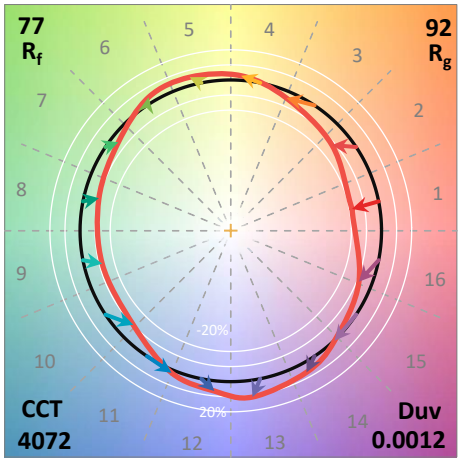
Spectral Power Distribution Comparison

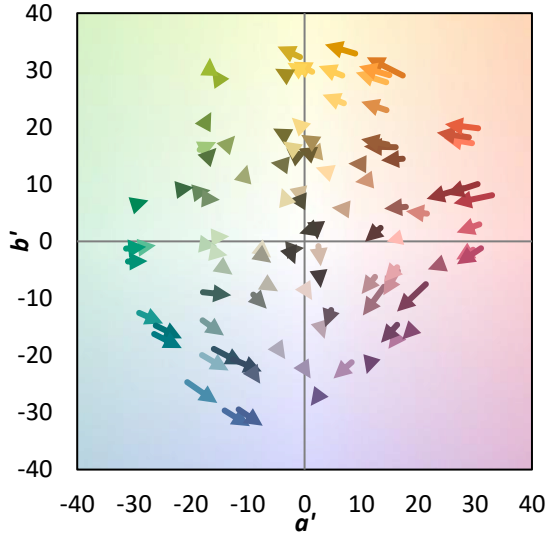


Color Vector Graphics









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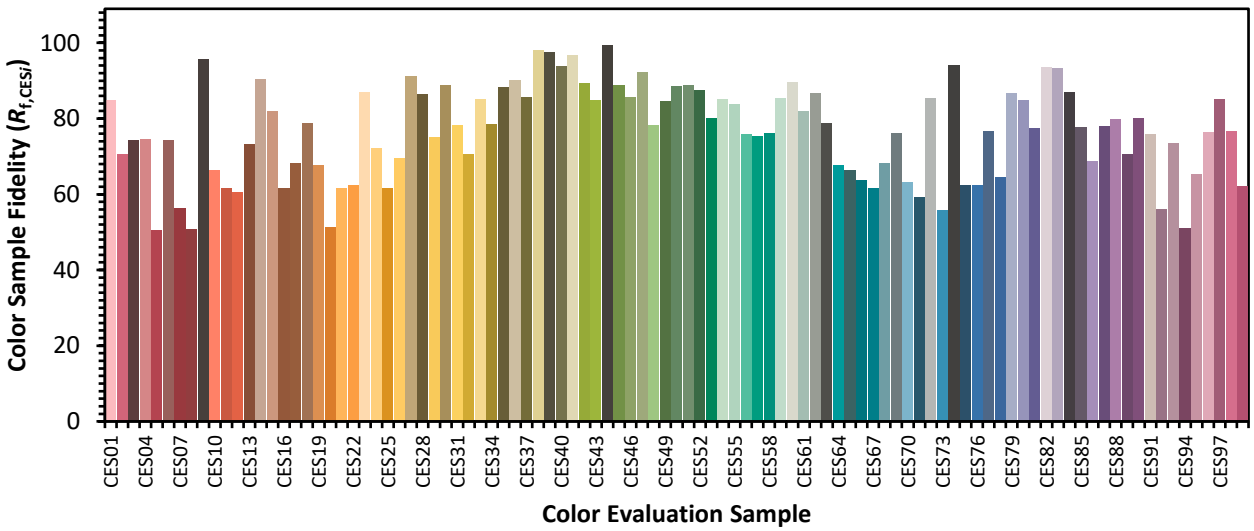
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 70	CES51 = 89	CES76 = 62
CES02 = 61	CES27 = 91	CES52 = 87	CES77 = 77
CES03 = 30	CES28 = 87	CES53 = 80	CES78 = 65
CES04 = 70	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 47	CES30 = 89	CES55 = 84	CES80 = 85
CES06 = 50	CES31 = 78	CES56 = 76	CES81 = 77
CES07 = 39	CES32 = 70	CES57 = 75	CES82 = 94
CES08 = 38	CES33 = 85	CES58 = 76	CES83 = 93
CES09 = 29	CES34 = 79	CES59 = 85	CES84 = 87
CES10 = 74	CES35 = 88	CES60 = 90	CES85 = 78
CES11 = 57	CES36 = 90	CES61 = 82	CES86 = 69
CES12 = 63	CES37 = 86	CES62 = 87	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 80
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 66	CES90 = 80
CES16 = 46	CES41 = 97	CES66 = 64	CES91 = 76
CES17 = 49	CES42 = 89	CES67 = 62	CES92 = 56
CES18 = 56	CES43 = 85	CES68 = 68	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 64	CES45 = 89	CES70 = 63	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 76
CES22 = 78	CES47 = 92	CES72 = 85	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 94	CES99 = 62
CES25 = 72	CES50 = 89	CES75 = 62	



