

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: P1357553

Luminaire Tested: 8ASL4-5-1-92765-UNV\_3000K

Issue Date: 2/17/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1357553  
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: 8ASL4-5-1-92765-UNV\_3000K  
Description: 8FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 1 ROW  
Light Source: -  
Ballast/Driver: -

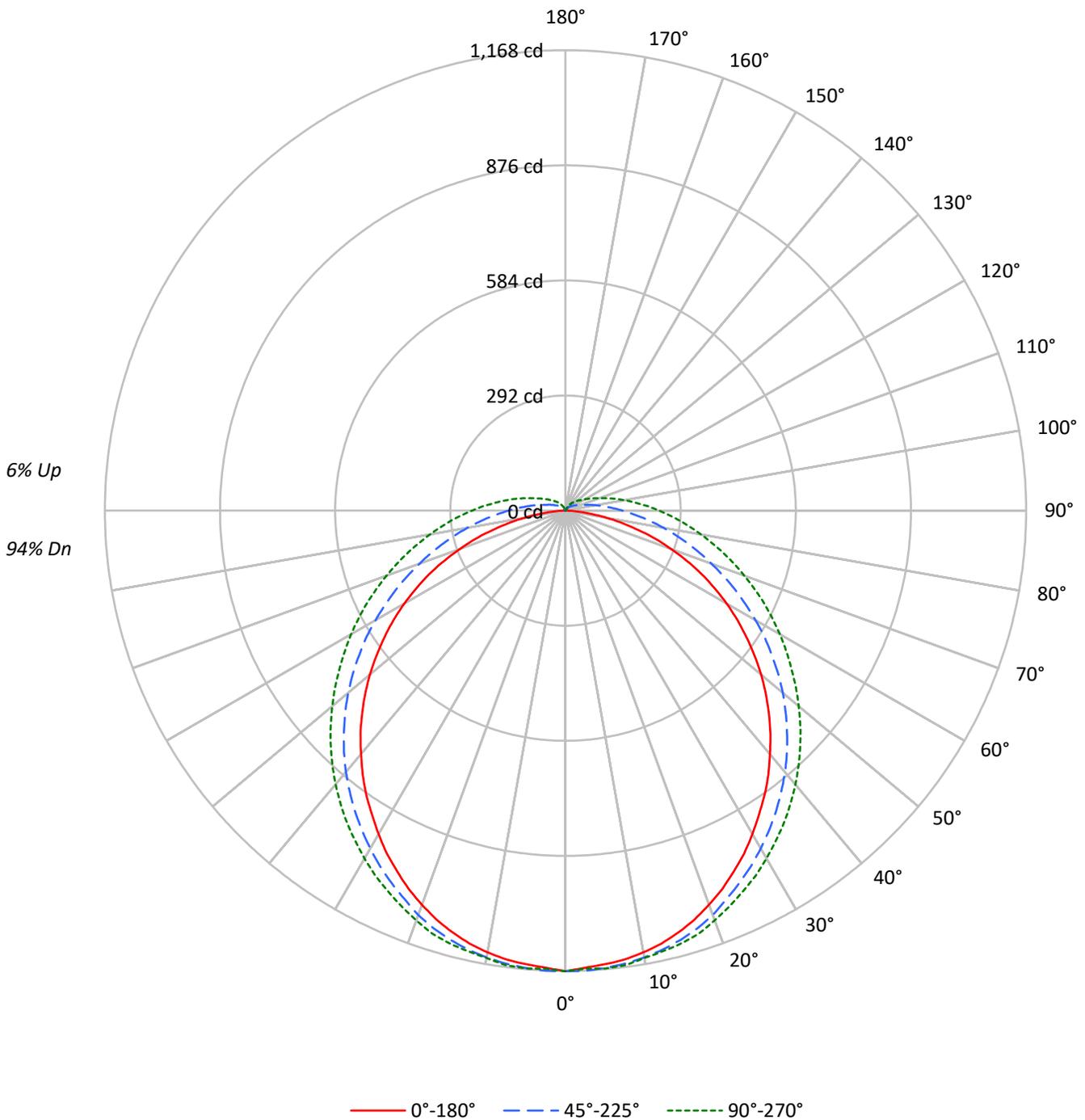
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3912.0 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 7.98' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 34.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	4729	4729	4729
5°	4688	4637	4610
10°	4666	4547	4489
15°	4625	4450	4395
20°	4561	4339	4278
25°	4482	4206	4152
30°	4396	4084	4034
35°	4310	3959	3917
40°	4214	3834	3795
45°	4122	3696	3672
50°	4016	3553	3541
55°	3882	3390	3411
60°	3735	3220	3297
65°	3546	3042	3183
70°	3246	2855	3072
75°	2858	2691	2986
80°	2324	2552	2934
85°	1442	2468	2953

