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: P980955

Luminaire Tested: **NFFLD-C25-7030-66**

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:	P980955
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C25-7030-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 80W 70CRI 3000K LED FIXTURE NEMA 6
Light Source:	(2) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11082.5 lumens
Efficiency:	N/A
Efficacy:	131.8 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: P980955
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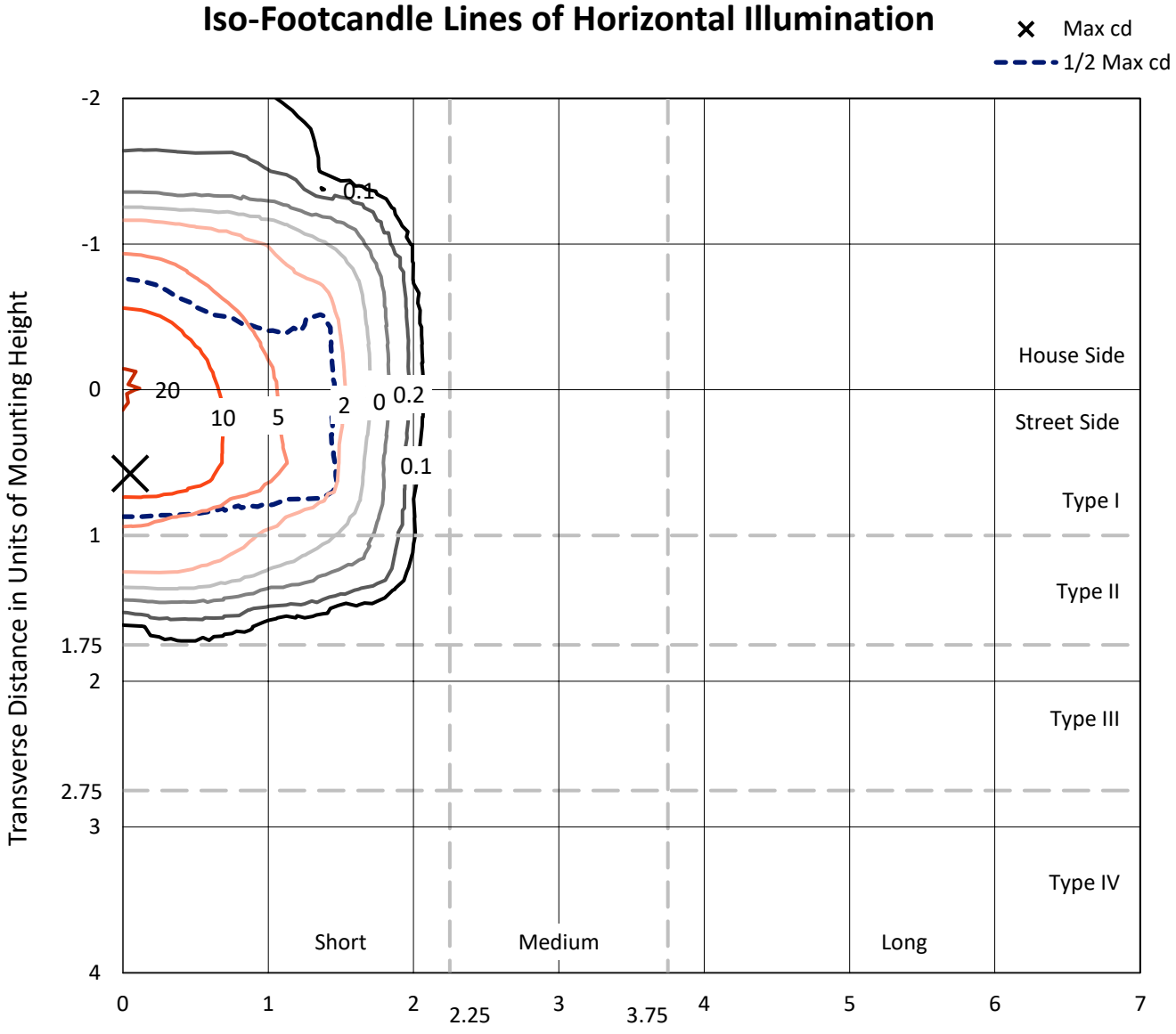
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 20.6 fc
Type I - Short - N/A

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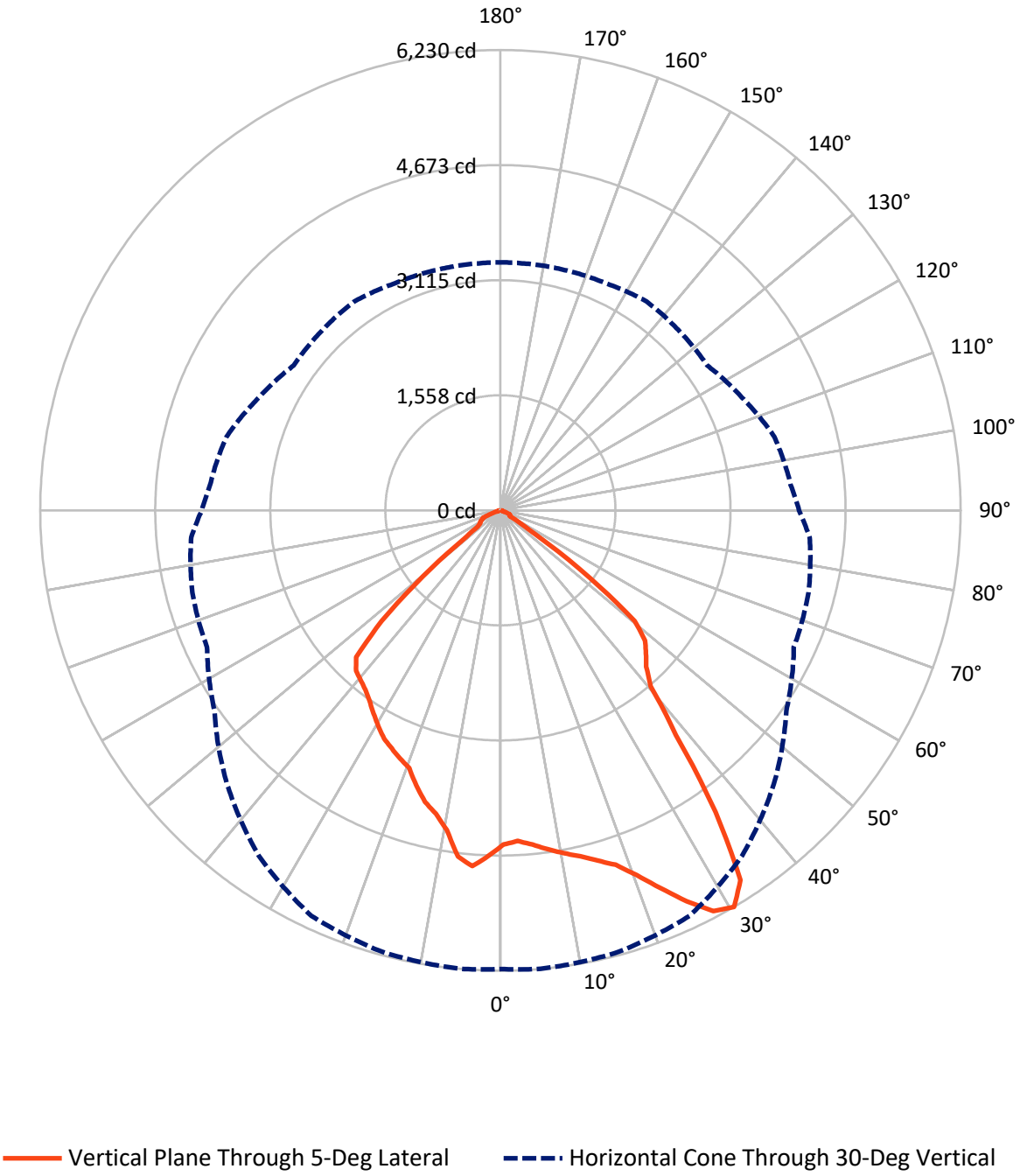
Luminous Intensity Polar Plot



