

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: FAIL-SAFE

Report Number: P1356796

Luminaire Tested: 2ASL4-10-1-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-6)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 2ASL4-10-1-92765-UNV_2700K
Description: 2FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

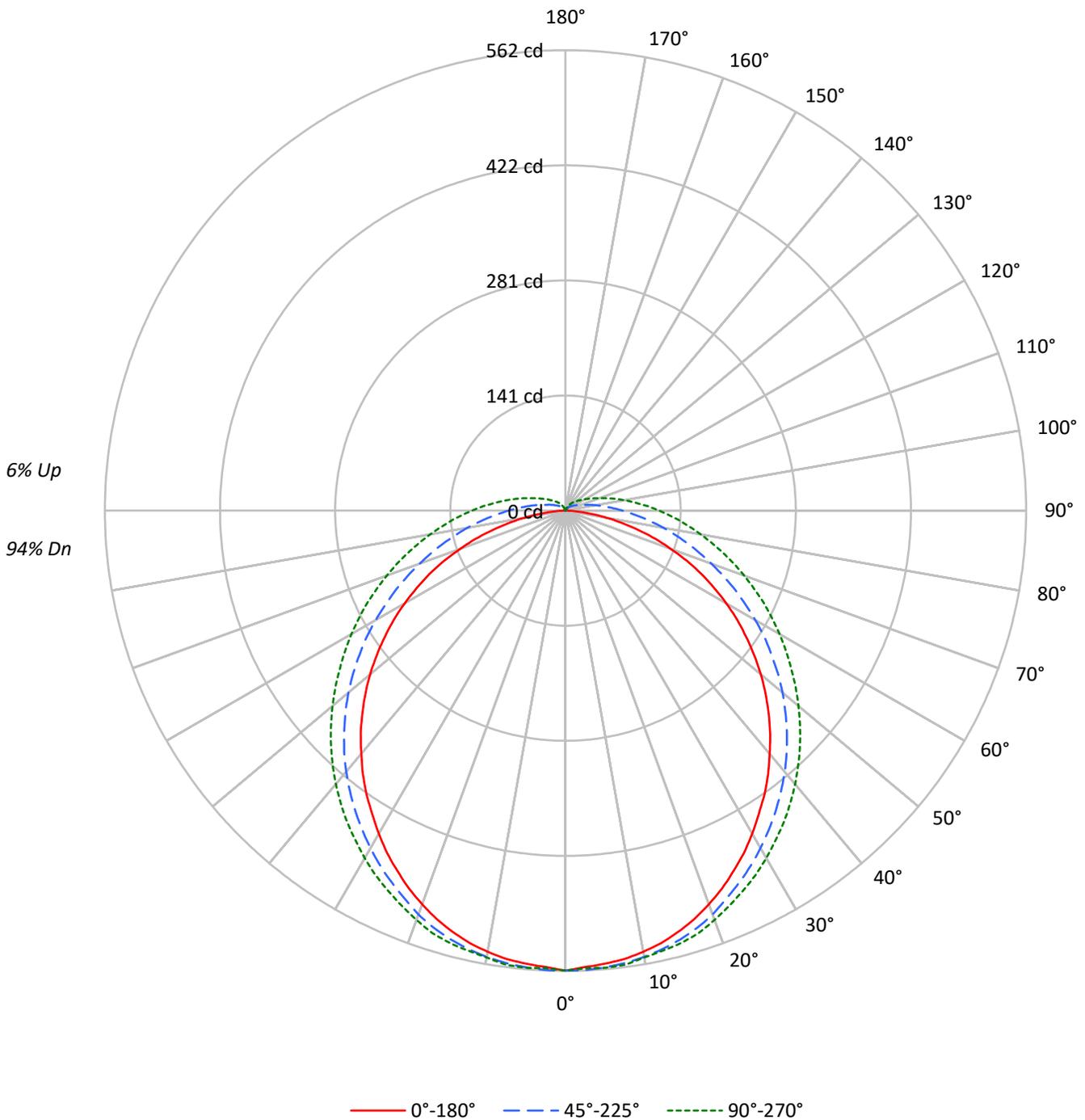
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1880.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	96	96	96	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	82	80	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	71	67	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	62	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	56	50	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	50	44	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	38	32	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	32	27	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9161	9161	9161
5°	9052	8963	8933
10°	8978	8768	8698
15°	8866	8560	8515
20°	8713	8328	8289
25°	8527	8053	8045
30°	8329	7801	7817
35°	8128	7544	7589
40°	7904	7284	7354
45°	7685	7002	7113
50°	7435	6708	6862
55°	7125	6376	6608
60°	6783	6029	6388
65°	6345	5665	6167
70°	5693	5283	5952
75°	4853	4934	5785
80°	3727	4625	5684
85°	2010	4392	5720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7685 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	2.8
10°-20°	152.6	8.1
20°-30°	230.8	12.3
30°-40°	279.0	14.8
40°-50°	293.3	15.6
50°-60°	273.2	14.5
60°-70°	224.5	11.9
70°-80°	159.4	8.5
80°-90°	96.1	5.1
90°-100°	53.8	2.9
100°-110°	29.8	1.6
110°-120°	16.6	0.9
120°-130°	9.6	0.5
130°-140°	5.2	0.3
140°-150°	2.3	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	436.6	23.2
0°-40°	715.6	38.1
0°-60°	1282.2	68.2
0°-90°	1762.1	93.7
90°-120°	100.2	5.3
90°-150°	117.4	6.2
90°-180°	118.0	6.3
0°-180°	1880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	562	562	562	562	562	
