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: P980944

Luminaire Tested: **NFFLD-C25-7027-66**

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:	P980944
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C25-7027-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 80W 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:	10615.8 lumens
Efficiency:	N/A
Efficacy:	126.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G1

Input Watts (W):	84.1
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.59%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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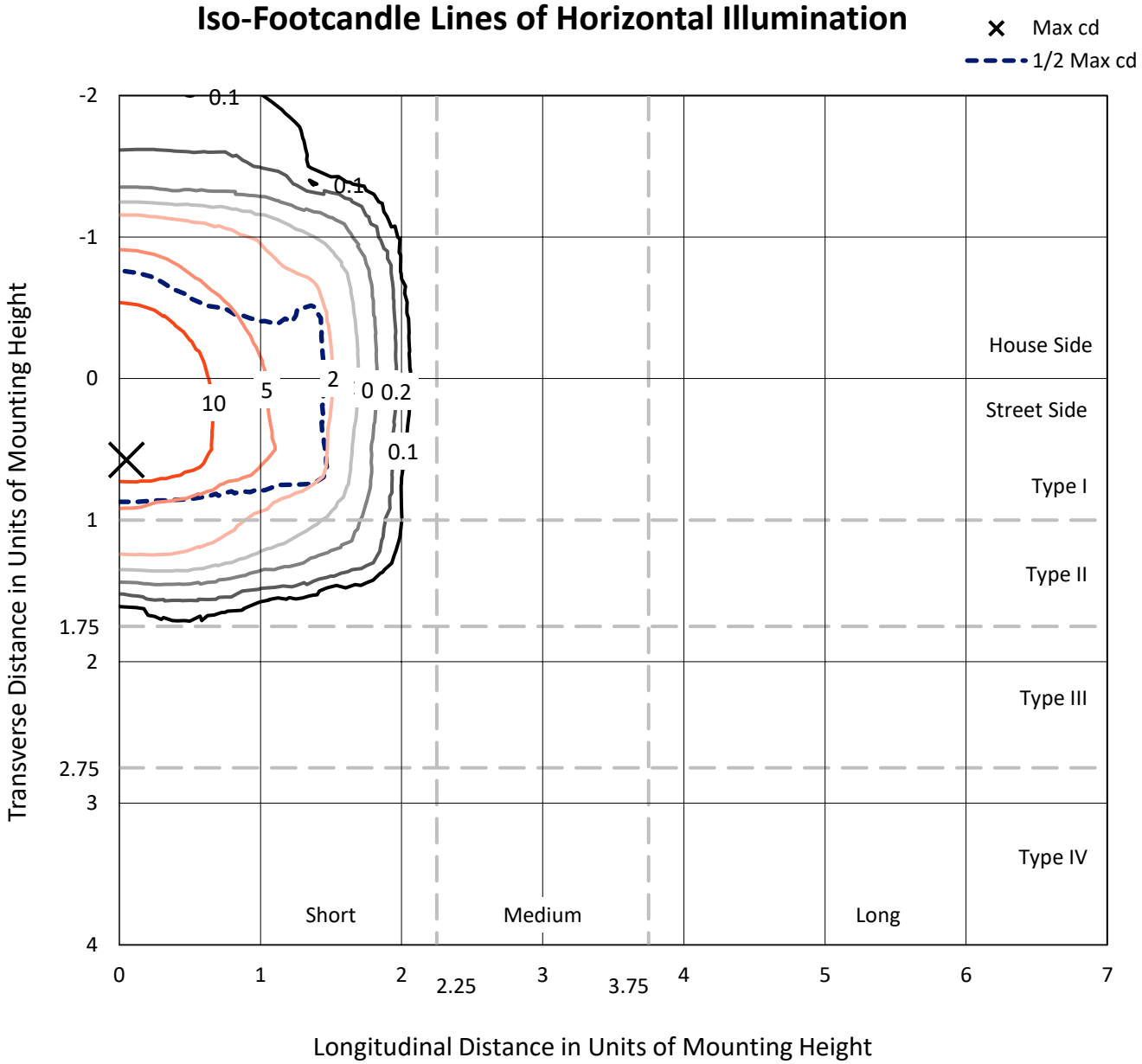
REPORT NUMBER: P980944
CATALOG NUMBER: NFFLD-C25-7027-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 19.7 fc
Type I - Short - N/A

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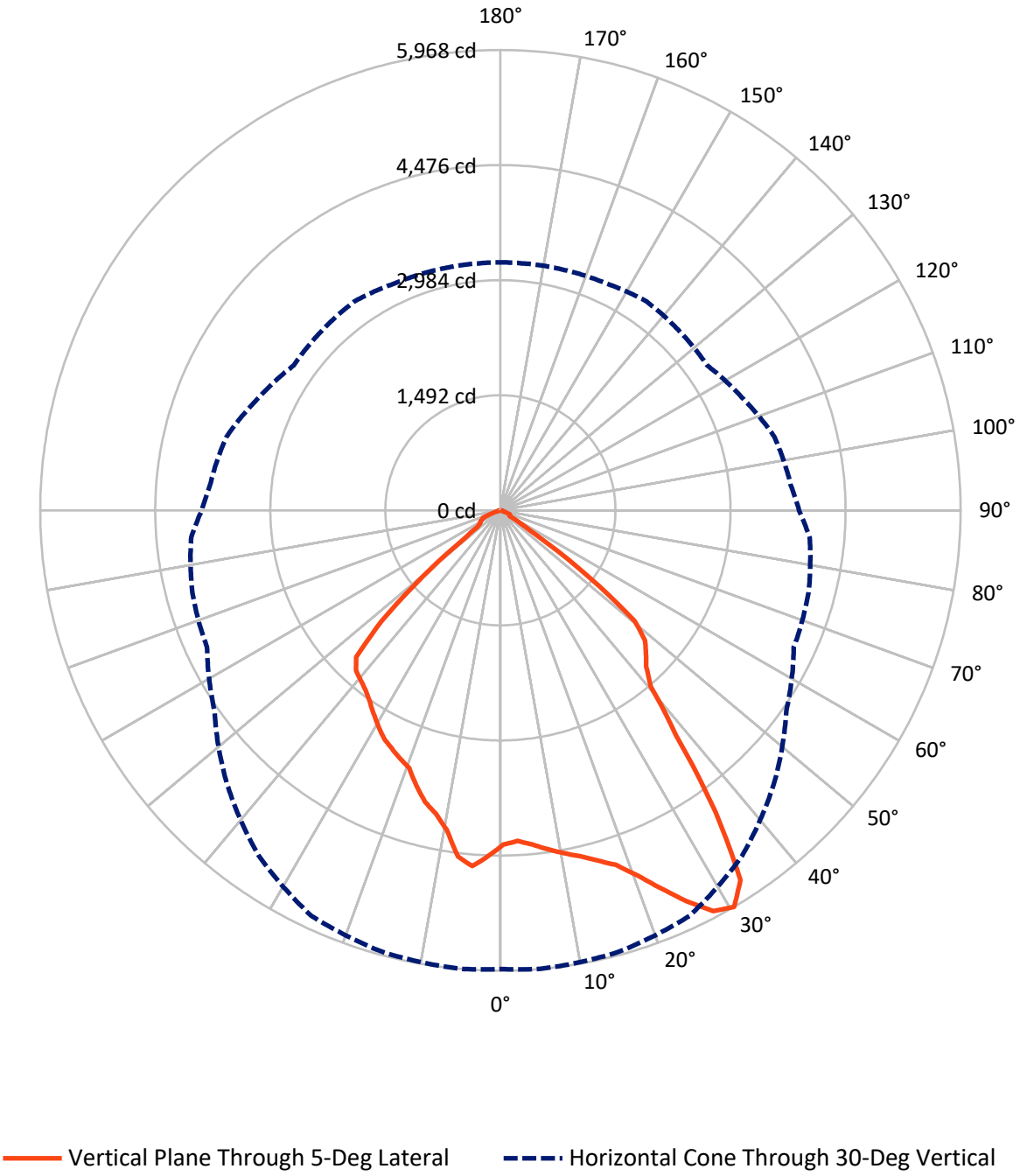
Luminous Intensity Polar Plot