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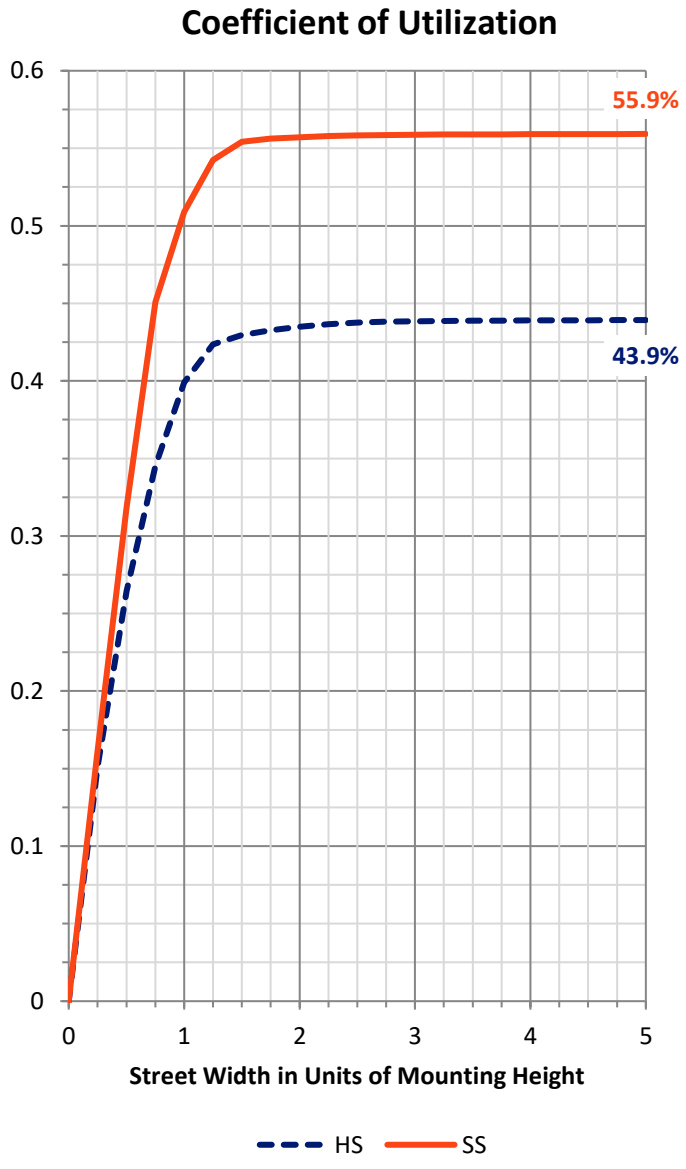
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4901.7	0.0	4901.7
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	6180.8	0.0	6180.8
	% Fixture	55.8	0.0	55.8
Total	Lumens	11082.5	0.0	11082.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.5	4.0
10°-20°	1281.9	11.6
20°-30°	2042.7	18.4
30°-40°	2553.8	23.0
40°-50°	2506.1	22.6
50°-60°	1791.7	16.2
60°-70°	396.4	3.6
70°-80°	60.9	0.5
80°-90°	6.4	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°	11082.5	100.0
0°-180°	11082.5	100.0



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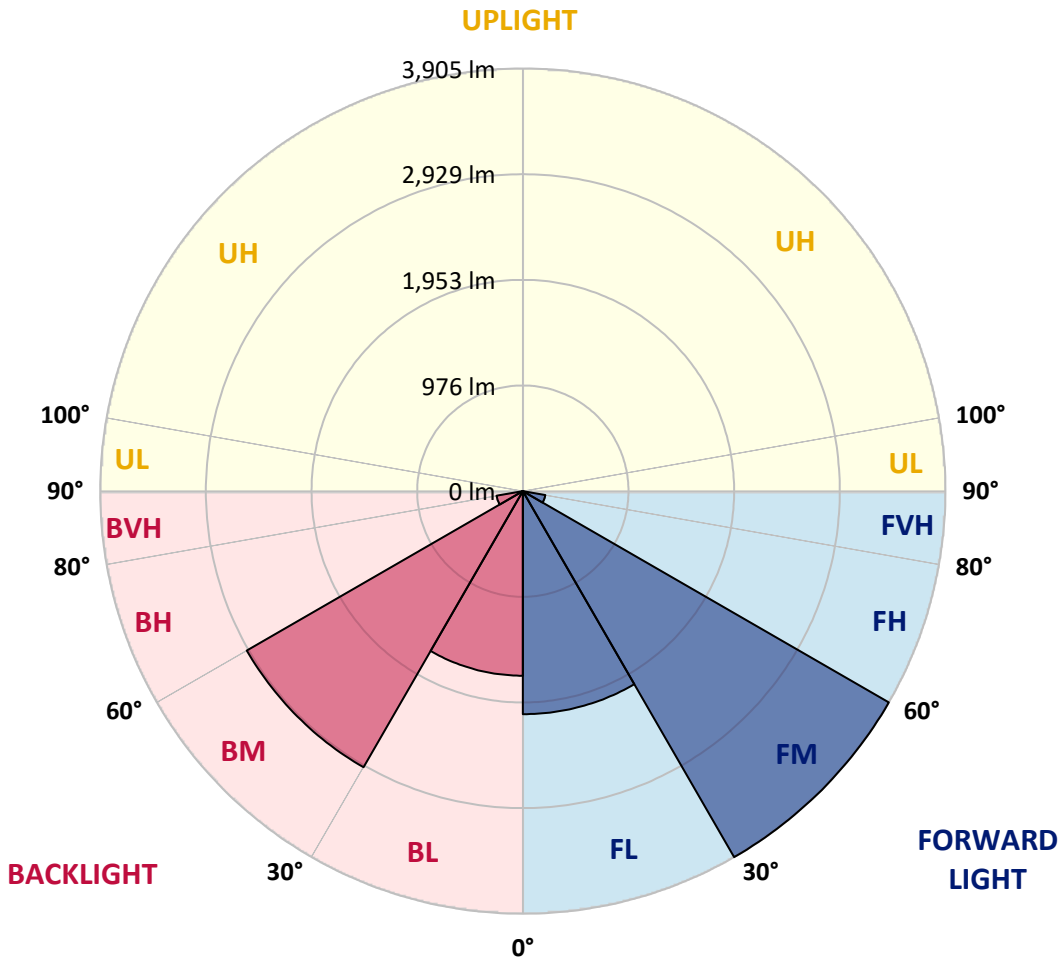
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2061.2	18.6			
FM	(30°-60°)	3905.5	35.2			
FH	(60°-80°)	210.9	1.9			G0/660
FVH	(80°-90°)	3.2	0.0			G0/10
BL	(0°-30°)	1705.9	15.4	B3/2500		
BM	(30°-60°)	2946.1	26.6	B3/5000		
BH	(60°-80°)	246.5	2.2	B1/500		G1/500
BVH	(80°-90°)	3.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
Type I Short



