

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: P1356955

Luminaire Tested: 2ASL4-5HE-2-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 2ASL4-5HE-2-92765-UNV_2700K
Description: 2FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

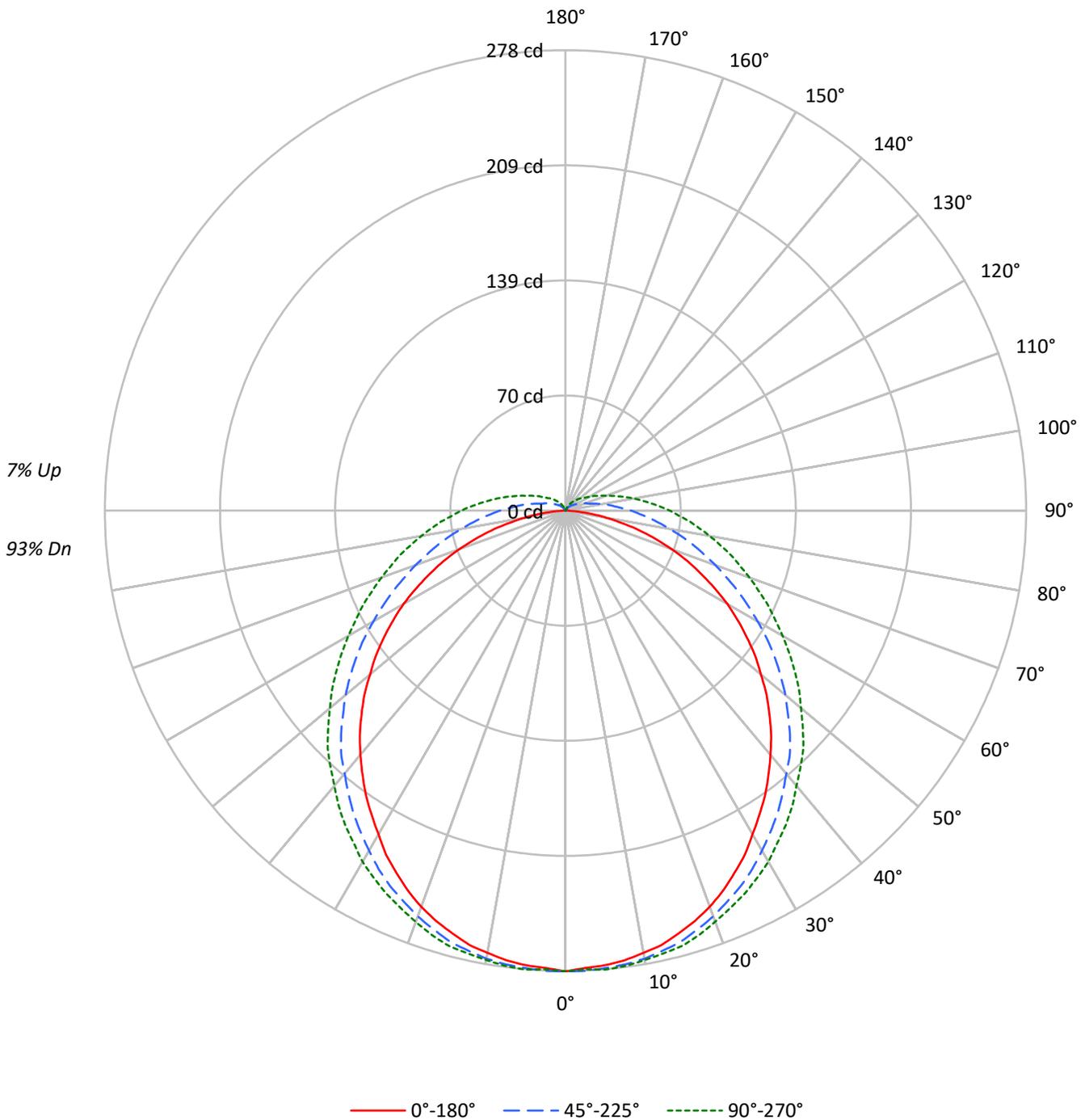
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 954.9 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 8.6
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				
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	39	39	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	29	24	24	24	24	22
10	50	37	29	24	49	36	28	23	35	28	23	33	27	22	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4539	4539	4539
5°	4493	4441	4435
10°	4452	4353	4328
15°	4401	4256	4241
20°	4338	4138	4119
25°	4242	4020	4013
30°	4127	3887	3909
35°	4032	3763	3788
40°	3927	3629	3660
45°	3816	3514	3569
50°	3678	3362	3431
55°	3540	3201	3320
60°	3373	3017	3203
65°	3126	2848	3114
70°	2842	2685	3031
75°	2445	2556	3003
80°	1838	2436	2996
85°	1017	2402	3079

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3816 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	2.8
10°-20°	75.8	7.9
20°-30°	114.9	12.0
30°-40°	139.0	14.6
40°-50°	146.5	15.3
50°-60°	136.7	14.3
60°-70°	112.9	11.8
70°-80°	81.9	8.6
80°-90°	51.7	5.4
90°-100°	30.9	3.2
100°-110°	17.7	1.9
110°-120°	10.0	1.1
120°-130°	5.7	0.6
130°-140°	3.1	0.3
140°-150°	1.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	217.1	22.7
0°-40°	356.1	37.3
0°-60°	639.4	67.0
0°-90°	885.9	92.8
90°-120°	58.6	6.1
90°-150°	68.8	7.2
90°-180°	69.0	7.2
0°-180°	954.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	278	278	278	278	278	
5°	276	278	277	277	278	26
15°	264	268	269	270	272	75
25°	241	245	250	254	255	111
35°	210	215	223	229	232	131
45°	174	181	192	200	203	134