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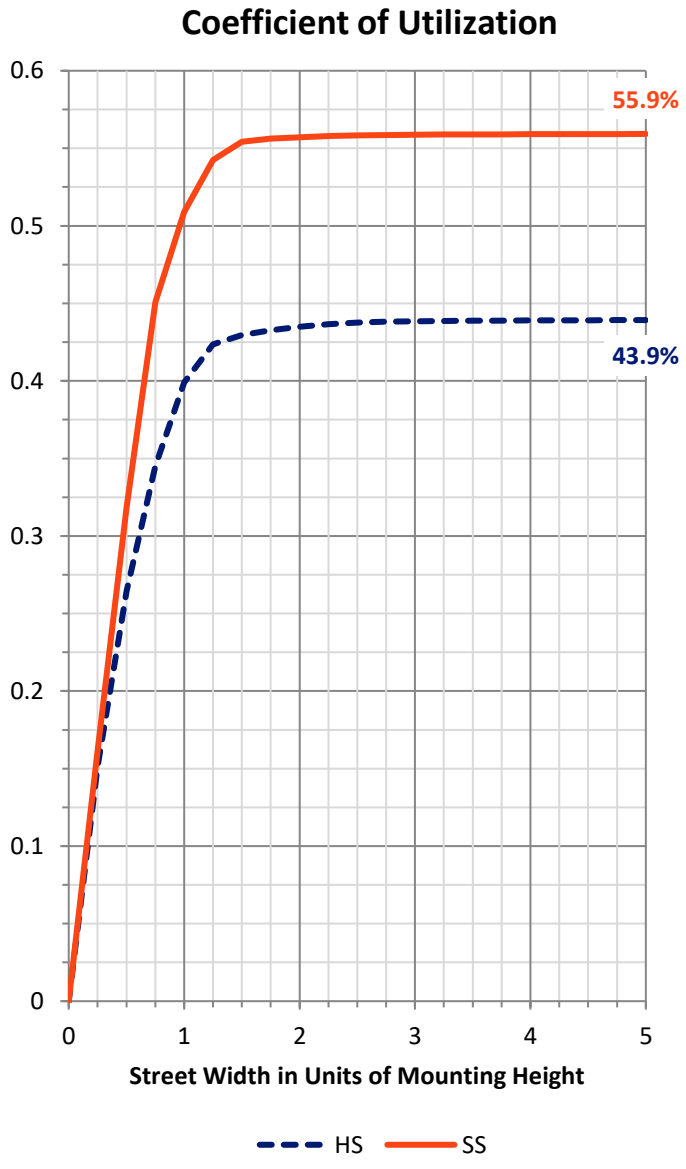
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4695.3	0.0	4695.3
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	5920.6	0.0	5920.6
	% Fixture	55.8	0.0	55.8
Total	Lumens	10615.8	0.0	10615.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.9	4.0
10°-20°	1227.9	11.6
20°-30°	1956.7	18.4
30°-40°	2446.2	23.0
40°-50°	2400.6	22.6
50°-60°	1716.3	16.2
60°-70°	379.7	3.6
70°-80°	58.3	0.5
80°-90°	6.2	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°	10615.8	100.0
0°-180°	10615.8	100.0