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REPORT NUMBER: P980955
CATALOG NUMBER: NFFLD-C25-7030-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5
2.5°	4472.9	4480.1	4487.3	4498.2	4512.6	4519.9	4512.6	4505.4	4501.8	4509.0	4512.6
5°	4534.3	4545.2	4548.8	4556.0	4563.3	4556.0	4552.4	4545.2	4541.6	4545.2	4556.0
7.5°	4624.7	4632.0	4628.3	4624.7	4621.1	4595.8	4570.5	4559.6	4559.6	4570.5	4599.4
10°	4704.3	4718.7	4700.7	4686.2	4660.9	4621.1	4577.7	4552.4	4559.6	4581.3	4617.5
12.5°	4805.5	4805.5	4787.4	4773.0	4715.1	4668.1	4610.3	4570.5	4570.5	4610.3	4650.0
15°	4928.5	4917.6	4910.4	4870.6	4801.9	4726.0	4653.6	4595.8	4584.9	4646.4	4671.7
17.5°	5083.9	5044.2	5026.1	4957.4	4863.4	4765.7	4668.1	4621.1	4588.6	4653.6	4624.7
20°	5297.3	5268.4	5210.5	5102.0	4910.4	4783.8	4668.1	4606.6	4581.3	4617.5	4588.6
22.5°	5572.1	5554.0	5423.8	5286.4	5033.3	4798.3	4650.0	4566.9	4559.6	4541.6	4480.1
25°	5908.4	5861.4	5727.6	5532.3	5217.7	4939.3	4646.4	4494.6	4469.2	4422.2	4313.8
27.5°	6194.0	6143.4	5980.7	5807.1	5470.8	5149.0	4675.3	4407.8	4378.8	4346.3	4212.5
30°	6208.5	6230.2	6186.8	6056.6	5705.9	5235.8	4726.0	4382.5	4317.4	4201.7	4042.6
32.5°	5915.6	5966.2	6071.1	6118.1	5883.1	5340.7	4769.4	4393.3	4274.0	3995.6	3865.4
35°	4914.0	5015.2	5445.5	5850.5	5933.7	5492.5	4805.5	4393.3	4259.5	3847.3	3746.1
37.5°	3775.0	3858.2	4223.4	4957.4	5709.5	5586.5	4885.1	4368.0	4241.4	3858.2	3720.7
40°	3084.4	3131.4	3290.5	3789.5	4921.2	5431.1	4964.6	4396.9	4187.2	3865.4	3735.2
42.5°	2896.3	2892.7	2860.2	3044.6	3753.3	4975.5	5018.9	4469.2	4096.8	3818.4	3709.9
45°	2769.8	2762.5	2733.6	2769.8	2968.6	4071.5	4979.1	4599.4	3984.7	3652.0	3579.7
47.5°	2632.4	2636.0	2625.1	2639.6	2603.4	3091.6	4754.9	4653.6	3793.1	3373.6	3348.3
50°	2303.3	2357.6	2502.2	2516.7	2422.6	2495.0	4071.5	4628.3	3655.7	3294.1	3272.4
52.5°	1431.9	1518.7	1945.3	2306.9	2252.7	2252.7	3106.0	4664.5	3409.8	3265.1	3279.6
55°	506.2	571.3	1041.4	1587.4	2017.7	2057.4	2455.2	4151.0	3380.9	3315.8	3330.2
57.5°	126.6	155.5	318.2	687.0	1359.6	1865.8	2194.8	3427.9	2567.3	2476.9	2513.0
60°	148.3	144.6	198.9	220.6	527.9	1475.3	1977.9	2314.2	1656.1	1551.2	1569.3
62.5°	159.1	148.3	155.5	195.3	86.8	723.2	1576.5	1377.7	683.4	506.2	535.2
65°	141.0	133.8	122.9	180.8	61.5	133.8	929.3	405.0	97.6	155.5	141.0
67.5°	94.0	97.6	101.2	144.6	57.9	57.9	122.9	101.2	68.7	141.0	122.9
70°	54.2	57.9	68.7	86.8	57.9	47.0	54.2	83.2	57.9	141.0	122.9
72.5°	32.5	32.5	32.5	36.2	57.9	39.8	36.2	68.7	50.6	130.2	122.9
75°	25.3	25.3	25.3	21.7	50.6	25.3	25.3	54.2	43.4	94.0	94.0
77.5°	21.7	21.7	21.7	18.1	28.9	21.7	21.7	39.8	39.8	47.0	54.2
80°	14.5	14.5	14.5	14.5	18.1	18.1	14.5	21.7	18.1	21.7	25.3
82.5°	7.2	10.8	10.8	7.2	10.8	10.8	10.8	14.5	10.8	14.5	14.5
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2	3.6	3.6	7.2
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: P980955
CATALOG NUMBER: NFFLD-C25-7030-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5	4523.5
2.5°	4519.9	4537.9	4563.3	4603.0	4617.5	4642.8	4664.5	4682.6	4682.6	4675.3
5°	4577.7	4628.3	4697.0	4758.5	4780.2	4805.5	4816.4	4834.4	4830.8	4827.2
7.5°	4628.3	4707.9	4780.2	4823.6	4816.4	4783.8	4762.1	4733.2	4722.4	4729.6
10°	4668.1	4740.4	4773.0	4744.0	4657.3	4581.3	4483.7	4418.6	4386.1	4396.9
12.5°	4682.6	4707.9	4679.0	4519.9	4411.4	4339.1	4259.5	4216.1	4198.0	4201.7
15°	4686.2	4628.3	4469.2	4349.9	4270.4	4180.0	4114.9	4075.1	4075.1	4078.7
17.5°	4610.3	4469.2	4331.8	4241.4	4129.3	4035.3	3999.2	3984.7	3894.3	3908.8
20°	4541.6	4339.1	4263.1	4122.1	3988.3	3926.9	3717.1	3695.4	3699.1	3702.7
22.5°	4396.9	4245.1	4176.4	3991.9	3840.1	3670.1	3641.2	3619.5	3623.1	3623.1
25°	4198.0	4111.3	4017.3	3825.6	3641.2	3608.7	3587.0	3558.0	3543.6	3547.2
27.5°	4086.0	3977.5	3803.9	3641.2	3521.9	3536.3	3511.0	3467.6	3467.6	3471.3
30°	*3944.9*	*3840.1*	*3608.7*	*3417.0*	*3427.9*	*3449.6*	*3388.1*	*3366.4*	*3355.5*	*3355.5*
32.5°	3771.4	3626.7	3424.2	3243.5	3308.5	3301.3	3225.4	3232.6	3239.8	3232.6
35°	3641.2	3453.2	3283.2	3185.6	3160.3	3131.4	3091.6	3116.9	3127.7	3120.5
37.5°	3608.7	3384.5	3207.3	3138.6	3041.0	2986.7	2997.6	3022.9	3037.3	3033.7
40°	3597.8	3315.8	3142.2	3069.9	2939.7	2892.7	2907.2	2957.8	2975.9	2972.3
42.5°	3583.3	3268.8	3102.4	3015.7	2834.9	2802.3	2871.0	2918.0	2921.6	2918.0
45°	3507.4	3218.1	3077.1	2903.6	2675.8	2715.5	2802.3	2827.6	2784.2	2766.2
47.5°	3330.2	3124.1	3001.2	2766.2	2545.6	2621.5	2632.4	2357.6	2198.5	2162.3
50°	3279.6	3127.7	2914.4	2603.4	2466.0	2542.0	2068.3	1580.1	1381.3	1341.5
52.5°	3265.1	3091.6	2946.9	2433.5	2437.1	2144.2	1305.3	773.8	621.9	593.0
55°	3301.3	3250.7	3001.2	2332.2	2267.2	1395.7	607.5	365.2	376.1	365.2
57.5°	2491.3	2719.1	3066.3	2173.1	1656.1	672.6	383.3	354.4	329.0	321.8
60°	1554.8	1771.8	2245.5	1869.4	849.7	401.4	390.5	329.0	318.2	314.6
62.5°	513.5	788.3	1287.3	1229.4	235.0	397.7	394.1	292.9	292.9	292.9
65°	130.2	133.8	354.4	423.1	173.6	354.4	376.1	274.8	267.6	278.4
67.5°	112.1	101.2	188.0	166.3	144.6	245.9	329.0	264.0	249.5	249.5
70°	112.1	119.3	184.4	155.5	90.4	133.8	238.6	162.7	144.6	133.8
72.5°	104.9	115.7	162.7	141.0	61.5	65.1	104.9	54.2	50.6	43.4
75°	90.4	94.0	126.6	126.6	65.1	32.5	43.4	36.2	36.2	32.5
77.5°	61.5	47.0	72.3	90.4	47.0	21.7	18.1	18.1	18.1	14.5
80°	32.5	18.1	18.1	14.5	18.1	18.1	10.8	14.5	14.5	10.8
82.5°	18.1	10.8	10.8	7.2	7.2	10.8	7.2	7.2	7.2	7.2
85°	7.2	7.2	3.6	3.6	3.6	7.2	3.6	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
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: SP1-2501-319-10