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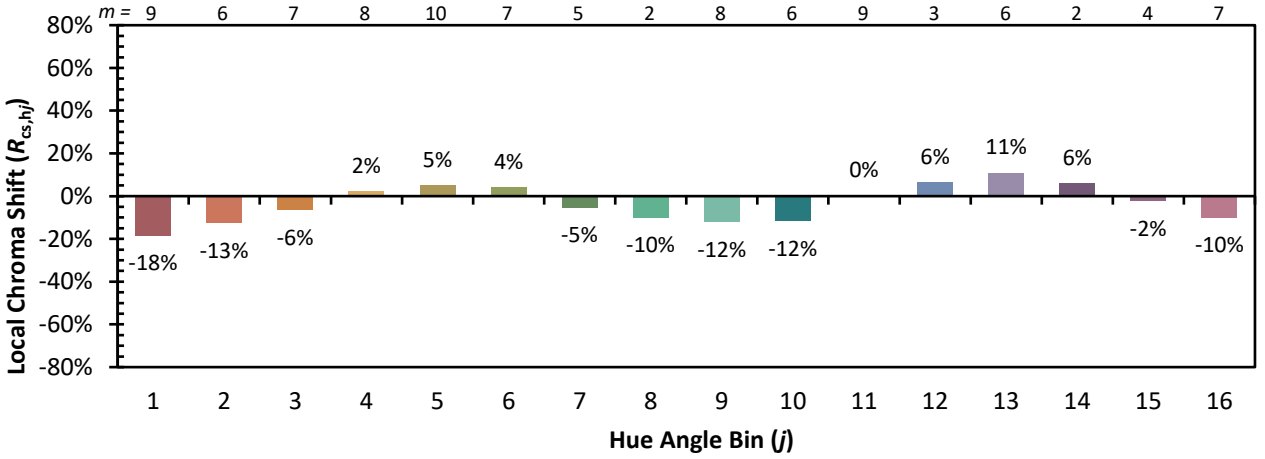
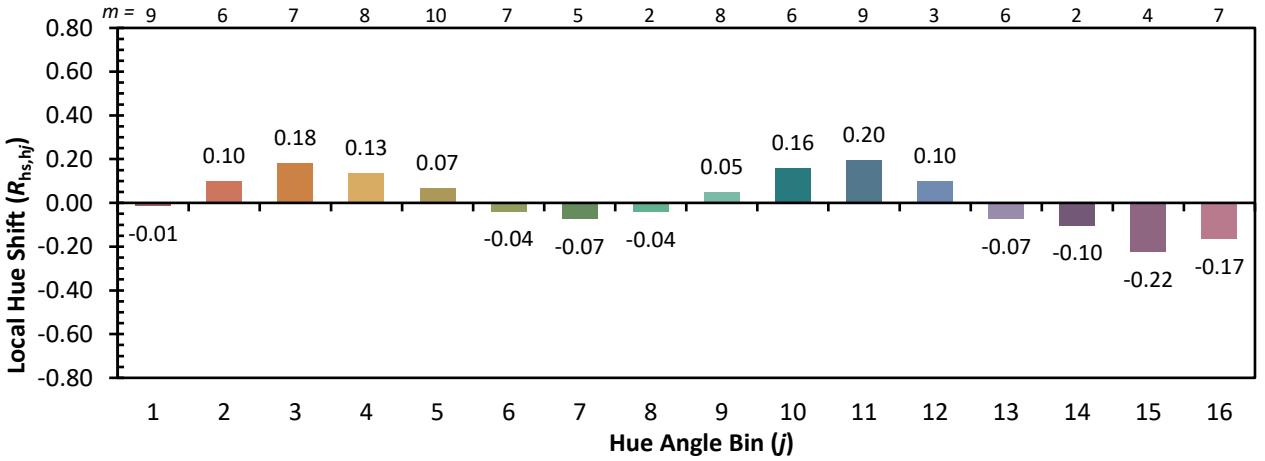
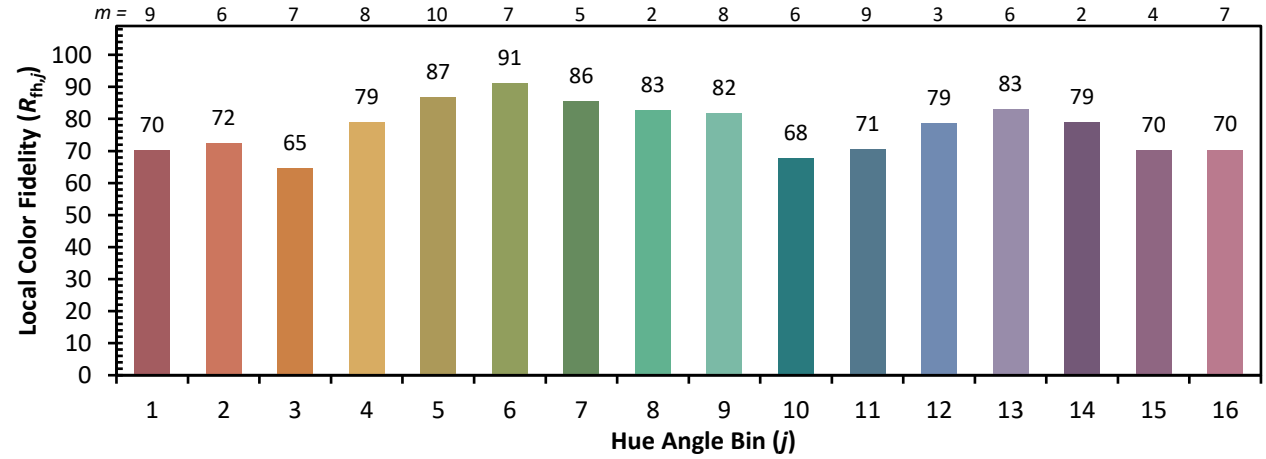
Color Rendition by Hue-Angle Bin