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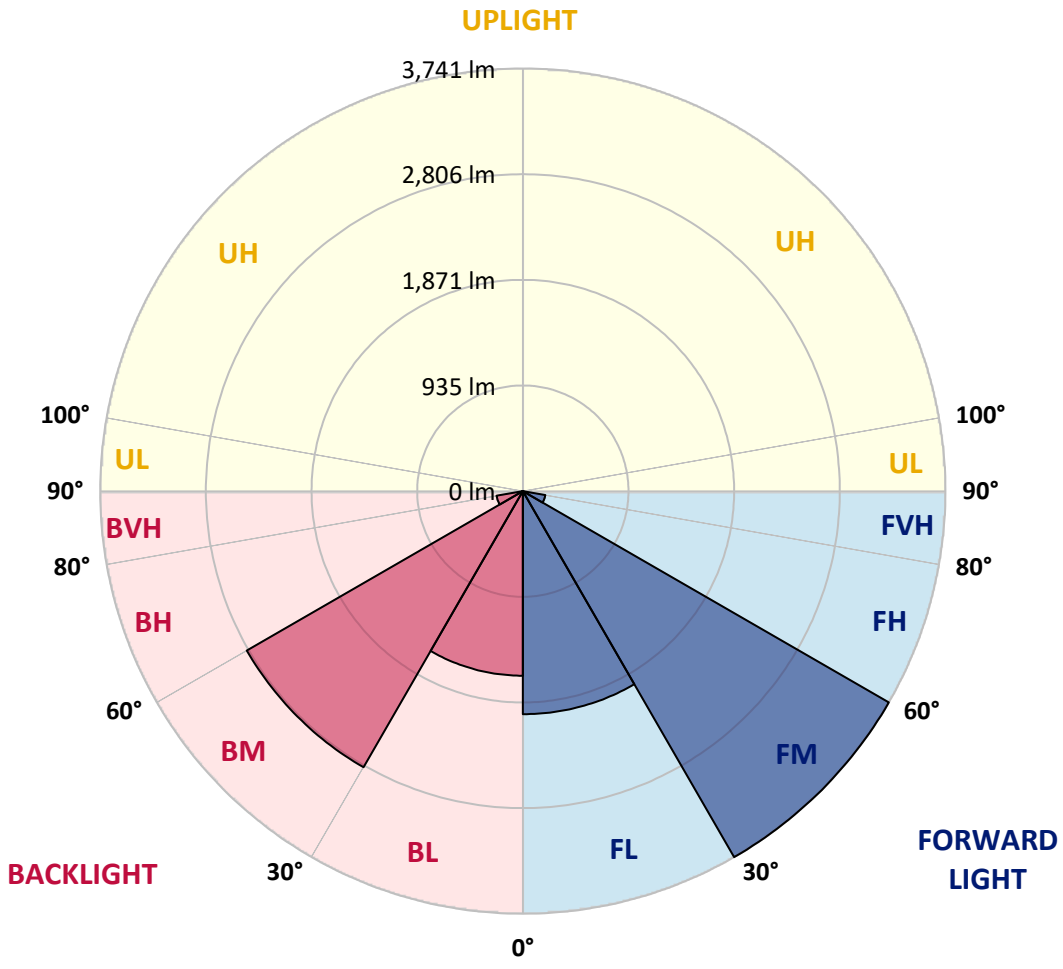
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1974.4	18.6			
FM	(30°-60°)	3741.0	35.2			
FH	(60°-80°)	202.0	1.9			G0/660
FVH	(80°-90°)	3.1	0.0			G0/10
BL	(0°-30°)	1634.0	15.4	B3/2500		
BM	(30°-60°)	2822.1	26.6	B3/5000		
BH	(60°-80°)	236.1	2.2	B1/500		G1/500
BVH	(80°-90°)	3.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
Type I Short



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REPORT NUMBER: P980944
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0
2.5°	4284.5	4291.5	4298.4	4308.8	4322.6	4329.6	4322.6	4315.7	4312.2	4319.2	4322.6
5°	4343.4	4353.8	4357.3	4364.2	4371.1	4364.2	4360.7	4353.8	4350.3	4353.8	4364.2
7.5°	4430.0	4436.9	4433.5	4430.0	4426.5	4402.3	4378.0	4367.7	4367.7	4378.0	4405.8
10°	4506.2	4520.1	4502.7	4488.9	4464.6	4426.5	4385.0	4360.7	4367.7	4388.4	4423.1
12.5°	4603.2	4603.2	4585.9	4572.0	4516.6	4471.6	4416.1	4378.0	4378.0	4416.1	4454.2
15°	4720.9	4710.6	4703.6	4665.5	4599.7	4527.0	4457.7	4402.3	4391.9	4450.8	4475.0
17.5°	4869.9	4831.8	4814.5	4748.7	4658.6	4565.1	4471.6	4426.5	4395.4	4457.7	4430.0
20°	5074.2	5046.5	4991.1	4887.2	4703.6	4582.4	4471.6	4412.7	4388.4	4423.1	4395.4
22.5°	5337.5	5320.2	5195.5	5063.8	4821.4	4596.3	4454.2	4374.6	4367.7	4350.3	4291.5
25°	5659.6	5614.6	5486.4	5299.4	4998.0	4731.3	4450.8	4305.3	4281.1	4236.0	4132.1
27.5°	5933.2	5884.7	5728.9	5562.6	5240.5	4932.2	4478.5	4222.2	4194.5	4163.3	4035.1
30°	5947.1	5967.9	5926.3	5801.6	5465.6	5015.4	4527.0	4197.9	4135.6	4024.8	3872.4
32.5°	5666.5	5715.0	5815.5	5860.5	5635.3	5115.8	4568.5	4208.3	4094.0	3827.3	3702.6
35°	4707.1	4804.1	5216.2	5604.2	5683.8	5261.3	4603.2	4208.3	4080.2	3685.3	3588.3
37.5°	3616.0	3695.7	4045.5	4748.7	5469.1	5351.3	4679.4	4184.1	4062.9	3695.7	3564.1
40°	2954.5	2999.5	3151.9	3629.9	4714.0	5202.4	4755.6	4211.8	4010.9	3702.6	3577.9
42.5°	2774.4	2770.9	2739.7	2916.4	3595.3	4766.0	4807.5	4281.1	3924.3	3657.6	3553.7
45°	2653.1	2646.2	2618.5	2653.1	2843.6	3900.1	4769.4	4405.8	3816.9	3498.3	3429.0
47.5°	2521.5	2525.0	2514.6	2528.5	2493.8	2961.4	4554.7	4457.7	3633.4	3231.6	3207.3
50°	2206.3	2258.3	2396.8	2410.7	2320.6	2389.9	3900.1	4433.5	3501.7	3155.4	3134.6
52.5°	1371.6	1454.7	1863.4	2209.8	2157.8	2157.8	2975.3	4468.1	3266.2	3127.7	3141.5
55°	484.9	547.3	997.5	1520.5	1932.7	1970.8	2351.8	3976.3	3238.5	3176.2	3190.0
57.5°	121.2	148.9	304.8	658.1	1302.3	1787.2	2102.4	3283.5	2459.2	2372.6	2407.2
60°	142.0	138.5	190.5	211.3	505.7	1413.2	1894.6	2216.7	1586.3	1485.9	1503.2
62.5°	152.4	142.0	148.9	187.0	83.1	692.7	1510.1	1319.6	654.6	484.9	512.6
65°	135.1	128.2	117.8	173.2	58.9	128.2	890.2	387.9	93.5	148.9	135.1
67.5°	90.1	93.5	97.0	138.5	55.4	55.4	117.8	97.0	65.8	135.1	117.8
70°	52.0	55.4	65.8	83.1	55.4	45.0	52.0	79.7	55.4	135.1	117.8
72.5°	31.2	31.2	31.2	34.6	55.4	38.1	34.6	65.8	48.5	124.7	117.8
75°	24.2	24.2	24.2	20.8	48.5	24.2	24.2	52.0	41.6	90.1	90.1
77.5°	20.8	20.8	20.8	17.3	27.7	20.8	20.8	38.1	38.1	45.0	52.0
80°	13.9	13.9	13.9	13.9	17.3	17.3	13.9	20.8	17.3	20.8	24.2
82.5°	6.9	10.4	10.4	6.9	10.4	10.4	10.4	13.9	10.4	13.9	13.9
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	6.9	3.5	3.5	6.9
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