55°	134	142	154	164	169	120
65°	90	100	115	129	135	89
75°	46	59	80	96	103	49
85°	9	27	51	68	75	11
90°	0	17	39	56	63	0
95°	0	10	30	46	52	0
105°	0	4	17	29	33	0
115°	0	2	10	18	21	0
125°	0	1	6	11	13	0
135°	0	0	4	7	9	0
145°	0	0	2	4	5	0
155°	0	0	0	1	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°	278.2	278.2	278.2	278.2	278.2
2.5°	276.4	279.1	278.2	277.3	277.3
5°	275.6	278.2	277.3	277.3	278.2
7.5°	273.8	276.4	276.4	276.4	277.3
10°	271.2	274.7	274.7	274.7	275.6
12.5°	268.6	271.2	272.1	272.9	273.8
15°	264.2	267.7	269.4	270.3	272.1
17.5°	259.8	262.4	265.1	267.7	268.6
20°	254.6	258.1	260.7	263.3	264.2
22.5°	248.4	251.9	255.4	258.1	259.8
25°	241.4	244.9	250.2	253.7	255.4
27.5°	234.4	237.9	244.1	248.4	250.2
30°	225.7	230.9	237.1	242.3	244.9
32.5°	217.8	223.1	230.1	236.2	237.9
35°	209.9	215.2	223.1	229.2	231.8
37.5°	201.2	207.3	215.2	222.2	224.8
40°	192.5	198.6	207.3	215.2	216.9
42.5°	183.7	189.8	200.3	207.3	209.9
45°	174.1	181.1	191.6	199.5	203.0
47.5°	164.5	171.5	182.0	190.7	194.2
50°	154.0	161.8	173.2	182.0	185.5
52.5°	144.3	152.2	163.6	173.2	177.6
55°	133.8	141.7	154.0	164.5	168.8
57.5°	123.3	131.2	144.3	155.7	160.1
60°	112.8	120.7	133.8	147.0	151.3
62.5°	101.5	110.2	124.2	137.3	142.6
65°	90.1	99.7	114.6	128.6	134.7
67.5°	79.6	89.2	105.0	120.7	126.0
70°	68.2	78.7	96.2	112.0	118.1
72.5°	56.9	68.2	87.5	104.1	110.2
75°	46.4	58.6	79.6	96.2	103.2
77.5°	35.0	49.9	71.7	89.2	95.4
80°	25.4	41.1	63.9	82.2	88.4
82.5°	16.6	33.2	56.9	75.2	81.4
85°	8.7	27.1	50.7	68.2	75.2
87.5°	2.6	21.0	44.6	62.1	68.2
90°	0.0	16.6	39.4	56.0	63.0
92.5°	0.0	13.1	34.1	50.7	56.9
95°	0.0	10.5	29.7	45.5	51.6
97.5°	0.0	8.7	26.2	41.1	46.4
100°	0.0	7.0	22.7	36.7	42.0
102.5°	0.0	5.2	19.2	32.4	37.6
105°	0.0	3.5	16.6	28.9	33.2
107.5°	0.0	2.6	14.0	25.4	29.7
110°	0.0	2.6	13.1	21.9	26.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	1.7	11.4	20.1	23.6