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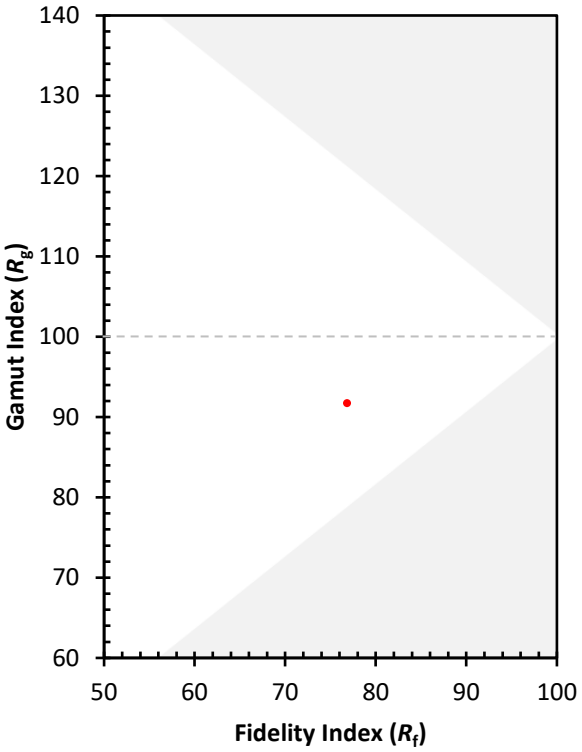
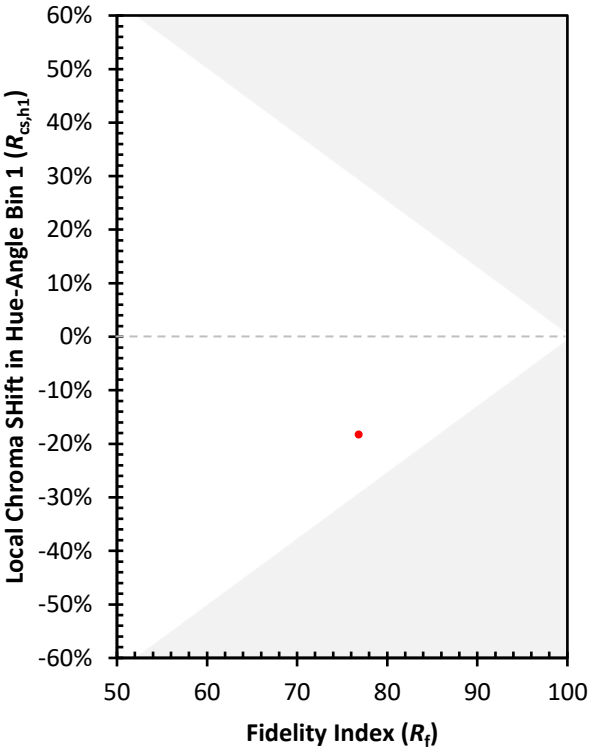
Measure Comparisons





(END OF REPORT)