

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: P1356960

Luminaire Tested: 2ASL4-5HE-2-92765-UNV_6500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356960
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_6500K
Description: 2FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

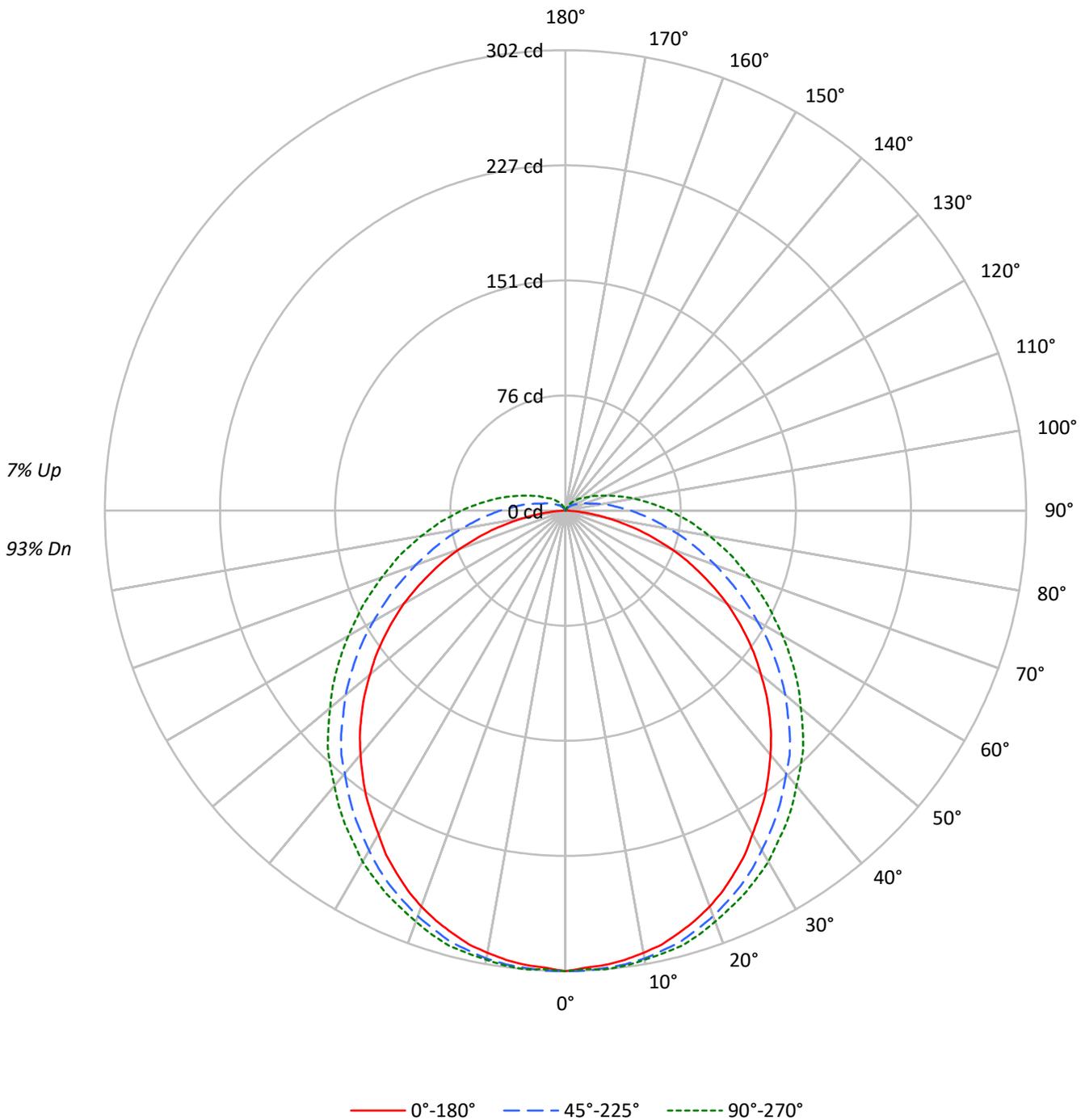
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1036.9 lumens
Efficiency: N/A
Efficacy: 120.6 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°	4929	4929	4929
5°	4878	4823	4816
10°	4834	4727	4698
15°	4779	4623	4604
20°	4709	4493	4473
25°	4607	4366	4359
30°	4482	4220	4245
35°	4380	4086	4113
40°	4263	3941	3976
45°	4143	3815	3875
50°	3994	3651	3725
55°	3844	3475	3605
60°	3663	3276	3479
65°	3393	3091	3382
70°	3088	2916	3291
75°	2650	2774	3262
80°	1990	2642	3250
85°	1110	2611	3345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	2.8
10°-20°	82.3	7.9
20°-30°	124.8	12.0
30°-40°	150.9	14.6
40°-50°	159.1	15.3
50°-60°	148.5	14.3
60°-70°	122.6	11.8
70°-80°	88.9	8.6
80°-90°	56.2	5.4
90°-100°	33.5	3.2
100°-110°	19.2	1.9
110°-120°	10.9	1.1
120°-130°	6.2	0.6
130°-140°	3.4	0.3
140°-150°	1.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	235.8	22.7
0°-40°	386.7	37.3
0°-60°	694.3	67.0
0°-90°	961.9	92.8
90°-120°	63.6	6.1
90°-150°	74.7	7.2
90°-180°	75.0	7.2
0°-180°	1036.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	302	302	302	302	302	
5°	299	302	301	301	302	28
15°	287	291	293	294	295	81
25°	262	266	272	276	277	121
35°	228	234	242	249	252	142
45°	189	197	208	217	220	146
55°	145	154	167	179	183	130
65°	98	108	124	140	146	97
75°	50	64	86	104	112	53
85°	10	29	55	74	82	12
90°	0	18	43	61	68	0
95°	0	11	32	49	56	0
105°	0	4	18	31	36	0