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CATALOG NUMBER: NFFLD-C25-7027-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0	4333.0
2.5°	4329.6	4346.9	4371.1	4409.2	4423.1	4447.3	4468.1	4485.4	4485.4	4478.5
5°	4385.0	4433.5	4499.3	4558.2	4578.9	4603.2	4613.6	4630.9	4627.4	4624.0
7.5°	4433.5	4509.7	4578.9	4620.5	4613.6	4582.4	4561.6	4533.9	4523.5	4530.4
10°	4471.6	4540.8	4572.0	4544.3	4461.2	4388.4	4294.9	4232.6	4201.4	4211.8
12.5°	4485.4	4509.7	4482.0	4329.6	4225.6	4156.4	4080.2	4038.6	4021.3	4024.8
15°	4488.9	4433.5	4281.1	4166.8	4090.6	4004.0	3941.6	3903.5	3903.5	3907.0
17.5°	4416.1	4281.1	4149.4	4062.9	3955.5	3865.4	3830.8	3816.9	3730.3	3744.2
20°	4350.3	4156.4	4083.6	3948.6	3820.4	3761.5	3560.6	3539.8	3543.3	3546.8
22.5°	4211.8	4066.3	4000.5	3823.9	3678.4	3515.6	3487.9	3467.1	3470.6	3470.6
25°	4021.3	3938.2	3848.1	3664.5	3487.9	3456.7	3435.9	3408.2	3394.4	3397.8
27.5°	3913.9	3810.0	3643.8	3487.9	3373.6	3387.4	3363.2	3321.6	3321.6	3325.1
30°	*3778.8*	*3678.4*	*3456.7*	*3273.1*	*3283.5*	*3304.3*	*3245.4*	*3224.6*	*3214.3*	*3214.3*
32.5°	3612.6	3474.0	3280.1	3106.9	3169.2	3162.3	3089.6	3096.5	3103.4	3096.5
35°	3487.9	3307.8	3145.0	3051.5	3027.2	2999.5	2961.4	2985.7	2996.0	2989.1
37.5°	3456.7	3242.0	3072.2	3006.4	2912.9	2861.0	2871.4	2895.6	2909.5	2906.0
40°	3446.3	3176.2	3009.9	2940.6	2815.9	2770.9	2784.8	2833.3	2850.6	2847.1
42.5°	3432.5	3131.1	2971.8	2888.7	2715.5	2684.3	2750.1	2795.2	2798.6	2795.2
45°	3359.7	3082.6	2947.6	2781.3	2563.1	2601.2	2684.3	2708.6	2667.0	2649.7
47.5°	3190.0	2992.6	2874.8	2649.7	2438.4	2511.1	2521.5	2258.3	2105.9	2071.3
50°	3141.5	2996.0	2791.7	2493.8	2362.2	2434.9	1981.2	1513.6	1323.1	1285.0
52.5°	3127.7	2961.4	2822.9	2331.0	2334.5	2053.9	1250.4	741.2	595.7	568.0
55°	3162.3	3113.8	2874.8	2234.0	2171.7	1337.0	581.9	349.8	360.2	349.8
57.5°	2386.4	2604.7	2937.2	2081.6	1586.3	644.2	367.1	339.4	315.2	308.3
60°	1489.4	1697.2	2150.9	1790.7	814.0	384.5	374.1	315.2	304.8	301.3
62.5°	491.8	755.1	1233.1	1177.6	225.1	381.0	377.5	280.6	280.6	280.6
65°	124.7	128.2	339.4	405.2	166.3	339.4	360.2	263.2	256.3	266.7
67.5°	107.4	97.0	180.1	159.3	138.5	235.5	315.2	252.8	239.0	239.0
70°	107.4	114.3	176.6	148.9	86.6	128.2	228.6	155.9	138.5	128.2
72.5°	100.4	110.8	155.9	135.1	58.9	62.3	100.4	52.0	48.5	41.6
75°	86.6	90.1	121.2	121.2	62.3	31.2	41.6	34.6	34.6	31.2
77.5°	58.9	45.0	69.3	86.6	45.0	20.8	17.3	17.3	17.3	13.9
80°	31.2	17.3	17.3	13.9	17.3	17.3	10.4	13.9	13.9	10.4
82.5°	17.3	10.4	10.4	6.9	6.9	10.4	6.9	6.9	6.9	6.9
85°	6.9	6.9	3.5	3.5	3.5	6.9	3.5	3.5	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5
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

