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: P980935

Luminaire Tested: **NFFLD-C55-7022-66**

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:	P980935
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C55-7022-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 150W 70CRI 2200K LED FIXTURE NEMA 6
Light Source:	(2) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20902.9 lumens
Efficiency:	N/A
Efficacy:	139.0 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):	150.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.83%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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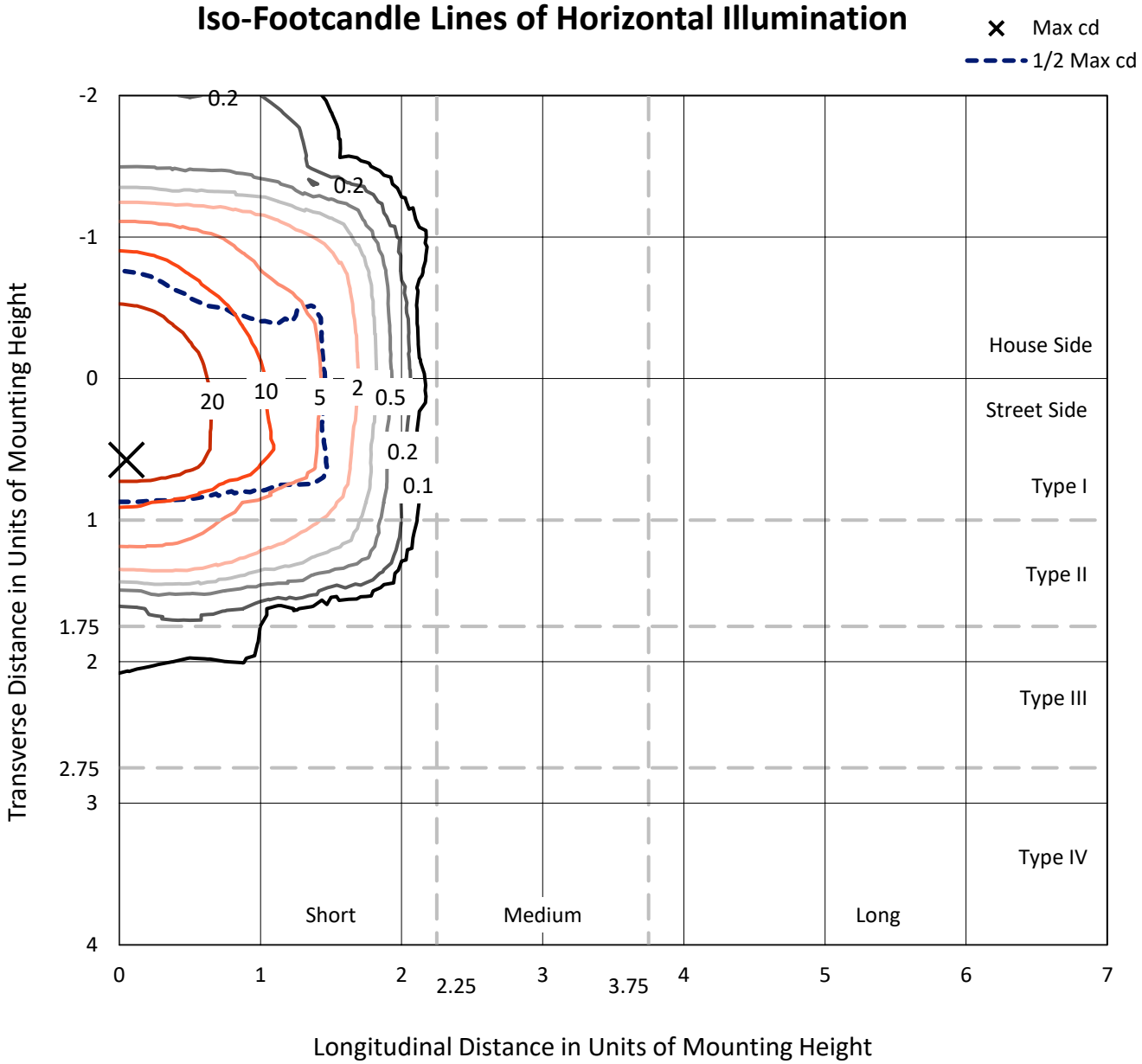
REPORT NUMBER: P980935
CATALOG NUMBER: NFFLD-C55-7022-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 38.9 fc
Type I - Short - N/A

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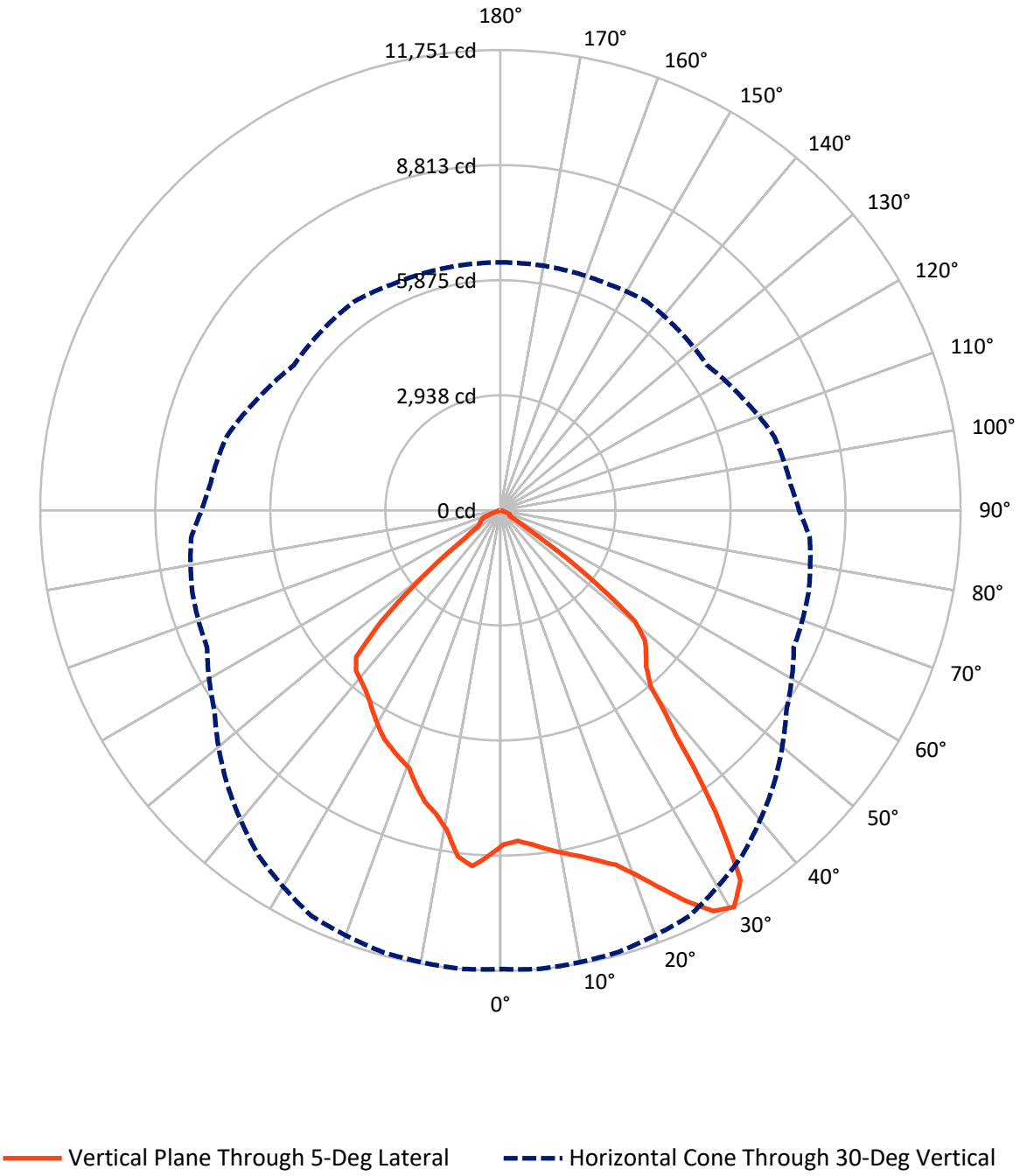
Luminous Intensity Polar Plot