115°	0	2	10	19	23	0
125°	0	1	7	12	14	0
135°	0	0	4	8	10	0
145°	0	0	2	5	6	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°	302.1	302.1	302.1	302.1	302.1
2.5°	300.2	303.0	302.1	301.1	301.1
5°	299.2	302.1	301.1	301.1	302.1
7.5°	297.3	300.2	300.2	300.2	301.1
10°	294.5	298.3	298.3	298.3	299.2
12.5°	291.6	294.5	295.4	296.4	297.3
15°	286.9	290.7	292.6	293.5	295.4
17.5°	282.1	285.0	287.8	290.7	291.6
20°	276.4	280.2	283.1	285.9	286.9
22.5°	269.8	273.6	277.4	280.2	282.1
25°	262.2	266.0	271.7	275.5	277.4
27.5°	254.6	258.4	265.0	269.8	271.7
30°	245.1	250.8	257.4	263.1	266.0
32.5°	236.5	242.2	249.8	256.5	258.4
35°	228.0	233.7	242.2	248.9	251.7
37.5°	218.5	225.1	233.7	241.3	244.1
40°	209.0	215.6	225.1	233.7	235.6
42.5°	199.5	206.1	217.5	225.1	228.0
45°	189.0	196.6	208.0	216.6	220.4
47.5°	178.6	186.2	197.6	207.1	210.9
50°	167.2	175.7	188.1	197.6	201.4
52.5°	156.7	165.3	177.6	188.1	192.8
55°	145.3	153.9	167.2	178.6	183.3
57.5°	133.9	142.5	156.7	169.1	173.8
60°	122.5	131.1	145.3	159.6	164.3
62.5°	110.2	119.7	134.9	149.1	154.8
65°	97.8	108.3	124.4	139.6	146.3
67.5°	86.4	96.9	114.0	131.1	136.8
70°	74.1	85.5	104.5	121.6	128.2
72.5°	61.7	74.1	95.0	113.0	119.7
75°	50.3	63.6	86.4	104.5	112.1
77.5°	38.0	54.1	77.9	96.9	103.5
80°	27.5	44.6	69.3	89.3	95.9
82.5°	18.0	36.1	61.7	81.7	88.3
85°	9.5	29.4	55.1	74.1	81.7
87.5°	2.8	22.8	48.4	67.4	74.1
90°	0.0	18.0	42.7	60.8	68.4
92.5°	0.0	14.2	37.0	55.1	61.7
95°	0.0	11.4	32.3	49.4	56.0
97.5°	0.0	9.5	28.5	44.6	50.3
100°	0.0	7.6	24.7	39.9	45.6
102.5°	0.0	5.7	20.9	35.1	40.8
105°	0.0	3.8	18.0	31.3	36.1
107.5°	0.0	2.8	15.2	27.5	32.3
110°	0.0	2.8	14.2	23.7	28.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	1.9	12.3	21.8	25.6
115°	0.0	1.9	10.4	19.0	22.8