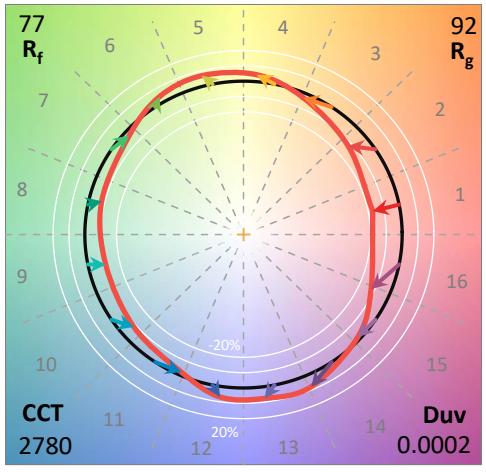
Test Information

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

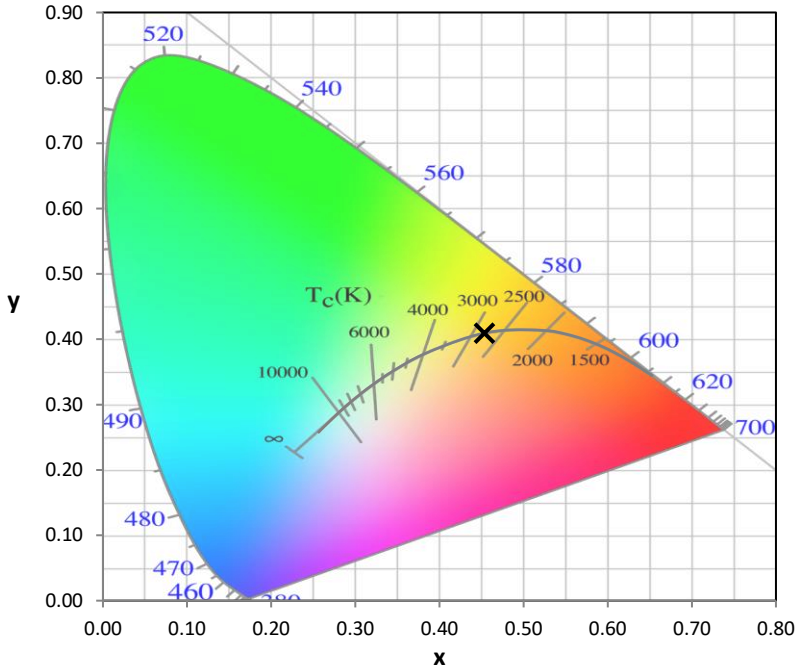
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-9

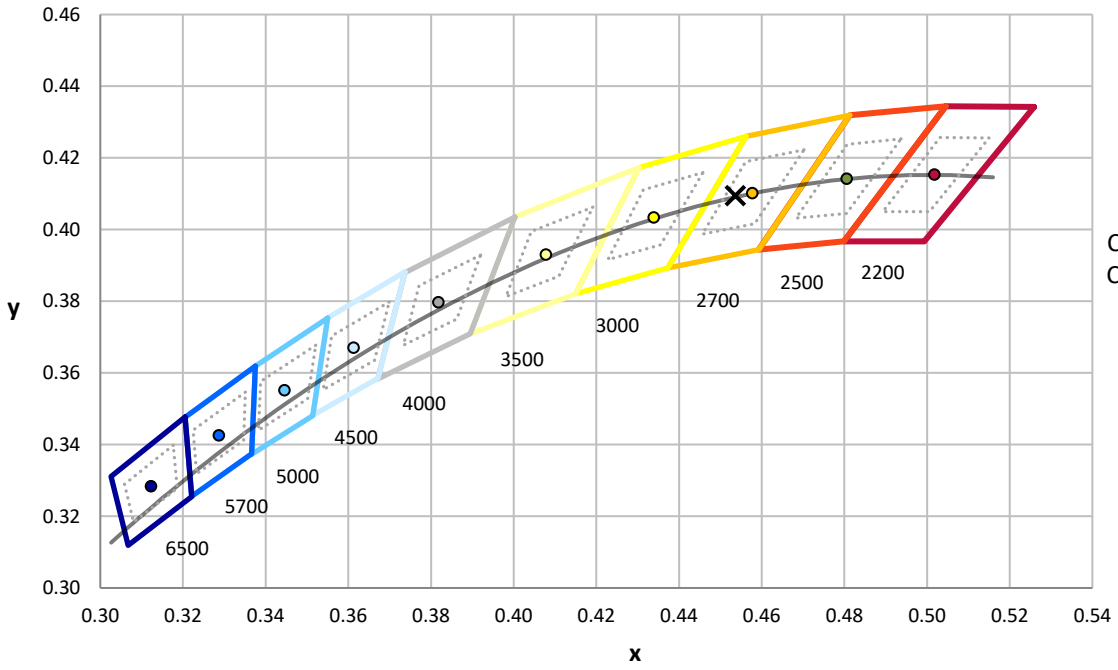
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

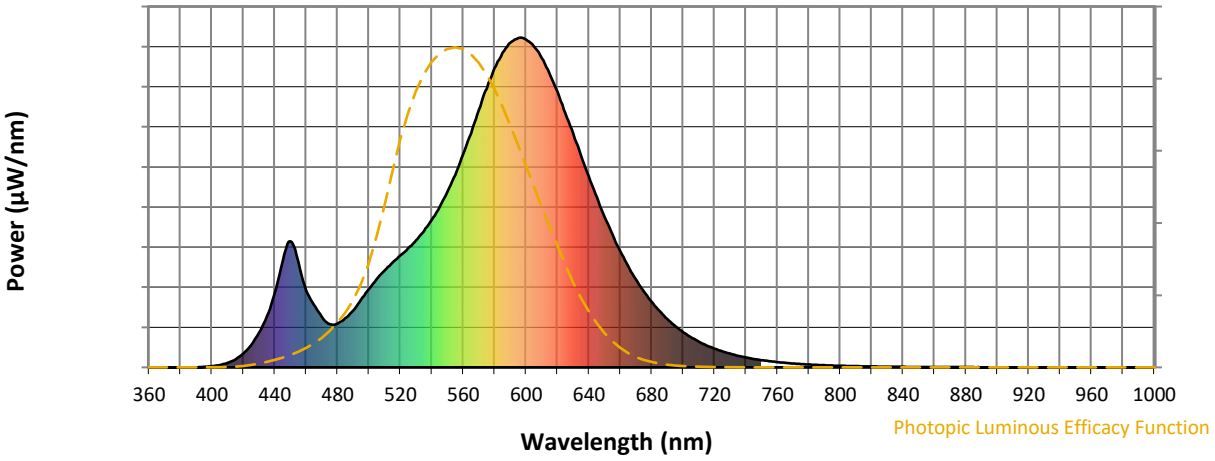


CCT = 2780K
CIE x = 0.4536
CIE y = 0.4095
Duv = 0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-9