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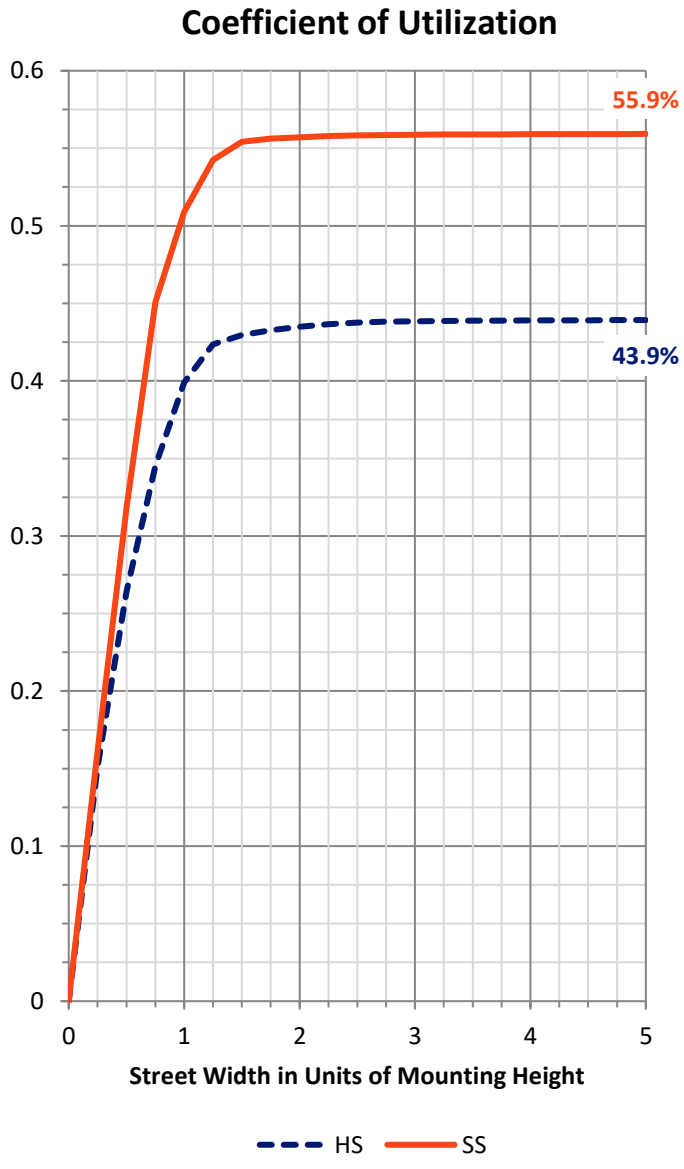
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9245.2	0.0	9245.2
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	11657.8	0.0	11657.8
	% Fixture	55.8	0.0	55.8
Total	Lumens	20902.9	0.0	20902.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.6	4.0
10°-20°	2417.8	11.6
20°-30°	3852.9	18.4
30°-40°	4816.7	23.0
40°-50°	4726.8	22.6
50°-60°	3379.4	16.2
60°-70°	747.7	3.6
70°-80°	114.9	0.5
80°-90°	12.1	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°	20902.9	100.0
0°-180°	20902.9	100.0