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4122 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.7	2.8
10°-20°	317.6	8.1
20°-30°	480.3	12.3
30°-40°	580.5	14.8
40°-50°	610.3	15.6
50°-60°	568.6	14.5
60°-70°	467.1	11.9
70°-80°	331.6	8.5
80°-90°	199.9	5.1
90°-100°	112.0	2.9
100°-110°	62.0	1.6
110°-120°	34.6	0.9
120°-130°	19.9	0.5
130°-140°	10.9	0.3
140°-150°	4.8	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	908.5	23.2
0°-40°	1489.1	38.1
0°-60°	2668.0	68.2
0°-90°	3666.6	93.7
90°-120°	208.6	5.3
90°-150°	244.2	6.2
90°-180°	245.0	6.3
0°-180°	3912.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1155	1166	1164	1163	1166	110
15°	1108	1122	1128	1133	1137	312
25°	1010	1028	1043	1057	1065	465
35°	880	903	931	954	966	550
45°	730	756	794	828	842	563
55°	560	592	638	681	699	501
65°	381	415	474	530	555	375
75°	192	241	320	386	414	205
85°	36	103	193	264	291	44
90°	0	61	144	212	237	1
95°	0	36	106	166	190	0
105°	0	13	56	100	119	0
115°	0	7	34	61	73	0
125°	0	4	21	40	46	0
135°	0	1	13	25	32	0
145°	1	0	5	14	18	1
155°	1	1	0	4	5	1
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°	1168.5	1168.5	1168.5	1168.5	1168.5
2.5°	1160.6	1171.1	1168.5	1163.2	1163.2
5°	1155.3	1165.8	1164.5	1163.2	1165.8
7.5°	1148.7	1159.2	1159.2	1160.6	1163.2
10°	1138.1	1151.3	1151.3	1151.3	1152.6
12.5°	1124.9	1138.1	1140.7	1142.0	1144.7
15°	1107.7	1122.2	1127.5	1132.8	1136.8
17.5°	1087.9	1102.4	1111.6	1118.3	1124.9
20°	1064.1	1079.9	1091.8	1099.7	1106.4
22.5°	1038.9	1054.8	1066.7	1078.6	1086.5
25°	1009.9	1028.4	1042.9	1057.4	1065.4
27.5°	980.8	999.3	1017.8	1035.0	1044.2
30°	947.7	968.9	990.0	1009.9	1019.1
32.5°	913.4	935.8	961.0	982.1	992.7
35°	880.3	902.8	930.6	954.3	966.2
37.5°	844.6	867.1	898.8	925.3	937.2
40°	806.3	831.4	865.8	893.5	906.8
42.5°	769.3	794.4	831.4	861.8	875.0
45°	729.6	756.1	794.4	827.5	842.0
47.5°	688.7	716.4	757.4	791.8	807.6
50°	647.7	676.8	719.1	756.1	771.9
52.5°	604.1	634.5	679.4	719.1	736.2
55°	560.4	592.2	638.4	680.7	699.2
57.5°	516.8	548.6	598.8	643.7	663.5
60°	471.9	504.9	556.5	605.4	627.9
62.5°	425.6	460.0	514.2	567.1	590.8
65°	380.7	415.0	474.5	530.0	555.2
67.5°	333.1	370.1	433.6	491.7	518.2
70°	284.2	326.5	393.9	456.0	482.5
72.5°	240.6	284.2	356.9	420.3	448.1
75°	191.7	240.6	319.9	386.0	413.7
77.5°	149.4	202.2	285.5	352.9	380.7
80°	107.1	165.2	252.5	321.2	349.0
82.5°	68.7	132.2	222.1	292.1	318.6
85°	35.7	103.1	193.0	264.4	290.8
87.5°	10.6	79.3	166.5	236.6	263.0
90°	0.0	60.8	144.1	211.5	236.6
92.5°	0.0	46.3	124.3	189.0	214.1
95°	0.0	35.7	105.7	166.5	190.3
97.5°	0.0	27.8	91.2	146.7	170.5
100°	0.0	22.5	78.0	129.5	152.0
102.5°	0.0	18.5	67.4	115.0	134.8
105°	0.0	13.2	55.5	100.5	119.0
107.5°	0.0	9.3	48.9	88.6	104.4
110°	0.0	7.9	43.6	76.7	92.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	6.6	38.3	68.7	82.0
115°	0.0	6.6	34.4	60.8	72.7
117.5°	0.0	5.3	29.1	54.2	64.8
120°	0.0	5.3	26.4	48.9	58.2
122.5°	0.0	4.0	23.8	43.6	52.9
125°	0.0	4.0	21.1	39.7	46.3
127.5°	0.0	2.6	18.5	35.7	42.3
130°	0.0	2.6	17.2	31.7	38.3
132.5°	0.0	1.3	15.9	29.1	34.4
135°	0.0	1.3	13.2	25.1	31.7
137.5°	0.0	0.0	11.9	22.5	27.8
140°	0.0	0.0	9.3	19.8	25.1
142.5°	1.3	0.0	7.9	17.2	21.1
145°	1.3	0.0	5.3	14.5	18.5
147.5°	1.3	1.3	4.0	11.9	14.5
150°	1.3	1.3	2.6	7.9	11.9
152.5°	1.3	1.3	1.3	5.3	7.9
155°	1.3	1.3	0.0	4.0	5.3
157.5°	1.3	1.3	0.0	1.3	2.6
160°	1.3	1.3	0.0	0.0	1.3
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