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7030-66

Data in this report applies to families of products including NFFLD-C55-7030-66

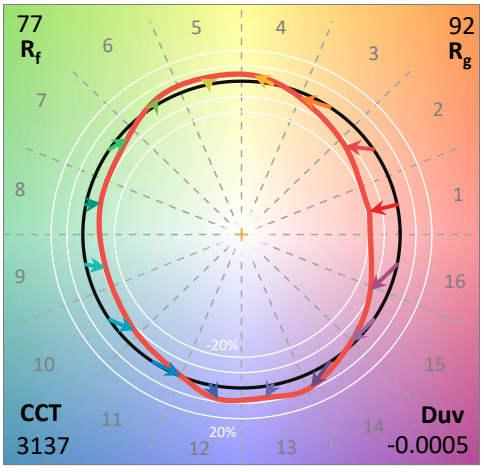
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-10
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-C55-7030-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	3137	CRI (Ra):	71.4		
CIE u':	0.2461	R1:	67.1	R9:	-42.3
CIE v':	0.5180	R2:	84.2	R10:	65.1
Duv:	-0.0005	R3:	93.4	R11:	60.5
CIE x:	0.4269	R4:	65.5	R12:	58.2
CIE y:	0.3993	R5:	67.7	R13:	70.6
CIE z:	0.1739	R6:	78.9	R14:	96.6
Peak Wavelength (nm):	591	R7:	75.0	R15:	58.2
Dominant Wavelength (nm):	582	R8:	39.1		
Purity:	47.96229				
Rf:	76.5				
Rg:	91.7				