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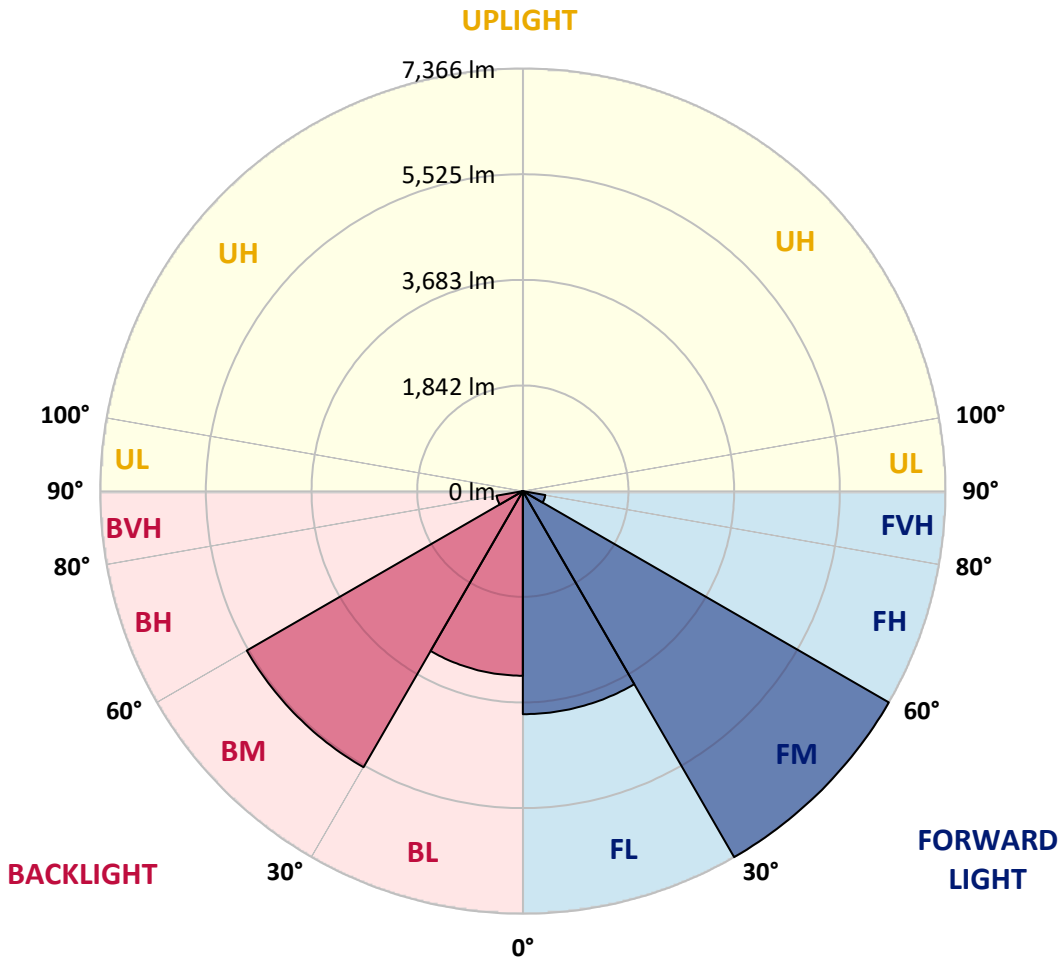
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3887.8	18.6			
FM	(30°-60°)	7366.2	35.2			
FH	(60°-80°)	397.7	1.9			G0/660
FVH	(80°-90°)	6.1	0.0			G0/10
BL	(0°-30°)	3217.5	15.4	B4/5000		
BM	(30°-60°)	5556.8	26.6	B4/8500		
BH	(60°-80°)	464.9	2.2	B1/500		G1/500
BVH	(80°-90°)	6.0	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°	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9
2.5°	8436.4	8450.0	8463.7	8484.1	8511.4	8525.0	8511.4	8497.8	8490.9	8504.6	8511.4
5°	8552.3	8572.8	8579.6	8593.2	8606.9	8593.2	8586.4	8572.8	8566.0	8572.8	8593.2
7.5°	8722.8	8736.5	8729.6	8722.8	8716.0	8668.3	8620.5	8600.1	8600.1	8620.5	8675.1
10°	8872.9	8900.1	8866.0	8838.8	8791.0	8716.0	8634.2	8586.4	8600.1	8641.0	8709.2
12.5°	9063.8	9063.8	9029.7	9002.4	8893.3	8804.7	8695.5	8620.5	8620.5	8695.5	8770.6
15°	9295.7	9275.2	9261.6	9186.6	9057.0	8913.8	8777.4	8668.3	8647.8	8763.7	8811.5
17.5°	9589.0	9513.9	9479.8	9350.3	9172.9	8988.8	8804.7	8716.0	8654.6	8777.4	8722.8
20°	9991.3	9936.8	9827.7	9623.1	9261.6	9022.9	8804.7	8688.7	8641.0	8709.2	8654.6
22.5°	10509.7	10475.6	10230.0	9970.9	9493.5	9050.2	8770.6	8613.7	8600.1	8566.0	8450.0
25°	11143.9	11055.3	10802.9	10434.6	9841.3	9316.2	8763.7	8477.3	8429.6	8340.9	8136.3
27.5°	11682.7	11587.2	11280.3	10953.0	10318.7	9711.7	8818.3	8313.6	8259.1	8197.7	7945.3
30°	11710.0	11750.9	11669.1	11423.6	10762.0	9875.4	8913.8	8265.9	8143.1	7924.9	7624.8
32.5°	11157.6	11253.1	11450.8	11539.5	11096.2	10073.2	8995.6	8286.3	8061.3	7536.1	7290.6
35°	9268.4	9459.4	10271.0	11034.8	11191.7	10359.6	9063.8	8286.3	8034.0	7256.5	7065.6
37.5°	7120.1	7277.0	7965.8	9350.3	10768.8	10537.0	9213.9	8238.6	7999.9	7277.0	7017.8
40°	5817.5	5906.1	6206.2	7147.4	9282.1	10243.7	9363.9	8293.2	7897.6	7290.6	7045.1
42.5°	5462.8	5456.0	5394.6	5742.5	7079.2	9384.4	9466.2	8429.6	7727.1	7202.0	6997.4
45°	5224.1	5210.5	5155.9	5224.1	5599.2	7679.4	9391.2	8675.1	7515.7	6888.2	6751.8
47.5°	4965.0	4971.8	4951.3	4978.6	4910.4	5831.1	8968.3	8777.4	7154.2	6363.1	6315.4
50°	4344.4	4446.7	4719.5	4746.7	4569.4	4705.8	7679.4	8729.6	6895.1	6213.0	6172.1
52.5°	2700.7	2864.4	3669.2	4351.2	4248.9	4248.9	5858.4	8797.8	6431.3	6158.5	6185.8
55°	954.8	1077.6	1964.2	2994.0	3805.6	3880.6	4630.8	7829.4	6376.7	6254.0	6281.3
57.5°	238.7	293.3	600.2	1295.8	2564.3	3519.1	4139.8	6465.4	4842.2	4671.7	4739.9
60°	279.6	272.8	375.1	416.0	995.7	2782.6	3730.6	4364.8	3123.6	2925.8	2959.9
62.5°	300.1	279.6	293.3	368.3	163.7	1364.0	2973.5	2598.4	1289.0	954.8	1009.4
65°	266.0	252.3	231.9	341.0	115.9	252.3	1752.7	763.8	184.1	293.3	266.0
67.5°	177.3	184.1	191.0	272.8	109.1	109.1	231.9	191.0	129.6	266.0	231.9
70°	102.3	109.1	129.6	163.7	109.1	88.7	102.3	156.9	109.1	266.0	231.9
72.5°	61.4	61.4	61.4	68.2	109.1	75.0	68.2	129.6	95.5	245.5	231.9
75°	47.7	47.7	47.7	40.9	95.5	47.7	47.7	102.3	81.8	177.3	177.3
77.5°	40.9	40.9	40.9	34.1	54.6	40.9	40.9	75.0	75.0	88.7	102.3
80°	27.3	27.3	27.3	27.3	34.1	34.1	27.3	40.9	34.1	40.9	47.7
82.5°	13.6	20.5	20.5	13.6	20.5	20.5	20.5	27.3	20.5	27.3	27.3
85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.6	6.8	6.8	13.6
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: P980935
CATALOG NUMBER: NFFLD-C55-7022-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9	8531.9
2.5°	8525.0	8559.1	8606.9	8681.9	8709.2	8756.9	8797.8	8831.9	8831.9	8818.3
5°	8634.2	8729.6	8859.2	8975.2	9016.1	9063.8	9084.3	9118.4	9111.6	9104.7
7.5°	8729.6	8879.7	9016.1	9097.9	9084.3	9022.9	8982.0	8927.4	8907.0	8920.6
10°	8804.7	8941.1	9002.4	8947.9	8784.2	8641.0	8456.8	8334.1	8272.7	8293.2
12.5°	8831.9	8879.7	8825.1	8525.0	8320.4	8184.0	8034.0	7952.2	7918.1	7924.9
15°	8838.8	8729.6	8429.6	8204.5	8054.5	7884.0	7761.2	7686.2	7686.2	7693.0
17.5°	8695.5	8429.6	8170.4	7999.9	7788.5	7611.2	7543.0	7515.7	7345.2	7372.5
20°	8566.0	8184.0	8040.8	7774.8	7522.5	7406.6	7011.0	6970.1	6976.9	6983.7
22.5°	8293.2	8006.7	7877.1	7529.3	7242.9	6922.3	6867.8	6826.9	6833.7	6833.7
25°	7918.1	7754.4	7577.1	7215.6	6867.8	6806.4	6765.5	6710.9	6683.6	6690.5
27.5°	7706.6	7502.0	7174.7	6867.8	6642.7	6670.0	6622.3	6540.4	6540.4	6547.2
30°	*7440.7*	*7242.9*	*6806.4*	*6444.9*	*6465.4*	*6506.3*	*6390.4*	*6349.5*	*6329.0*	*6329.0*
32.5°	7113.3	6840.5	6458.6	6117.6	6240.3	6226.7	6083.5	6097.1	6110.7	6097.1
35°	6867.8	6513.1	6192.6	6008.4	5960.7	5906.1	5831.1	5878.9	5899.3	5885.7
37.5°	6806.4	6383.6	6049.4	5919.8	5735.6	5633.3	5653.8	5701.5	5728.8	5722.0
40°	6785.9	6254.0	5926.6	5790.2	5544.7	5456.0	5483.3	5578.8	5612.9	5606.1
42.5°	6758.7	6165.3	5851.6	5687.9	5346.9	5285.5	5415.1	5503.8	5510.6	5503.8
45°	6615.4	6069.8	5803.8	5476.5	5046.8	5121.8	5285.5	5333.3	5251.4	5217.3
47.5°	6281.3	5892.5	5660.6	5217.3	4801.3	4944.5	4965.0	4446.7	4146.6	4078.4
50°	6185.8	5899.3	5496.9	4910.4	4651.3	4794.5	3901.1	2980.4	2605.3	2530.2
52.5°	6158.5	5831.1	5558.3	4589.9	4596.7	4044.3	2462.0	1459.5	1173.0	1118.5
55°	6226.7	6131.2	5660.6	4398.9	4276.2	2632.5	1145.8	688.8	709.3	688.8
57.5°	4699.0	5128.7	5783.4	4098.8	3123.6	1268.5	722.9	668.4	620.6	607.0
60°	2932.6	3341.8	4235.2	3526.0	1602.7	757.0	736.6	620.6	600.2	593.3
62.5°	968.4	1486.8	2427.9	2318.8	443.3	750.2	743.4	552.4	552.4	552.4
65°	245.5	252.3	668.4	797.9	327.4	668.4	709.3	518.3	504.7	525.1
67.5°	211.4	191.0	354.6	313.7	272.8	463.8	620.6	497.9	470.6	470.6
70°	211.4	225.1	347.8	293.3	170.5	252.3	450.1	306.9	272.8	252.3
72.5°	197.8	218.2	306.9	266.0	115.9	122.8	197.8	102.3	95.5	81.8
75°	170.5	177.3	238.7	238.7	122.8	61.4	81.8	68.2	68.2	61.4
77.5°	115.9	88.7	136.4	170.5	88.7	40.9	34.1	34.1	34.1	27.3
80°	61.4	34.1	34.1	27.3	34.1	34.1	20.5	27.3	27.3	20.5
82.5°	34.1	20.5	20.5	13.6	13.6	20.5	13.6	13.6	13.6	13.6
85°	13.6	13.6	6.8	6.8	6.8	13.6	6.8	6.8	6.8	6.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	6.8
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: SP1-2501-319-8