117.5°	0.0	1.9	9.5	17.1	20.9
120°	0.0	1.9	8.5	15.2	18.0
122.5°	0.0	0.9	7.6	13.3	16.1
125°	0.0	0.9	6.6	12.3	14.2
127.5°	0.0	0.9	5.7	11.4	13.3
130°	0.0	0.9	5.7	10.4	12.3
132.5°	0.0	0.0	4.7	9.5	11.4
135°	0.0	0.0	3.8	7.6	9.5
137.5°	0.0	0.0	3.8	6.6	8.5
140°	0.0	0.0	2.8	6.6	7.6
142.5°	0.0	0.0	1.9	5.7	6.6
145°	0.0	0.0	1.9	4.7	5.7
147.5°	0.0	0.0	0.9	3.8	4.7
150°	0.0	0.0	0.9	2.8	3.8
152.5°	0.0	0.0	0.0	1.9	2.8
155°	0.0	0.0	0.0	0.9	1.9
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	14.82	16.36	15.30	16.82	17.31	16.80	18.34	17.27	18.80	19.29
	3H	16.33	17.73	16.81	18.20	18.73	19.22	20.62	19.70	21.09	21.62
	4H	16.81	18.14	17.31	18.62	19.17	20.39	21.72	20.90	22.21	22.75
	6H	17.08	18.32	17.60	18.82	19.38	21.62	22.85	22.13	23.35	23.91
	8H	17.14	18.32	17.67	18.85	19.41	22.24	23.42	22.77	23.95	24.51
	12H	17.15	18.29	17.69	18.81	19.40	22.91	24.04	23.44	24.56	25.16
4H	2H	15.69	17.01	16.19	17.50	18.05	17.24	18.56	17.74	19.05	19.59
	3H	17.43	18.56	17.95	19.09	19.66	19.88	21.01	20.40	21.54	22.11
	4H	18.04	19.08	18.58	19.62	20.22	21.24	22.27	21.77	22.81	23.41
	6H	18.44	19.36	19.00	19.92	20.54	22.66	23.57	23.21	24.14	24.75
	8H	18.54	19.40	19.10	19.97	20.59	23.38	24.24	23.95	24.81	25.44
	12H	18.59	19.37	19.17	19.96	20.59	24.18	24.96	24.76	25.55	26.18
8H	4H	18.72	19.58	19.28	20.14	20.77	21.46	22.32	22.02	22.89	23.51
	6H	19.30	20.03	19.90	20.64	21.27	23.06	23.79	23.65	24.39	25.03
	8H	19.49	20.15	20.10	20.77	21.41	23.93	24.59	24.54	25.21	25.85
	12H	19.61	20.20	20.22	20.81	21.52	24.91	25.50	25.52	26.10	26.81
12H	4H	18.91	19.69	19.49	20.28	20.91	21.47	22.25	22.05	22.85	23.48
	6H	19.59	20.25	20.20	20.87	21.52	23.10	23.76	23.70	24.38	25.02
	8H	19.88	20.47	20.49	21.08	21.79	24.04	24.63	24.65	25.24	25.95