Test Conditions

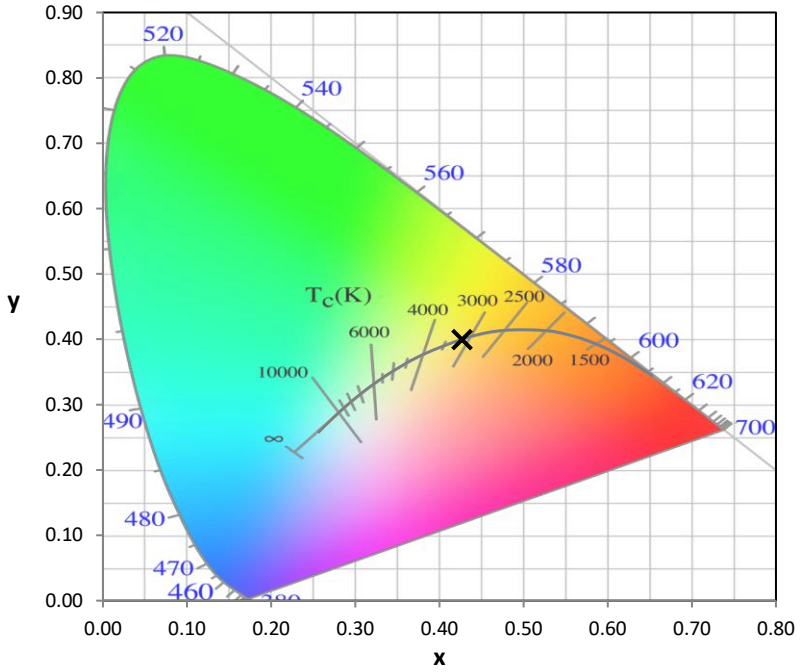
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-10

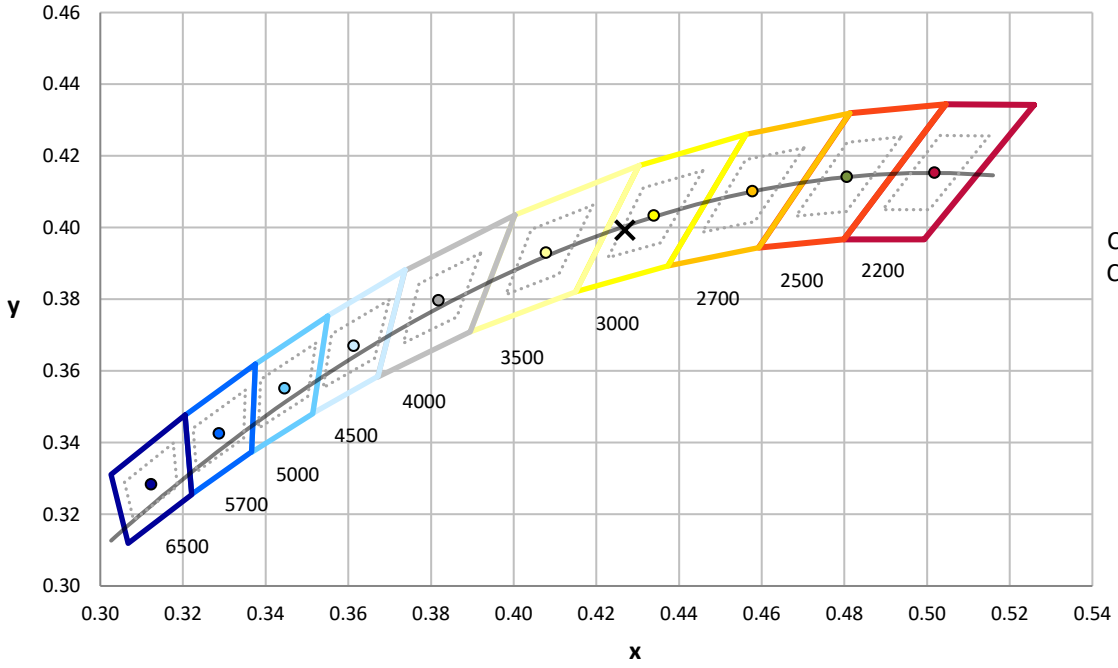
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-10

CIE 1931 Chromaticity Diagram



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

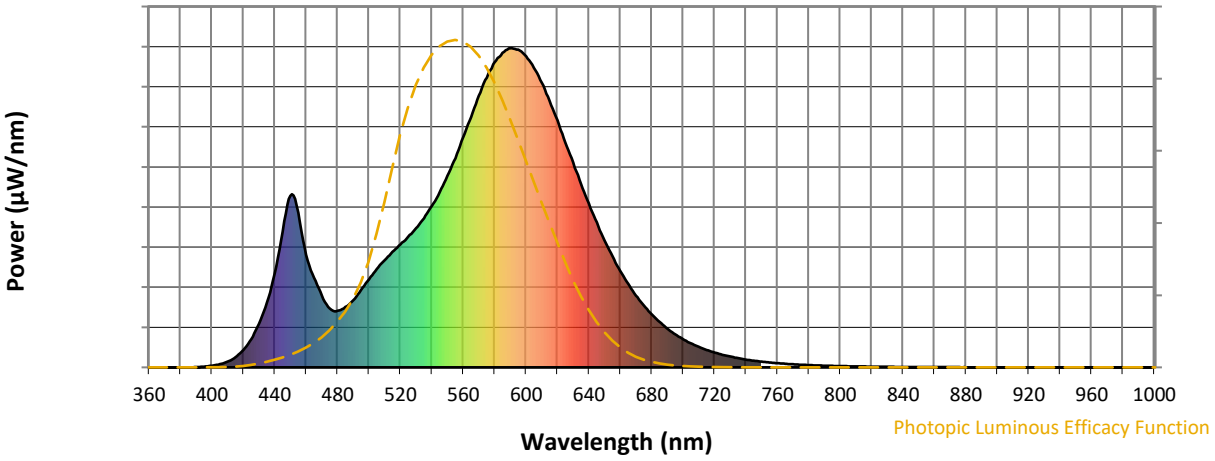


CCT = 3137K
CIE x = 0.4269
CIE y = 0.3993
Duv = -0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-10