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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	16.37	15.28	16.81	17.28	16.84	18.39	17.30	18.84	19.30
	3H	16.31	17.72	16.78	18.18	18.69	19.27	20.69	19.74	21.14	21.65
	4H	16.78	18.12	17.28	18.60	19.12	20.45	21.79	20.95	22.27	22.79
	6H	17.06	18.31	17.57	18.79	19.33	21.69	22.94	22.19	23.42	23.96
	8H	17.11	18.31	17.63	18.82	19.36	22.33	23.53	22.85	24.04	24.58
	12H	17.13	18.27	17.65	18.77	19.35	23.05	24.20	23.57	24.70	25.27
4H	2H	15.69	17.03	16.18	17.50	18.02	17.28	18.62	17.77	19.09	19.61
	3H	17.42	18.56	17.92	19.07	19.62	19.93	21.07	20.43	21.58	22.13
	4H	18.02	19.06	18.54	19.59	20.16	21.28	22.32	21.80	22.85	23.42
	6H	18.41	19.34	18.96	19.89	20.48	22.70	23.62	23.25	24.17	24.77
	8H	18.51	19.37	19.06	19.92	20.53	23.45	24.31	24.00	24.87	25.47
	12H	18.55	19.34	19.12	19.92	20.53	24.29	25.08	24.86	25.66	26.27
8H	4H	18.68	19.54	19.23	20.10	20.70	21.49	22.35	22.04	22.91	23.51
	6H	19.25	19.98	19.83	20.57	21.19	23.08	23.81	23.66	24.40	25.02
	8H	19.42	20.09	20.02	20.69	21.31	23.96	24.62	24.56	25.23	25.85
	12H	19.53	20.12	20.13	20.72	21.41	24.99	25.58	25.58	26.17	26.86
12H	4H	18.86	19.65	19.44	20.23	20.84	21.50	22.28	22.07	22.86	23.47
	6H	19.53	20.19	20.12	20.79	21.42	23.11	23.77	23.71	24.38	25.00
	8H	19.80	20.39	20.39	20.98	21.67	24.06	24.65	24.66	25.25	25.94