Photopic Flux vs. Wavelength

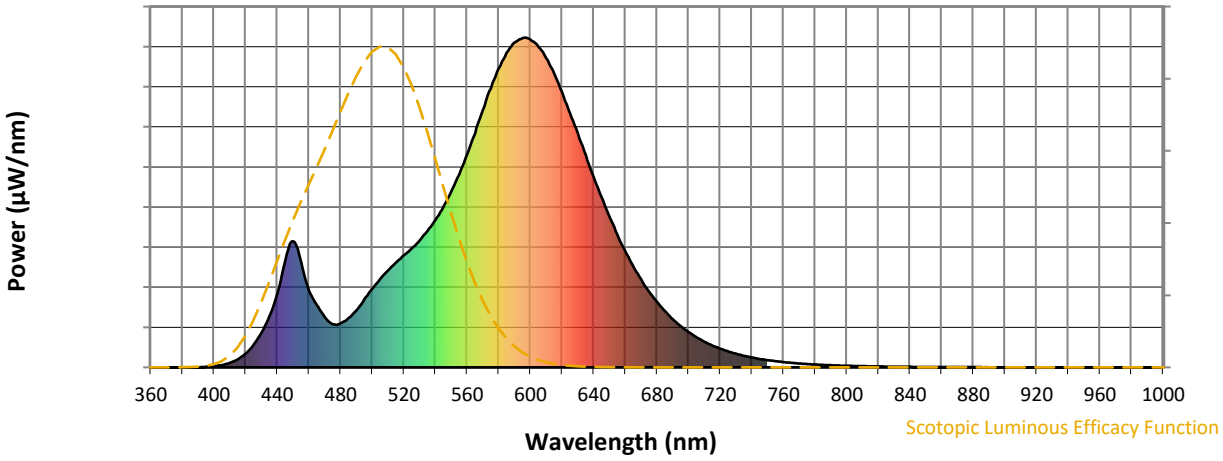


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2501-319-9

Scotopic Flux vs. Wavelength

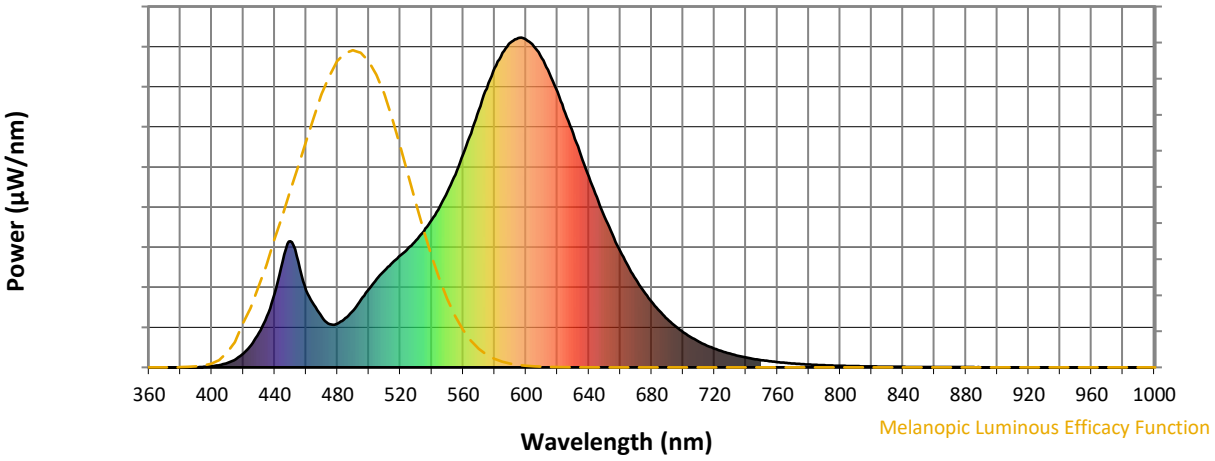


Scotopic Lumens: NR **S/P: 1.17**

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			

REPORT NUMBER: SP1-2501-319-9

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			

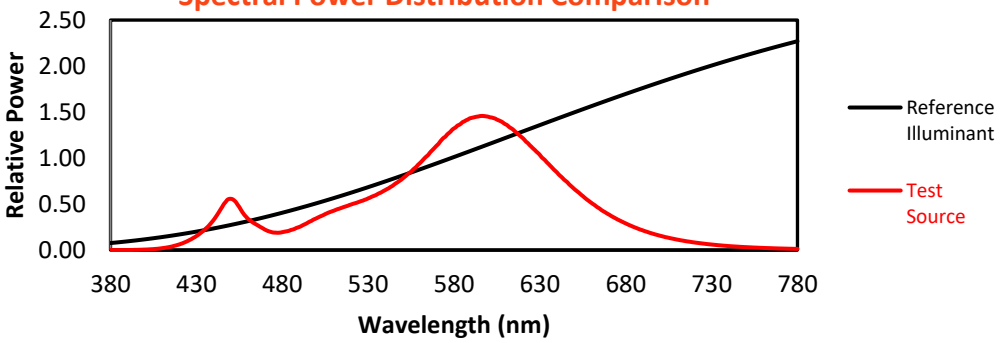
REPORT NUMBER: SP1-2501-319-9

TM-30-18

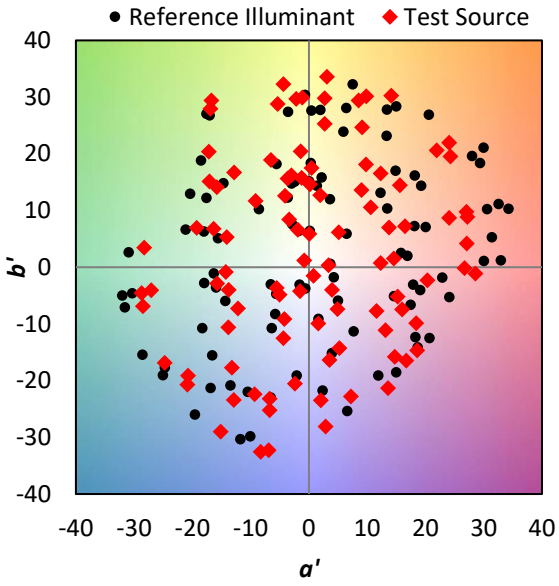
Summary

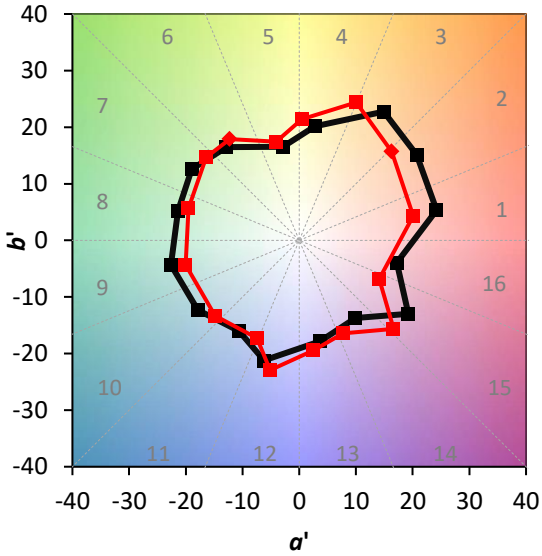
R_f = 77.4
R_g = 92.5
CIE R_a = 72.0
R_9 = -35.8