Photopic Flux vs. Wavelength

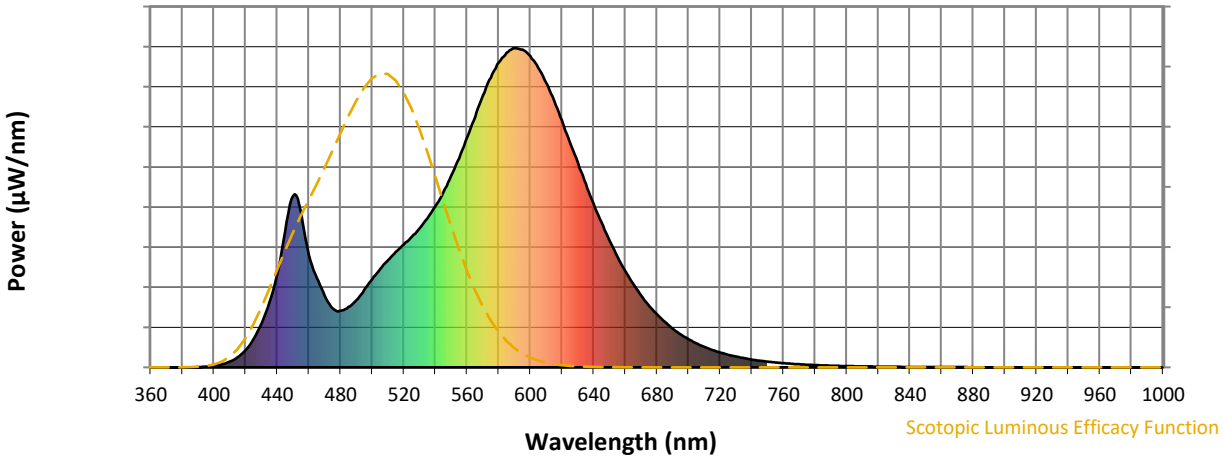


Photopic Lumens: NR

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-319-10

Scotopic Flux vs. Wavelength

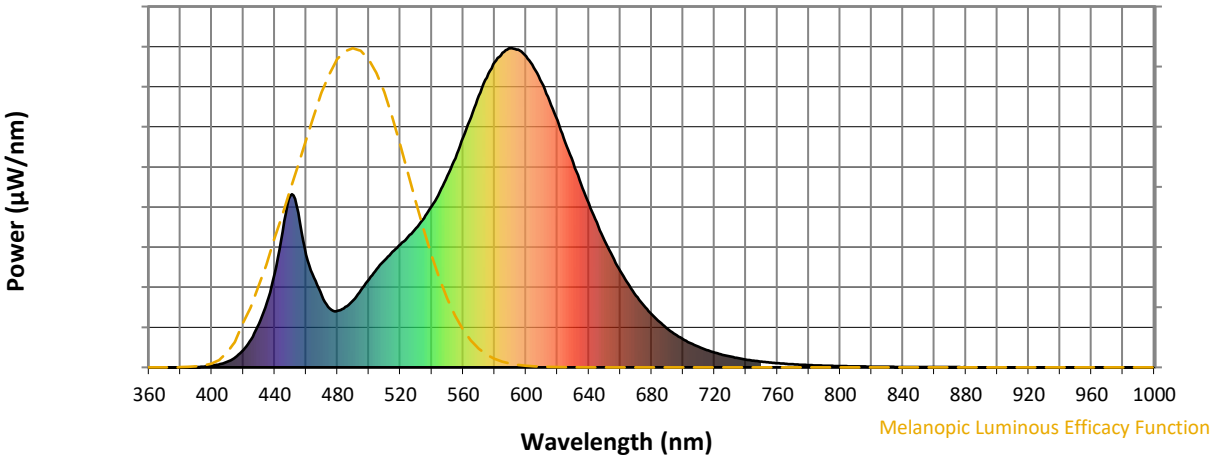


Scotopic Lumens: NR **S/P: 1.31**

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-319-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.52**

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

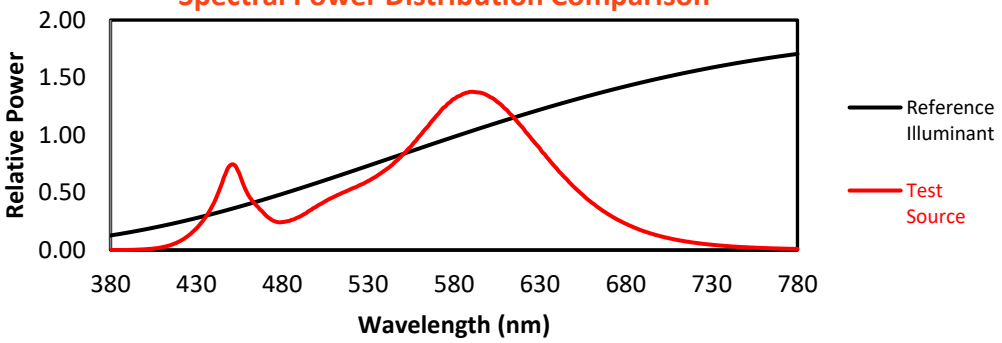
REPORT NUMBER: SP1-2501-319-10

TM-30-18

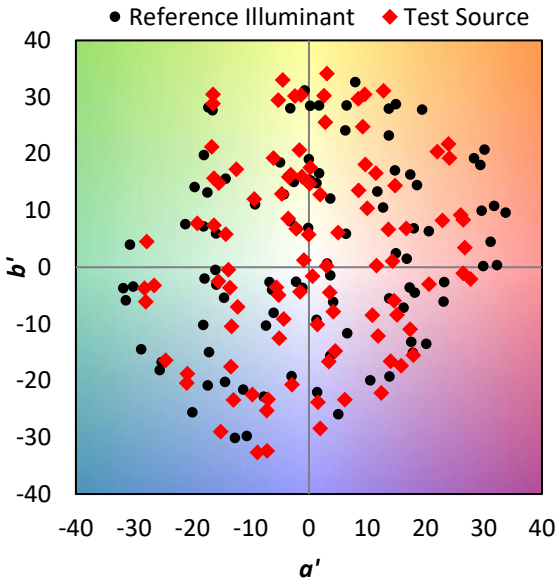
Summary

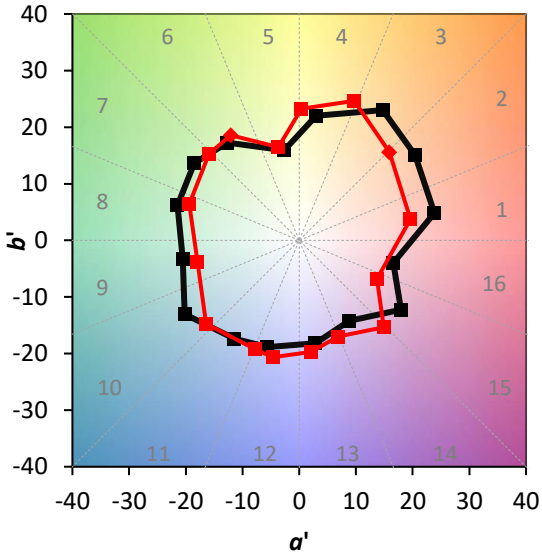
R_f = 76.5
R_g = 91.7
CIE R_a = 71.4
R_9 = -42.3