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

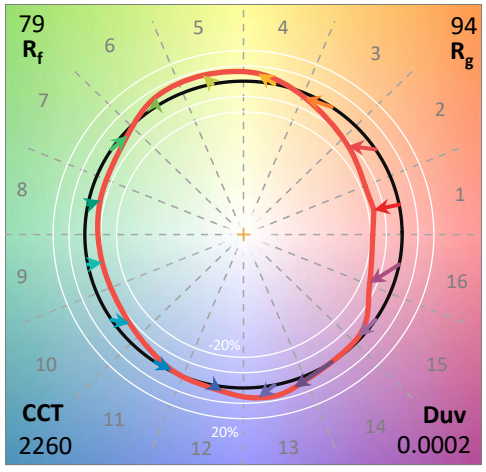
Test Information

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

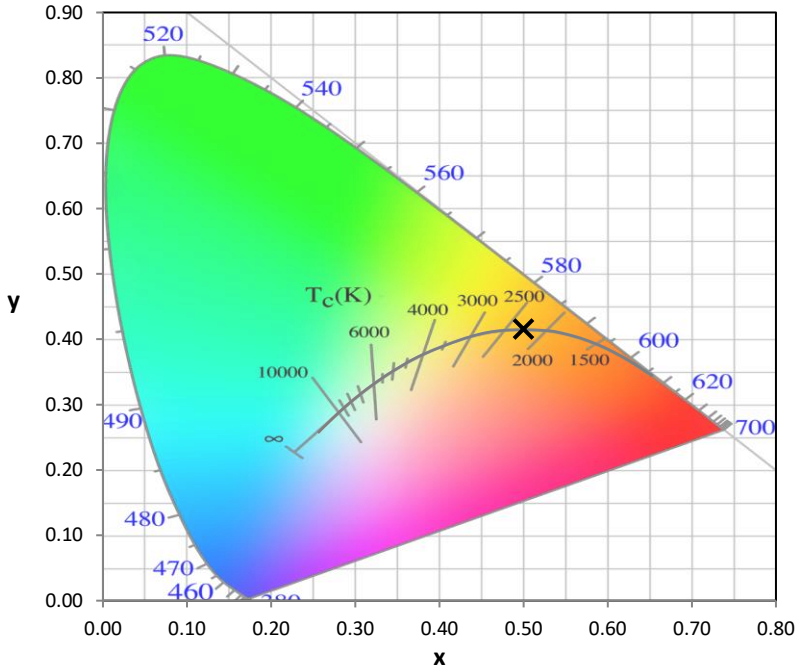
Stabilization Time:	59M
Operation Time:	1H 59M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-8

