

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: P1356941

Luminaire Tested: 2ASL4-5-1-92765-UNV_3000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356941
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: 2ASL4-5-1-92765-UNV_3000K
Description: 2FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

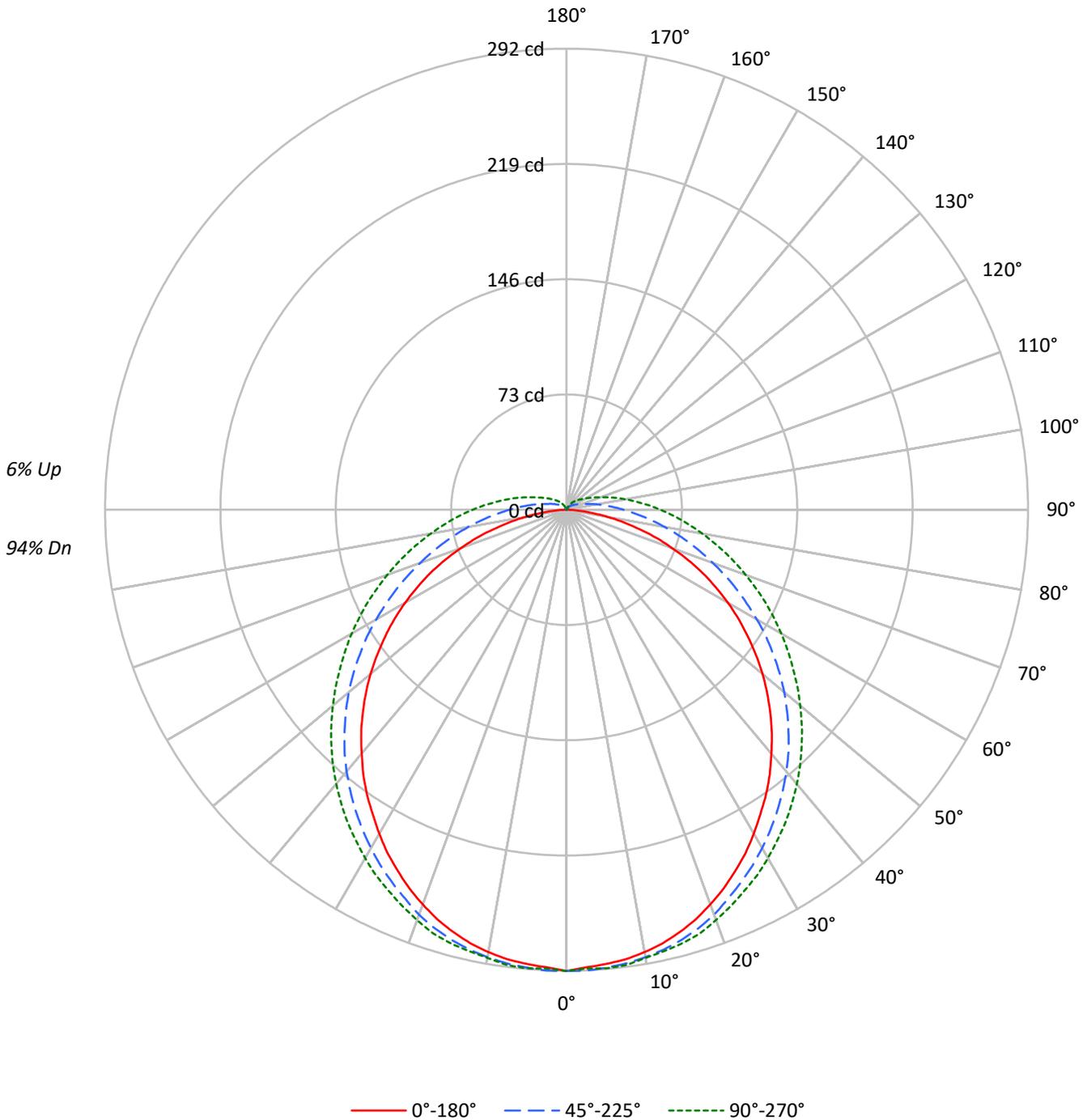
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 978.0 lumens
Efficiency: N/A
Efficacy: 113.7 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): 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

TEST NUMBER: P1356941
CATALOG NUMBER: 2ASL4-5-1-92765-UNV_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1356941
 CATALOG NUMBER: 2ASL4-5-1-92765-UNV_3000K