5°	555	560	560	559	560	53
15°	532	539	542	544	546	150
25°	485	494	501	508	512	224
35°	423	434	447	459	464	264
45°	351	363	382	398	405	270
55°	269	285	307	327	336	241
65°	183	200	228	255	267	180
75°	92	116	154	186	199	98
85°	17	50	93	127	140	21
90°	0	29	69	102	114	1
95°	0	17	51	80	92	0
105°	0	6	27	48	57	0
115°	0	3	16	29	35	0
125°	0	2	10	19	22	0
135°	0	1	6	12	15	0
145°	1	0	2	7	9	0
155°	1	1	0	2	2	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	561.5	561.5	561.5	561.5	561.5
2.5°	557.7	562.8	561.5	559.0	559.0
5°	555.2	560.3	559.6	559.0	560.3
7.5°	552.0	557.1	557.1	557.7	559.0
10°	546.9	553.3	553.3	553.3	553.9
12.5°	540.6	546.9	548.2	548.8	550.1
15°	532.3	539.3	541.8	544.4	546.3
17.5°	522.8	529.8	534.2	537.4	540.6
20°	511.4	519.0	524.7	528.5	531.7
22.5°	499.3	506.9	512.6	518.3	522.2
25°	485.3	494.2	501.2	508.2	512.0
27.5°	471.3	480.2	489.1	497.4	501.8
30°	455.5	465.6	475.8	485.3	489.8
32.5°	438.9	449.7	461.8	472.0	477.1
35°	423.1	433.9	447.2	458.6	464.4
37.5°	405.9	416.7	432.0	444.7	450.4
40°	387.5	399.6	416.1	429.4	435.8
42.5°	369.7	381.8	399.6	414.2	420.5
45°	350.6	363.3	381.8	397.7	404.6
47.5°	331.0	344.3	364.0	380.5	388.1
50°	311.3	325.2	345.6	363.3	371.0
52.5°	290.3	304.9	326.5	345.6	353.8
55°	269.3	284.6	306.8	327.1	336.0
57.5°	248.4	263.6	287.8	309.4	318.9
60°	226.8	242.7	267.4	290.9	301.7
62.5°	204.5	221.1	247.1	272.5	283.9
65°	182.9	199.5	228.0	254.7	266.8
67.5°	160.1	177.9	208.4	236.3	249.0
70°	136.6	156.9	189.3	219.2	231.9
72.5°	115.6	136.6	171.5	202.0	215.3
75°	92.1	115.6	153.7	185.5	198.8
77.5°	71.8	97.2	137.2	169.6	182.9
80°	51.5	79.4	121.3	154.4	167.7
82.5°	33.0	63.5	106.7	140.4	153.1
85°	17.2	49.5	92.7	127.0	139.7
87.5°	5.1	38.1	80.0	113.7	126.4
90°	0.0	29.2	69.2	101.6	113.7
92.5°	0.0	22.2	59.7	90.8	102.9
95°	0.0	17.2	50.8	80.0	91.5
97.5°	0.0	13.3	43.8	70.5	81.9
100°	0.0	10.8	37.5	62.3	73.1
102.5°	0.0	8.9	32.4	55.3	64.8
105°	0.0	6.4	26.7	48.3	57.2