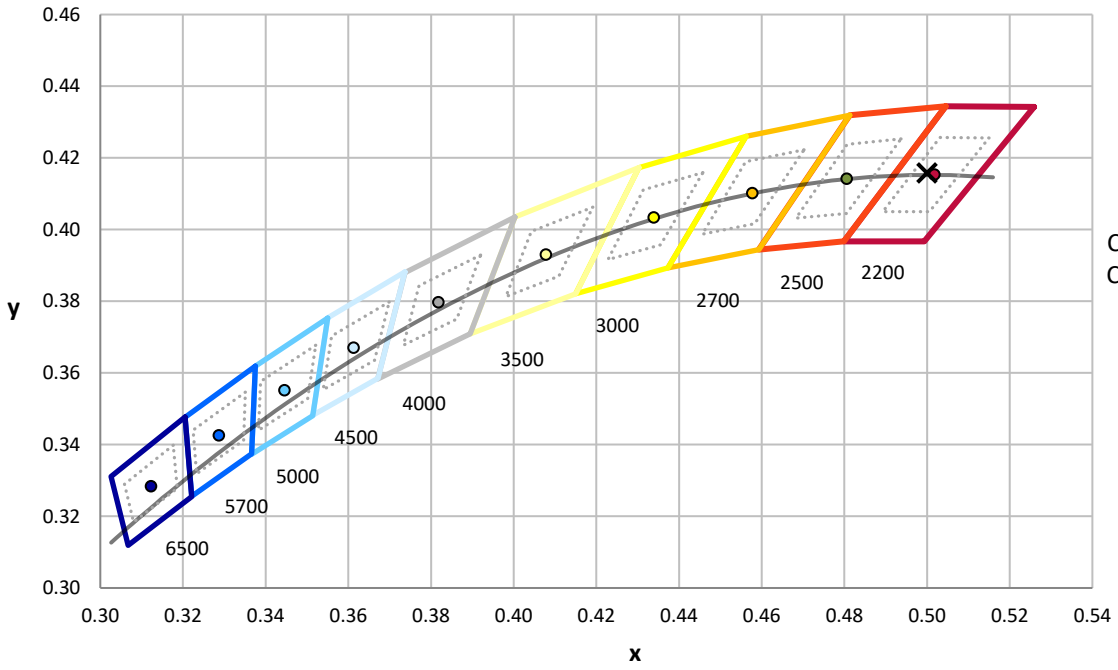
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