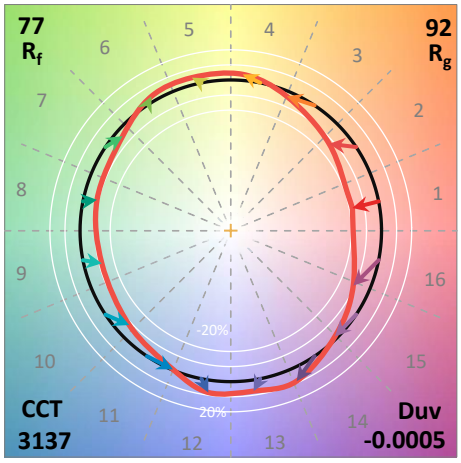
Spectral Power Distribution Comparison

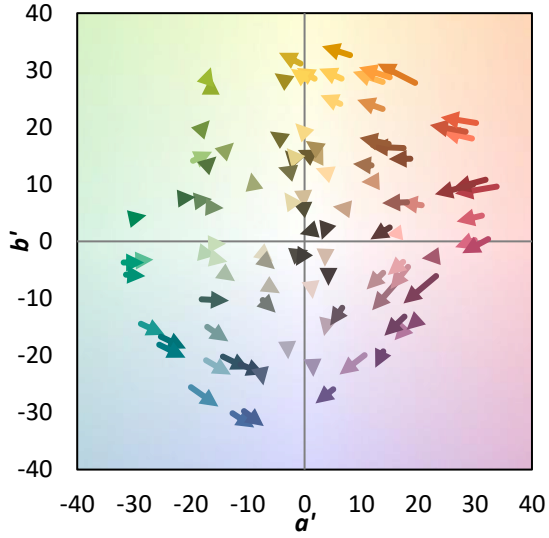


Color Vector Graphics







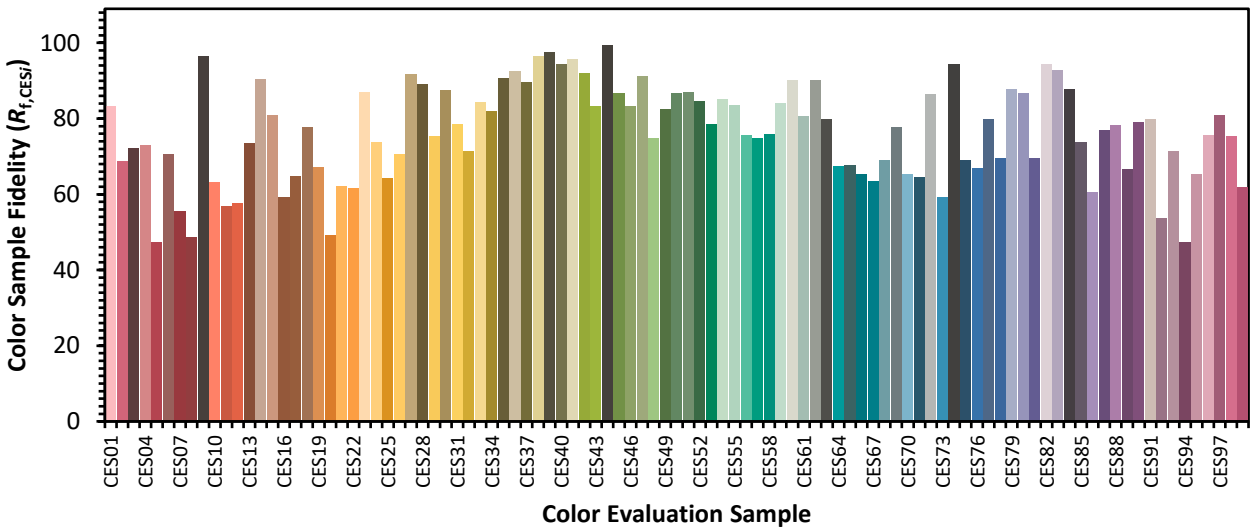


REPORT NUMBER: SP1-2501-319-10

TM-30-18

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

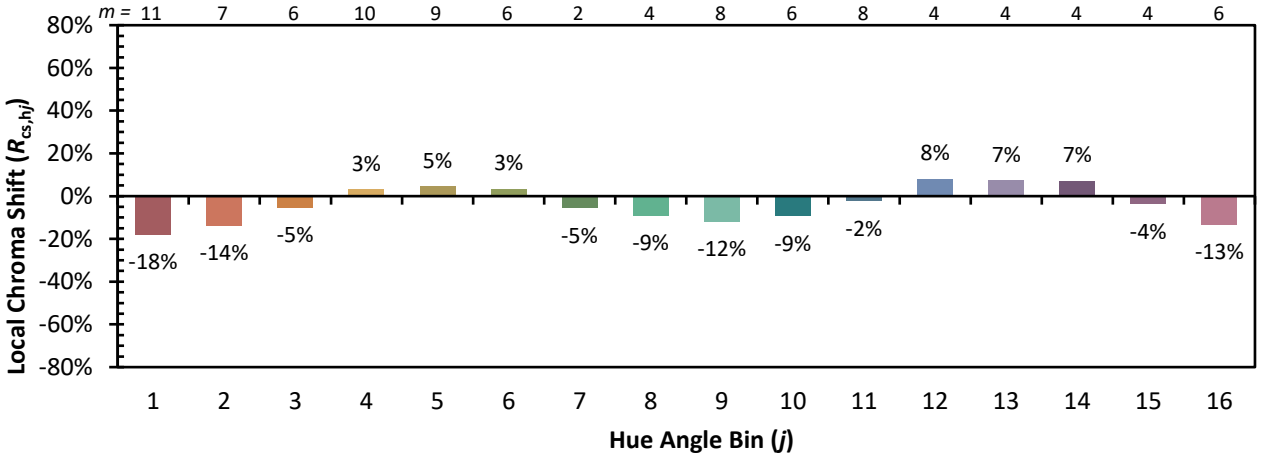
CES01 = 86	CES26 = 71	CES51 = 87	CES76 = 67
CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 89	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 88
CES05 = 49	CES30 = 88	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 70
CES07 = 41	CES32 = 71	CES57 = 75	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 76	CES83 = 93
CES09 = 29	CES34 = 82	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 74
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 90	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 96	CES63 = 80	CES88 = 78
CES14 = 74	CES39 = 98	CES64 = 67	CES89 = 67
CES15 = 71	CES40 = 94	CES65 = 68	CES90 = 79
CES16 = 47	CES41 = 96	CES66 = 65	CES91 = 80
CES17 = 50	CES42 = 92	CES67 = 64	CES92 = 54
CES18 = 56	CES43 = 83	CES68 = 69	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 65	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 65	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 59	CES98 = 75
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 62
CES25 = 72	CES50 = 87	CES75 = 69	