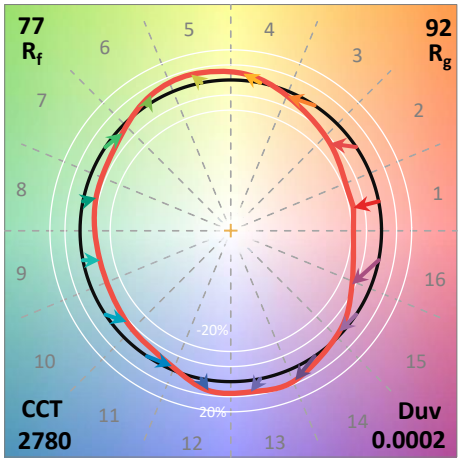
Spectral Power Distribution Comparison

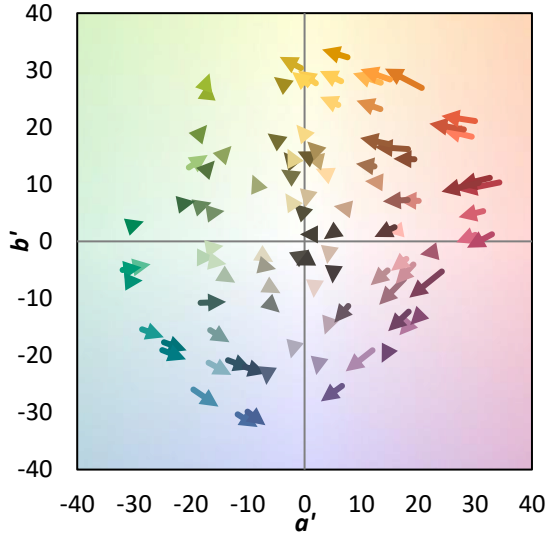


Color Vector Graphics







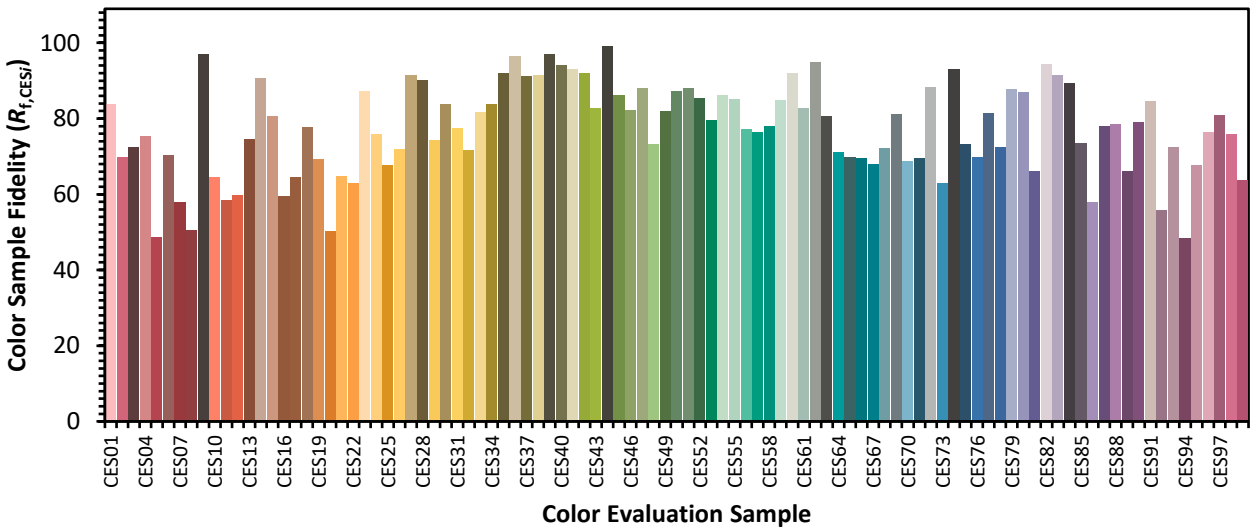


REPORT NUMBER: SP1-2501-319-9

TM-30-18

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

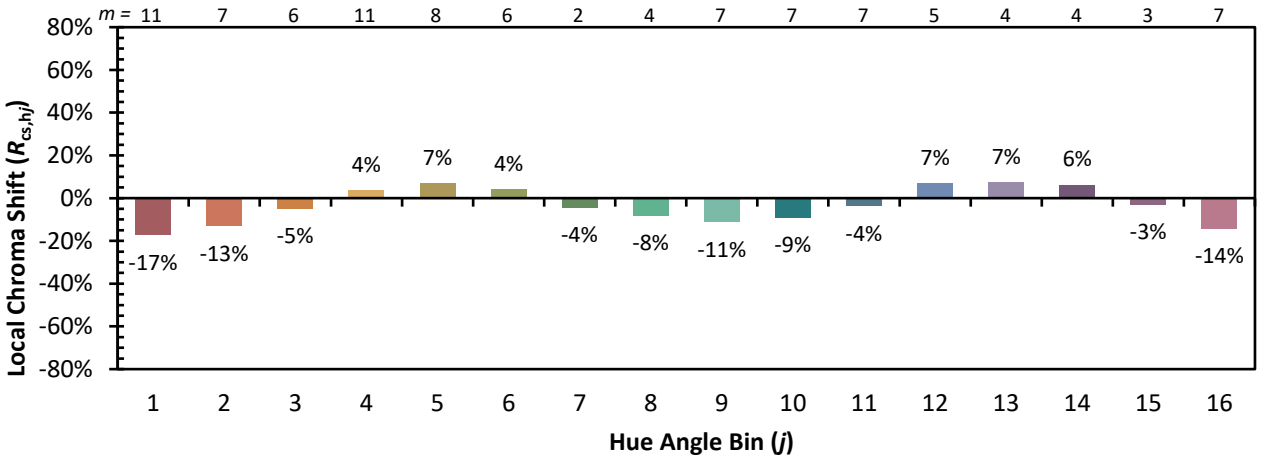
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 85	CES77 = 81
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 74	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 76	CES82 = 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	