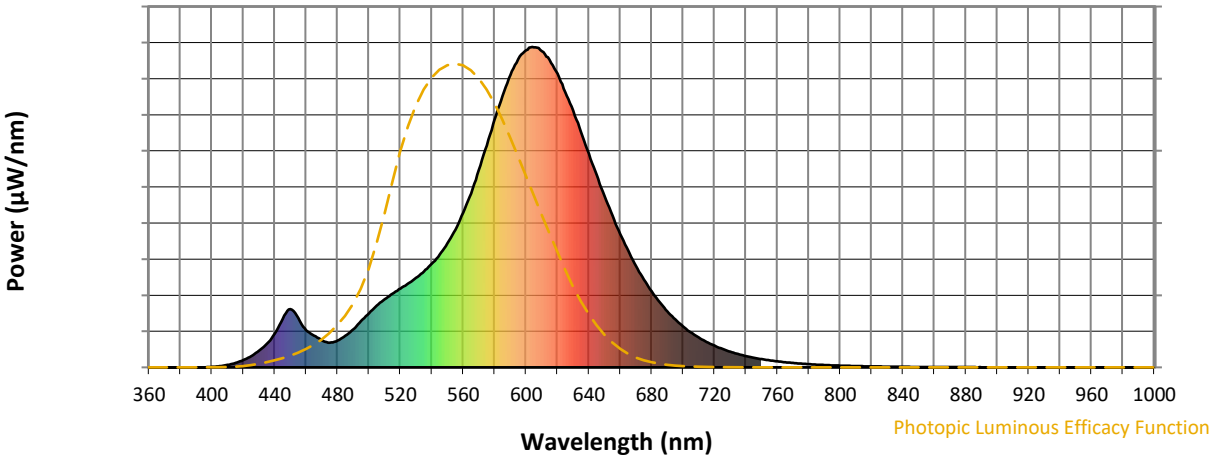


CCT = 2260K
CIE x = 0.5000
CIE y = 0.4158
Duv = 0.0002

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-8

Photopic Flux vs. Wavelength

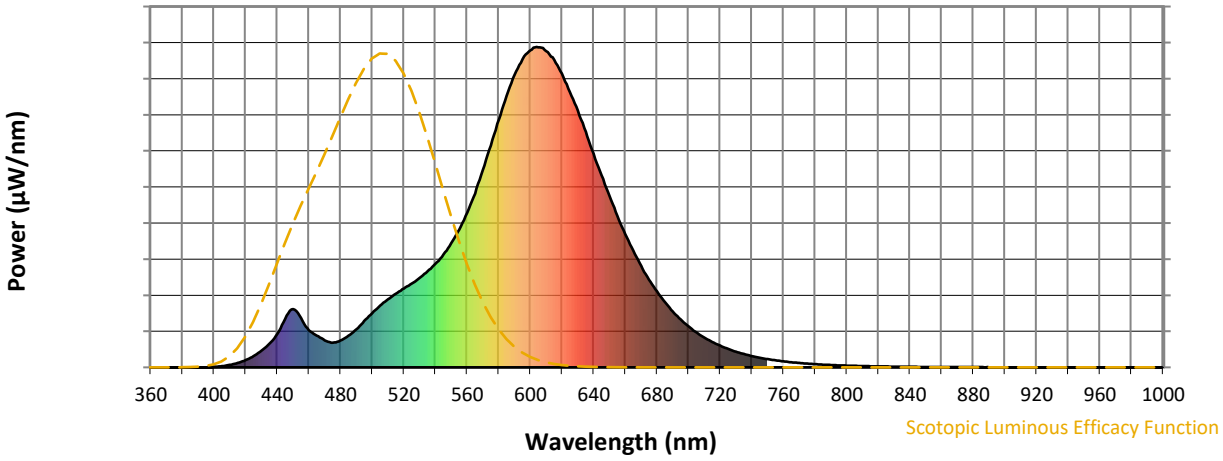


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2501-319-8

Scotopic Flux vs. Wavelength

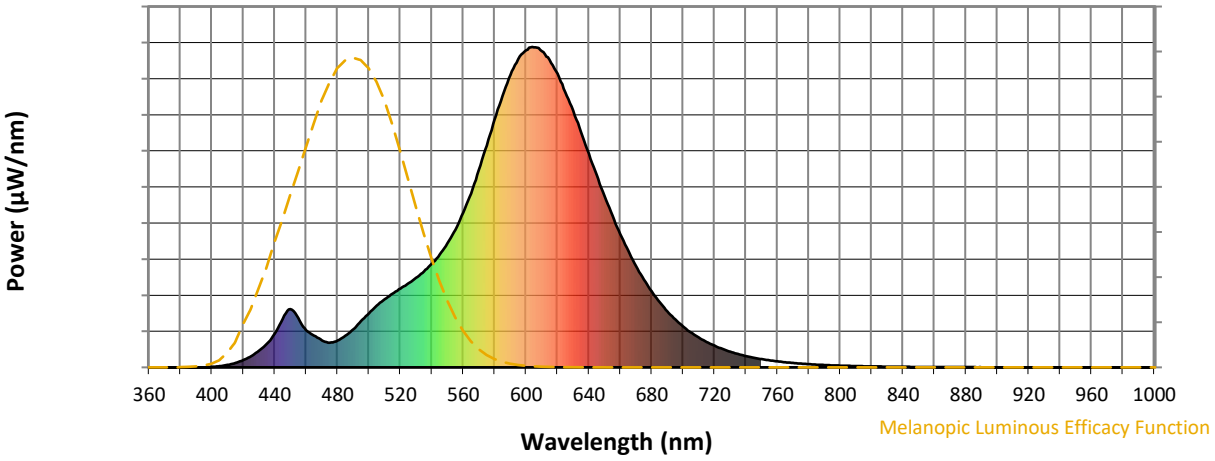


Scotopic Lumens: NR **S/P: 0.95**

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			

REPORT NUMBER: SP1-2501-319-8

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			

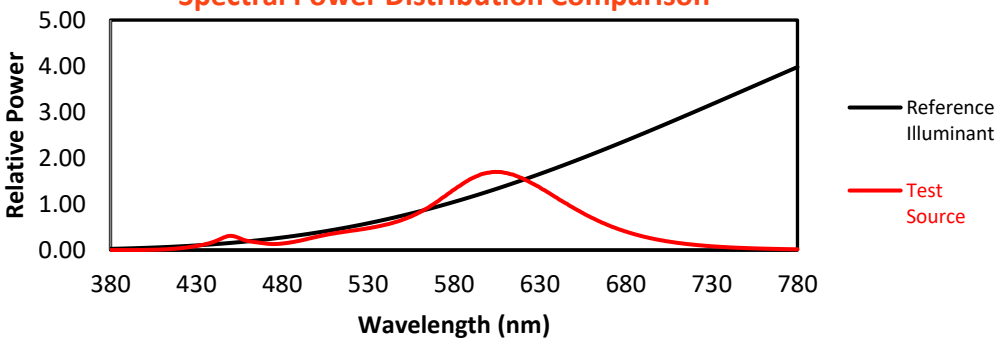
REPORT NUMBER: SP1-2501-319-8

TM-30-18

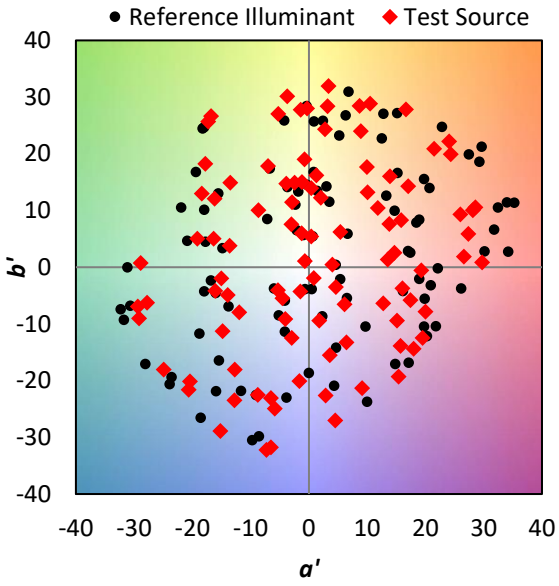
Summary

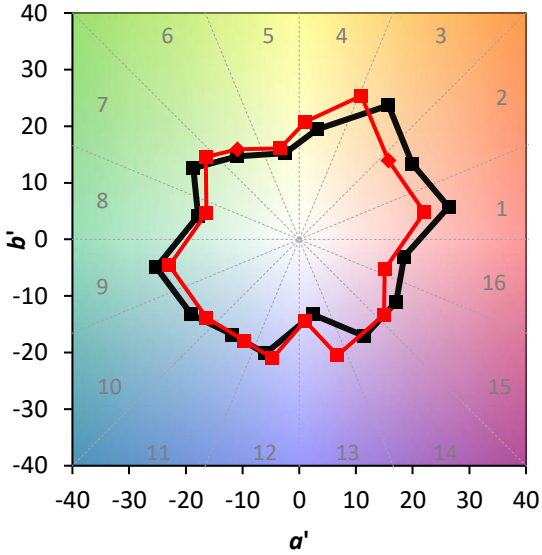
R_f = 78.7
R_g = 93.7
CIE R_a = 72.8
R_9 = -28.5