115°	0.0	1.7	9.6	17.5	21.0
117.5°	0.0	1.7	8.7	15.7	19.2
120°	0.0	1.7	7.9	14.0	16.6
122.5°	0.0	0.9	7.0	12.2	14.9
125°	0.0	0.9	6.1	11.4	13.1
127.5°	0.0	0.9	5.2	10.5	12.2
130°	0.0	0.9	5.2	9.6	11.4
132.5°	0.0	0.0	4.4	8.7	10.5
135°	0.0	0.0	3.5	7.0	8.7
137.5°	0.0	0.0	3.5	6.1	7.9
140°	0.0	0.0	2.6	6.1	7.0
142.5°	0.0	0.0	1.7	5.2	6.1
145°	0.0	0.0	1.7	4.4	5.2
147.5°	0.0	0.0	0.9	3.5	4.4
150°	0.0	0.0	0.9	2.6	3.5
152.5°	0.0	0.0	0.0	1.7	2.6
155°	0.0	0.0	0.0	0.9	1.7
157.5°	0.0	0.0	0.0	0.0	0.9
160°	0.0	0.0	0.0	0.0	0.0
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	14.54	16.07	15.01	16.53	17.02	16.51	18.05	16.99	18.51	19.00
	3H	16.04	17.44	16.53	17.91	18.44	18.93	20.33	19.41	20.80	21.33
	4H	16.52	17.85	17.03	18.34	18.88	20.11	21.44	20.61	21.92	22.47
	6H	16.80	18.03	17.32	18.54	19.10	21.33	22.57	21.85	23.07	23.63
	8H	16.85	18.04	17.38	18.56	19.13	21.95	23.14	22.48	23.66	24.23
	12H	16.87	18.00	17.40	18.52	19.12	22.62	23.76	23.16	24.27	24.87
4H	2H	15.40	16.73	15.91	17.22	17.76	16.95	18.28	17.46	18.76	19.31
	3H	17.14	18.28	17.66	18.81	19.37	19.59	20.73	20.11	21.26	21.82
	4H	17.75	18.79	18.29	19.33	19.93	20.95	21.98	21.49	22.53	23.12
	6H	18.16	19.07	18.71	19.64	20.25	22.37	23.29	22.93	23.85	24.46
	8H	18.25	19.12	18.82	19.68	20.31	23.10	23.96	23.66	24.53	25.15
	12H	18.30	19.08	18.89	19.68	20.31	23.89	24.67	24.48	25.27	25.90
8H	4H	18.43	19.29	18.99	19.86	20.48	21.17	22.03	21.74	22.60	23.23
	6H	19.02	19.75	19.61	20.36	20.99	22.77	23.50	23.37	24.11	24.74
	8H	19.20	19.86	19.81	20.48	21.13	23.64	24.30	24.25	24.92	25.56
	12H	19.32	19.91	19.93	20.52	21.23	24.62	25.21	25.23	25.82	26.53
12H	4H	18.62	19.40	19.21	20.00	20.63	21.18	21.96	21.77	22.56	23.19
	6H	19.31	19.97	19.92	20.59	21.23	22.81	23.47	23.42	24.09	24.73
	8H	19.59	20.18	20.20	20.79	21.50	23.75	24.34	24.36	24.95	25.66