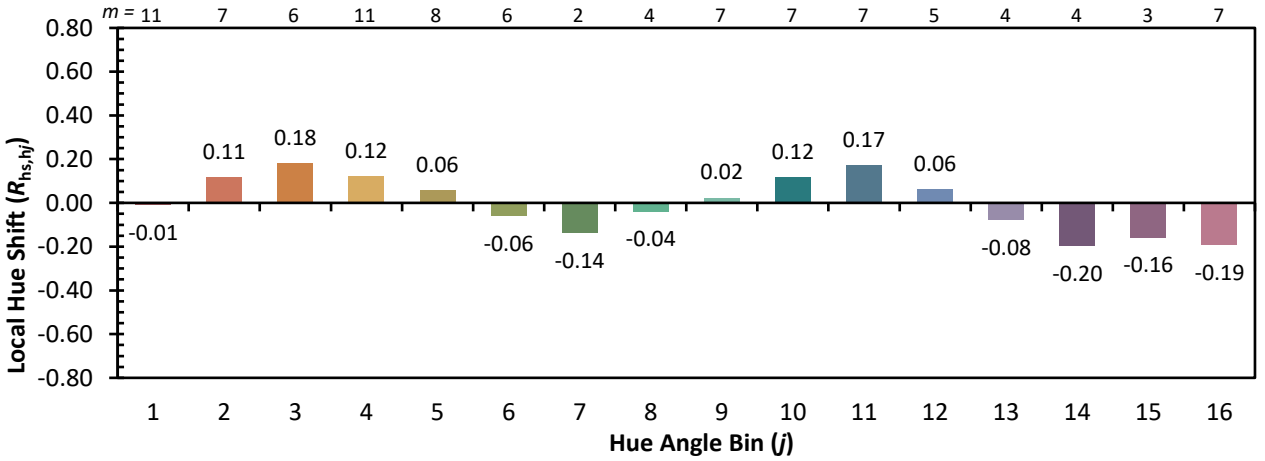


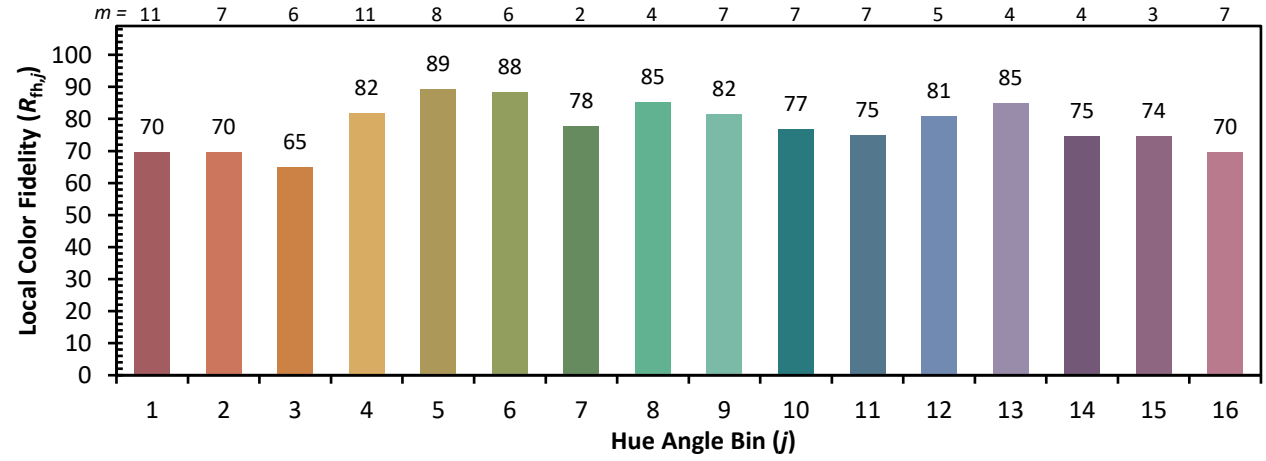
REPORT NUMBER: SP1-2501-319-9

TM-30-18

Color Rendition by Hue-Angle Bin



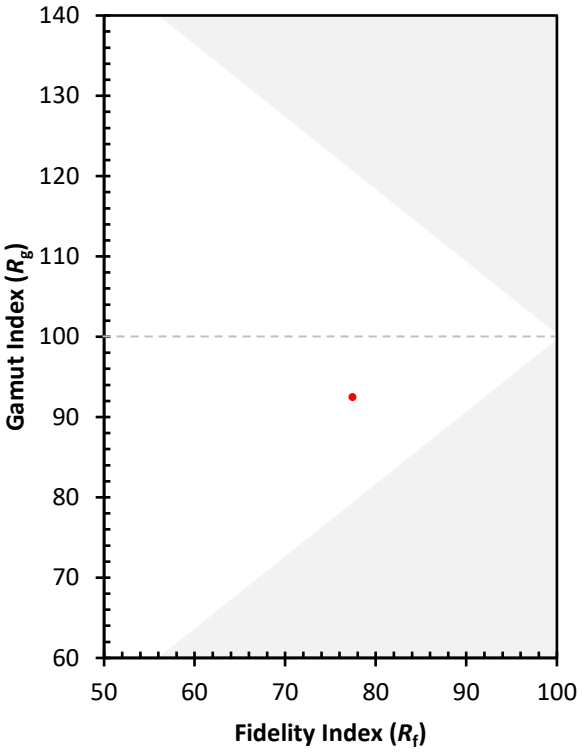


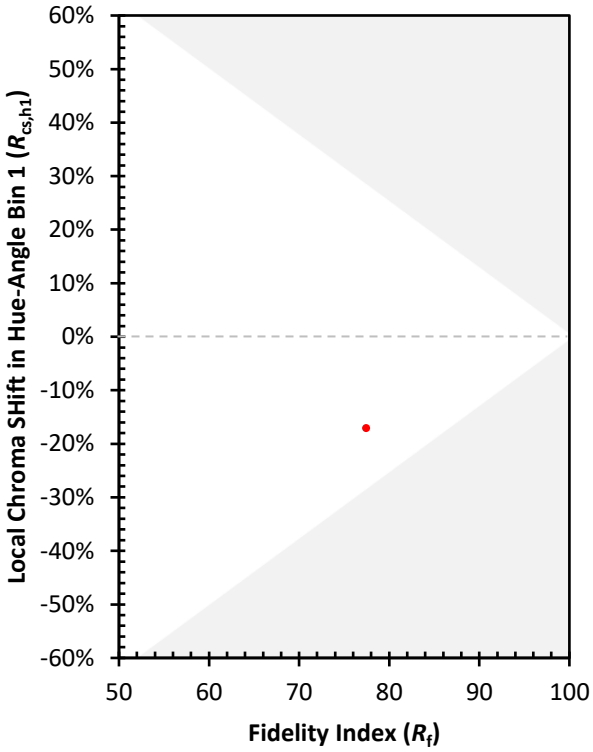


REPORT NUMBER: SP1-2501-319-9

TM-30-18

Measure Comparisons





(END OF REPORT)