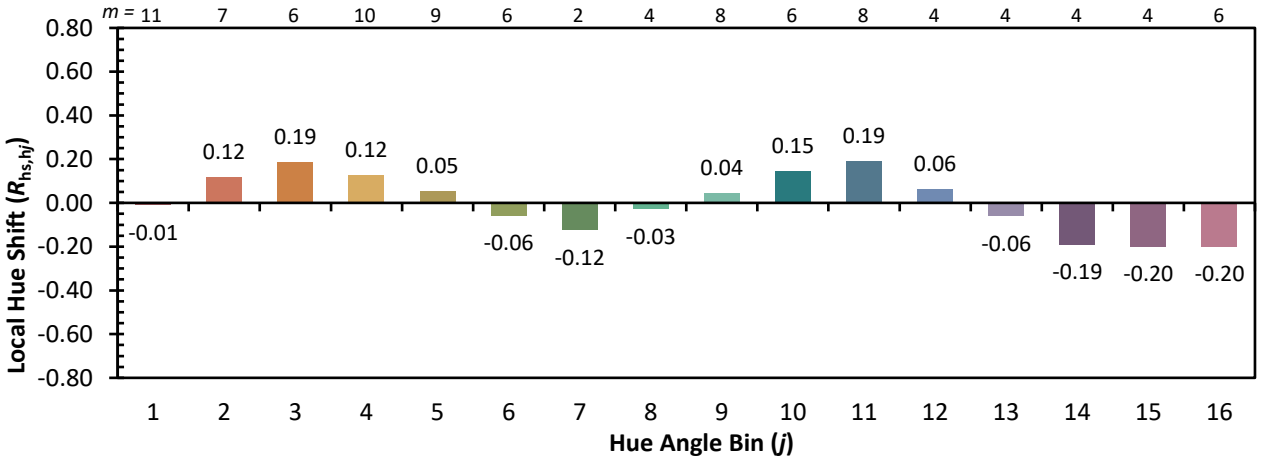


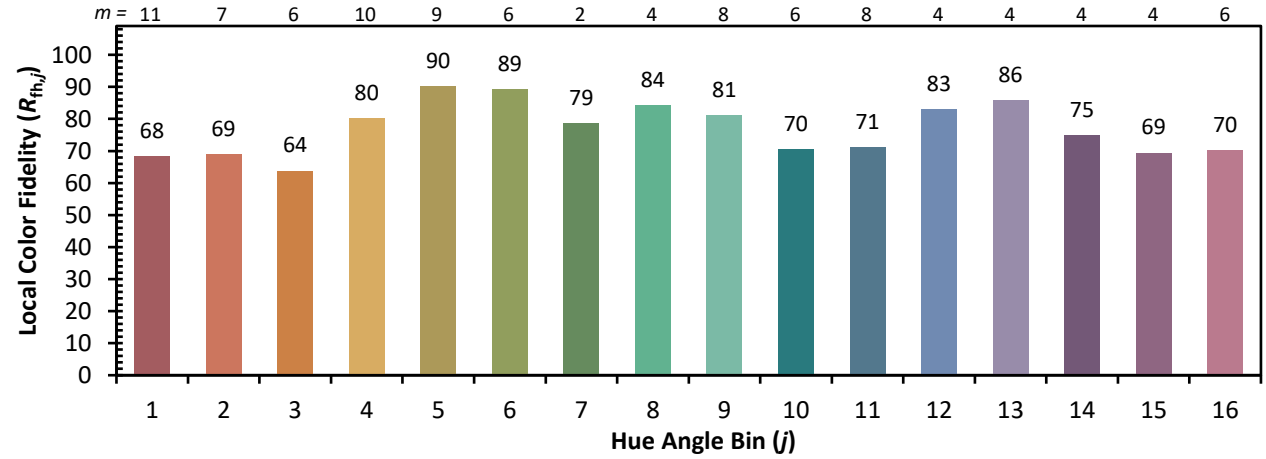
REPORT NUMBER: SP1-2501-319-10

TM-30-18

Color Rendition by Hue-Angle Bin



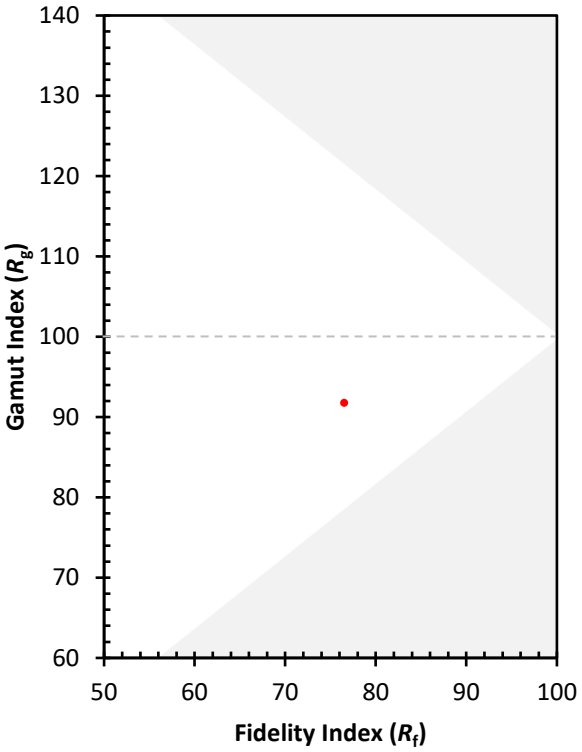


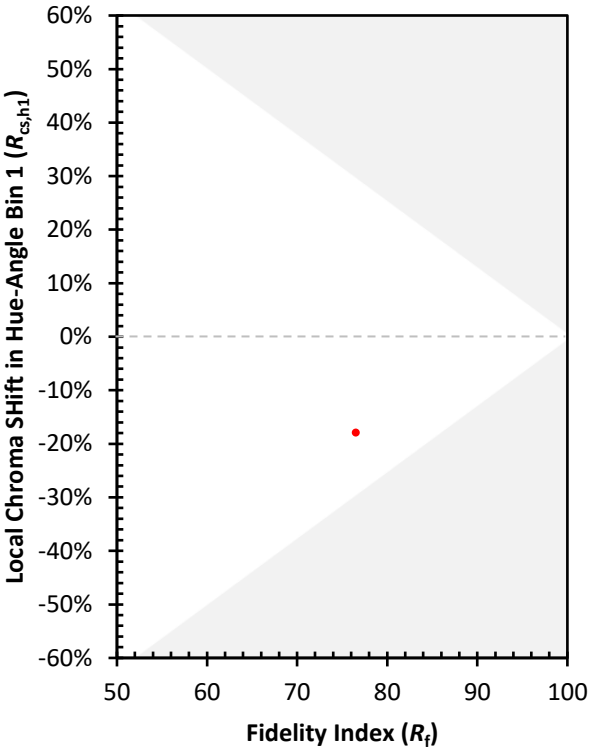


REPORT NUMBER: SP1-2501-319-10

TM-30-18

Measure Comparisons





(END OF REPORT)