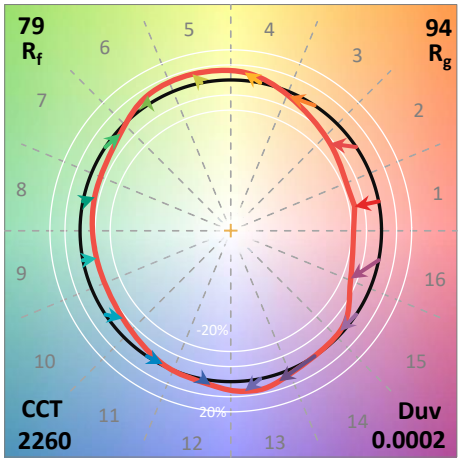
Spectral Power Distribution Comparison

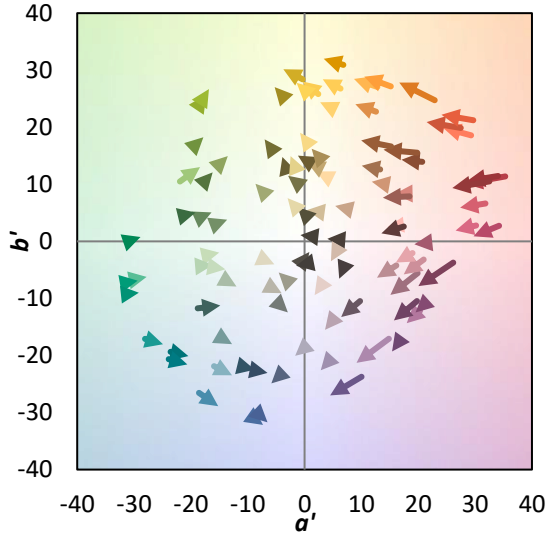


Color Vector Graphics







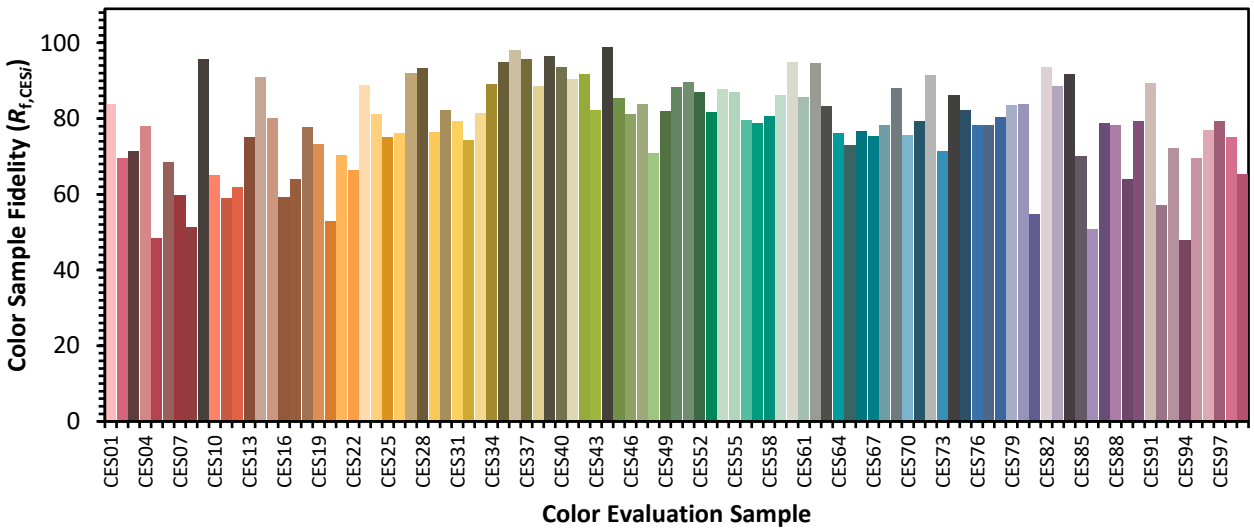


REPORT NUMBER: SP1-2501-319-8

TM-30-18

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

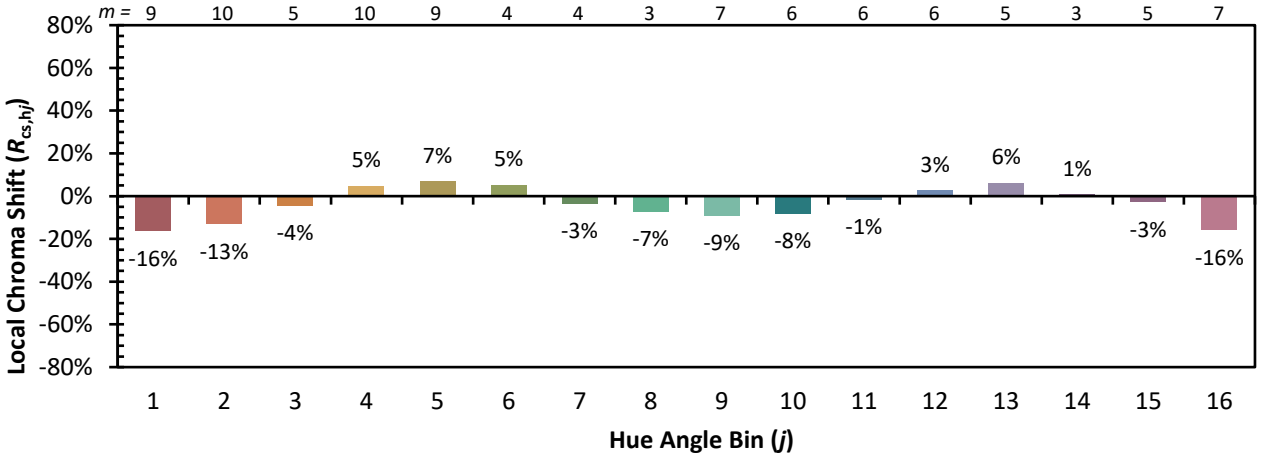
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 78
CES02 = 65	CES27 = 92	CES52 = 87	CES77 = 78
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 80
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 84
CES05 = 51	CES30 = 82	CES55 = 87	CES80 = 84
CES06 = 52	CES31 = 79	CES56 = 80	CES81 = 55
CES07 = 44	CES32 = 74	CES57 = 79	CES82 = 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	