107.5°	0.0	4.4	23.5	42.6	50.2
110°	0.0	3.8	21.0	36.8	44.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	3.2	18.4	33.0	39.4
115°	0.0	3.2	16.5	29.2	34.9
117.5°	0.0	2.5	14.0	26.0	31.1
120°	0.0	2.5	12.7	23.5	27.9
122.5°	0.0	1.9	11.4	21.0	25.4
125°	0.0	1.9	10.2	19.1	22.2
127.5°	0.0	1.3	8.9	17.2	20.3
130°	0.0	1.3	8.3	15.2	18.4
132.5°	0.0	0.6	7.6	14.0	16.5
135°	0.0	0.6	6.4	12.1	15.2
137.5°	0.0	0.0	5.7	10.8	13.3
140°	0.0	0.0	4.4	9.5	12.1
142.5°	0.6	0.0	3.8	8.3	10.2
145°	0.6	0.0	2.5	7.0	8.9
147.5°	0.6	0.6	1.9	5.7	7.0
150°	0.6	0.6	1.3	3.8	5.7
152.5°	0.6	0.6	0.6	2.5	3.8
155°	0.6	0.6	0.0	1.9	2.5
157.5°	0.6	0.6	0.0	0.6	1.3
160°	0.6	0.6	0.0	0.0	0.6
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.07	18.62	17.53	19.06	19.53	18.97	20.52	19.43	20.96	21.43
	3H	18.56	19.98	19.04	20.43	20.94	21.34	22.76	21.82	23.21	23.72
	4H	19.04	20.38	19.53	20.85	21.37	22.48	23.82	22.97	24.29	24.81
	6H	19.32	20.57	19.82	21.05	21.59	23.64	24.89	24.15	25.37	25.91
	8H	19.37	20.57	19.89	21.08	21.62	24.22	25.42	24.74	25.93	26.47
	12H	19.38	20.53	19.91	21.03	21.61	24.85	26.00	25.37	26.50	27.07
4H	2H	17.92	19.26	18.41	19.73	20.25	19.41	20.75	19.90	21.22	21.74
	3H	19.65	20.79	20.15	21.30	21.85	22.01	23.15	22.51	23.66	24.21
	4H	20.25	21.29	20.77	21.82	22.39	23.31	24.36	23.84	24.88	25.46
	6H	20.65	21.57	21.19	22.12	22.71	24.66	25.58	25.21	26.13	26.73
	8H	20.74	21.61	21.29	22.16	22.76	25.35	26.22	25.90	26.77	27.37
	12H	20.78	21.57	21.35	22.15	22.76	26.10	26.88	26.67	27.46	28.07
8H	4H	20.88	21.75	21.43	22.30	22.90	23.53	24.39	24.08	24.95	25.55
	6H	21.45	22.18	22.03	22.78	23.39	25.04	25.78	25.63	26.37	26.98
	8H	21.63	22.29	22.22	22.89	23.52	25.87	26.53	26.47	27.14	27.76
	12H	21.74	22.33	22.33	22.92	23.61	26.80	27.39	27.40	27.98	28.67
12H	4H	21.05	21.84	21.63	22.42	23.03	23.54	24.32	24.11	24.90	25.51
	6H	21.71	22.38	22.31	22.98	23.60	25.08	25.74	25.68	26.35	26.97
	8H	21.98	22.57	22.58	23.16	23.86	25.98	26.57	26.57	27.16	27.85