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	78	78	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	64	64	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	54	54	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	46	46	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	40	40	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	35	35	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	31	31	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	27	27	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	25	25	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	22	22	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4766	4766	4766
5°	4708	4662	4647
10°	4670	4561	4525
15°	4612	4454	4430
20°	4532	4333	4312
25°	4437	4189	4184
30°	4332	4058	4067
35°	4228	3924	3948
40°	4112	3788	3825
45°	3998	3642	3701
50°	3867	3490	3570
55°	3707	3317	3438
60°	3529	3136	3324
65°	3303	2947	3208
70°	2959	2749	3095
75°	2524	2568	3009
80°	1939	2406	2955
85°	1040	2284	2977

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3998 cd/sqm



TEST NUMBER: P1356941
 CATALOG NUMBER: 2ASL4-5-1-92765-UNV_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	2.8
10°-20°	79.4	8.1
20°-30°	120.1	12.3
30°-40°	145.1	14.8
40°-50°	152.6	15.6
50°-60°	142.1	14.5
60°-70°	116.8	11.9
70°-80°	82.9	8.5
80°-90°	50.0	5.1
90°-100°	28.0	2.9
100°-110°	15.5	1.6
110°-120°	8.7	0.9
120°-130°	5.0	0.5
130°-140°	2.7	0.3
140°-150°	1.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	227.1	23.2
0°-40°	372.3	38.1
0°-60°	667.0	68.2
0°-90°	916.6	93.7
90°-120°	52.1	5.3
90°-150°	61.1	6.2
90°-180°	61.0	6.2
0°-180°	978.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	292	292	292	292	292	
5°	289	292	291	291	292	27
15°	277	281	282	283	284	78
25°	252	257	261	264	266	116
35°	220	226	233	239	242	138
45°	182	189	199	207	210	141
55°	140	148	160	170	175	125
65°	95	104	119	132	139	94
75°	48	60	80	96	103	51
85°	9	26	48	66	73	11
90°	0	15	36	53	59	0
95°	0	9	26	42	48	0
105°	0	3	14	25	30	0
115°	0	2	9	15	18	0
125°	0	1	5	10	12	0
135°	0	0	3	6	8	0
145°	0	0	1	4	5	0
155°	0	0	0	1	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1356941

CATALOG NUMBER: 2ASL4-5-1-92765-UNV_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	292.1	292.1	292.1	292.1	292.1
2.5°	290.1	292.8	292.1	290.8	290.8
5°	288.8	291.5	291.1	290.8	291.5
7.5°	287.2	289.8	289.8	290.1	290.8
10°	284.5	287.8	287.8	287.8	288.2
12.5°	281.2	284.5	285.2	285.5	286.2
15°	276.9	280.6	281.9	283.2	284.2
17.5°	272.0	275.6	277.9	279.6	281.2
20°	266.0	270.0	273.0	274.9	276.6
22.5°	259.7	263.7	266.7	269.6	271.6
25°	252.5	257.1	260.7	264.4	266.3
27.5°	245.2	249.8	254.4	258.7	261.1
30°	236.9	242.2	247.5	252.5	254.8
32.5°	228.3	234.0	240.2	245.5	248.2
35°	220.1	225.7	232.6	238.6	241.6
37.5°	211.2	216.8	224.7	231.3	234.3
40°	201.6	207.9	216.4	223.4	226.7
42.5°	192.3	198.6	207.9	215.5	218.8
45°	182.4	189.0	198.6	206.9	210.5
47.5°	172.2	179.1	189.3	197.9	201.9
50°	161.9	169.2	179.8	189.0	193.0
52.5°	151.0	158.6	169.9	179.8	184.1
55°	140.1	148.0	159.6	170.2	174.8
57.5°	129.2	137.1	149.7	160.9	165.9
60°	118.0	126.2	139.1	151.3	157.0
62.5°	106.4	115.0	128.5	141.8	147.7
65°	95.2	103.8	118.6	132.5	138.8
67.5°	83.3	92.5	108.4	122.9	129.5
70°	71.0	81.6	98.5	114.0	120.6
72.5°	60.1	71.0	89.2	105.1	112.0
75°	47.9	60.1	80.0	96.5	103.4
77.5°	37.3	50.6	71.4	88.2	95.2
80°	26.8	41.3	63.1	80.3	87.2
82.5°	17.2	33.0	55.5	73.0	79.6
85°	8.9	25.8	48.2	66.1	72.7
87.5°	2.6	19.8	41.6	59.2	65.8
90°	0.0	15.2	36.0	52.9	59.2
92.5°	0.0	11.6	31.1	47.3	53.5
95°	0.0	8.9	26.4	41.6	47.6
97.5°	0.0	6.9	22.8	36.7	42.6
100°	0.0	5.6	19.5	32.4	38.0
102.5°	0.0	4.6	16.9	28.7	33.7
105°	0.0	3.3	13.9	25.1	29.7
107.5°	0.0	2.3	12.2	22.1	26.1
110°	0.0	2.0	10.9	19.2	23.1