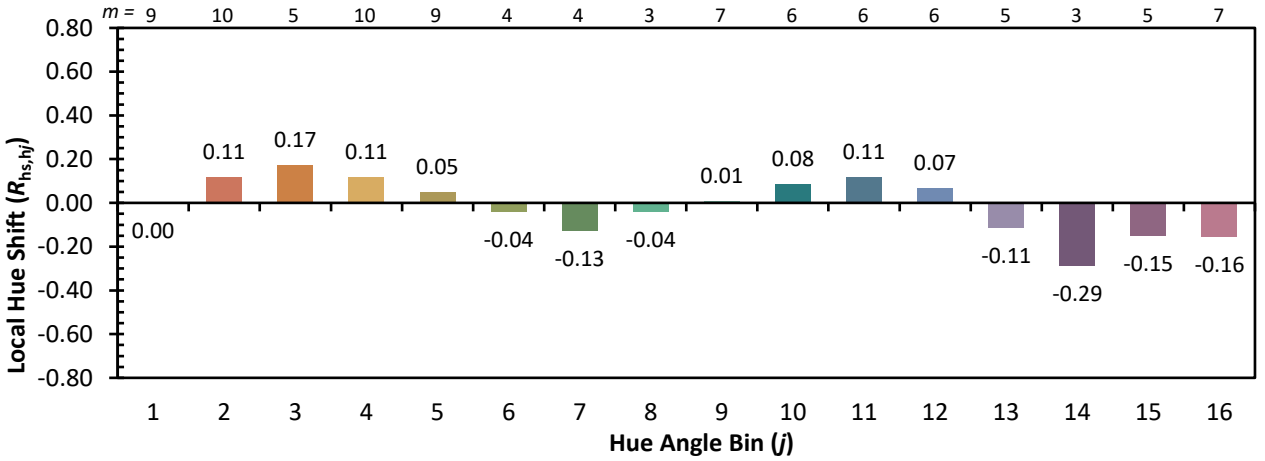


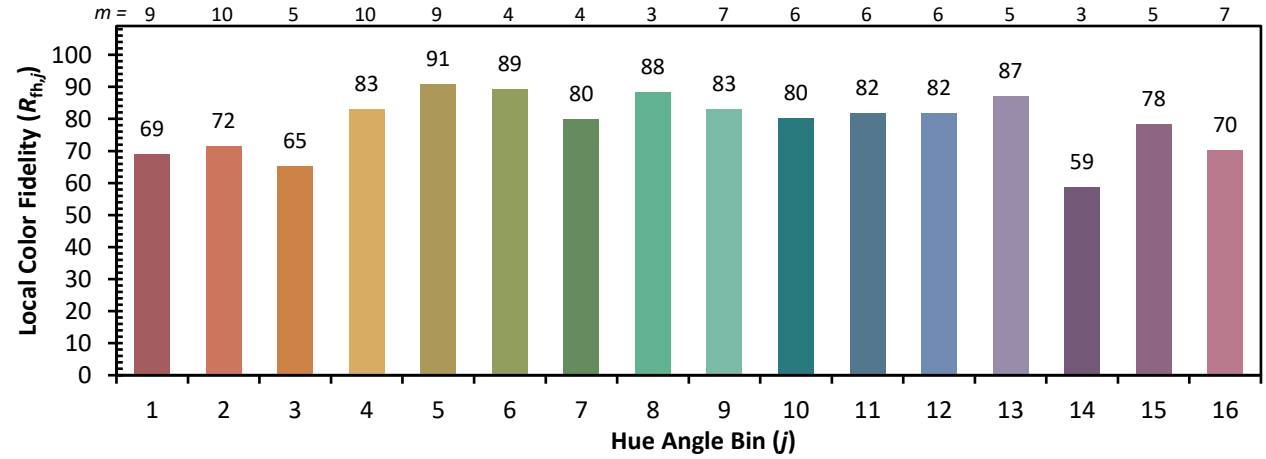
REPORT NUMBER: SP1-2501-319-8

TM-30-18

Color Rendition by Hue-Angle Bin



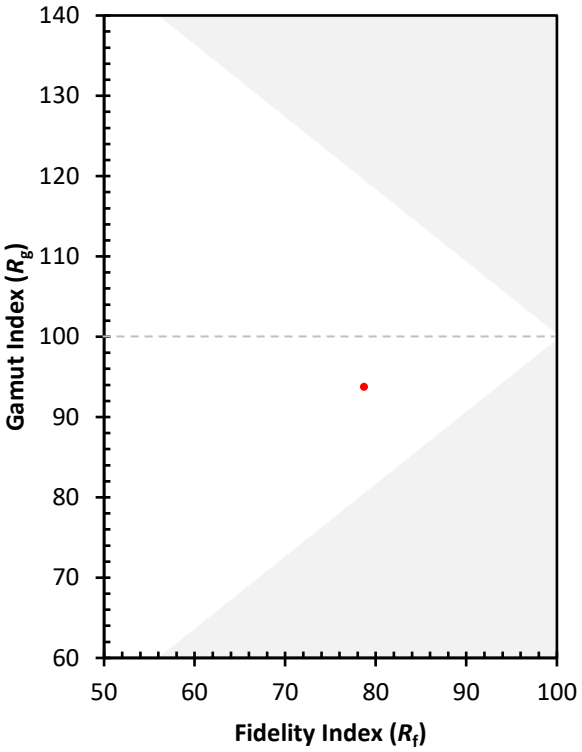


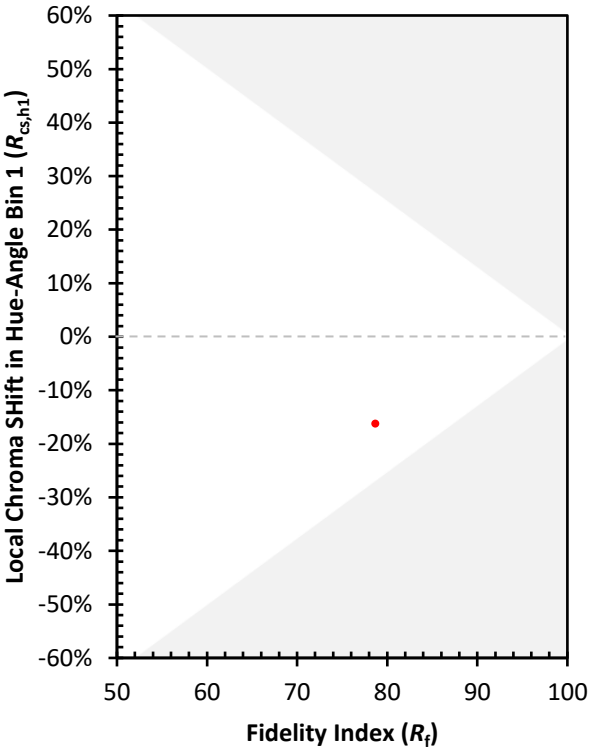


REPORT NUMBER: SP1-2501-319-8

TM-30-18

Measure Comparisons





(END OF REPORT)