TEST NUMBER: P1356941

CATALOG NUMBER: 2ASL4-5-1-92765-UNV_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	1.7	9.6	17.2	20.5
115°	0.0	1.7	8.6	15.2	18.2
117.5°	0.0	1.3	7.3	13.5	16.2
120°	0.0	1.3	6.6	12.2	14.5
122.5°	0.0	1.0	5.9	10.9	13.2
125°	0.0	1.0	5.3	9.9	11.6
127.5°	0.0	0.7	4.6	8.9	10.6
130°	0.0	0.7	4.3	7.9	9.6
132.5°	0.0	0.3	4.0	7.3	8.6
135°	0.0	0.3	3.3	6.3	7.9
137.5°	0.0	0.0	3.0	5.6	6.9
140°	0.0	0.0	2.3	5.0	6.3
142.5°	0.3	0.0	2.0	4.3	5.3
145°	0.3	0.0	1.3	3.6	4.6
147.5°	0.3	0.3	1.0	3.0	3.6
150°	0.3	0.3	0.7	2.0	3.0
152.5°	0.3	0.3	0.3	1.3	2.0
155°	0.3	0.3	0.0	1.0	1.3
157.5°	0.3	0.3	0.0	0.3	0.7
160°	0.3	0.3	0.0	0.0	0.3
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



TEST NUMBER: P1356941
 CATALOG NUMBER: 2ASL4-5-1-92765-UNV_3000K

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	14.80	16.35	15.26	16.79	17.26	16.70	18.25	17.16	18.69	19.16
	3H	16.29	17.71	16.76	18.16	18.67	19.07	20.49	19.54	20.94	21.45
	4H	16.77	18.11	17.26	18.58	19.10	20.21	21.55	20.70	22.02	22.54
	6H	17.05	18.29	17.55	18.78	19.32	21.37	22.62	21.87	23.10	23.64
	8H	17.10	18.29	17.62	18.80	19.35	21.95	23.15	22.47	23.66	24.20
	12H	17.11	18.26	17.64	18.76	19.34	22.58	23.72	23.10	24.23	24.80
4H	2H	15.65	16.99	16.14	17.46	17.98	17.14	18.48	17.63	18.95	19.47
	3H	17.38	18.52	17.88	19.03	19.58	19.74	20.88	20.24	21.39	21.94
	4H	17.98	19.02	18.50	19.54	20.12	21.04	22.08	21.57	22.61	23.19
	6H	18.37	19.30	18.92	19.85	20.44	22.39	23.31	22.93	23.86	24.45
	8H	18.47	19.33	19.02	19.88	20.49	23.08	23.94	23.63	24.49	25.10
	12H	18.51	19.30	19.08	19.88	20.49	23.82	24.61	24.40	25.19	25.80
8H	4H	18.61	19.48	19.16	20.03	20.63	21.26	22.12	21.81	22.67	23.28
	6H	19.18	19.91	19.76	20.50	21.12	22.77	23.51	23.36	24.10	24.71
	8H	19.35	20.02	19.95	20.62	21.24	23.60	24.26	24.19	24.87	25.49
	12H	19.46	20.06	20.06	20.65	21.34	24.53	25.12	25.13	25.71	26.40
12H	4H	18.78	19.57	19.35	20.15	20.76	21.26	22.05	21.84	22.63	23.24
	6H	19.44	20.10	20.04	20.71	21.33	22.81	23.47	23.40	24.08	24.70
	8H	19.71	20.30	20.31	20.89	21.58	23.70	24.30	24.30	24.89	25.58