

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: P1357556

Luminaire Tested: 8ASL4-5-1-92765-UNV_5000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357556
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_5000K
Description: 8FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 5000K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

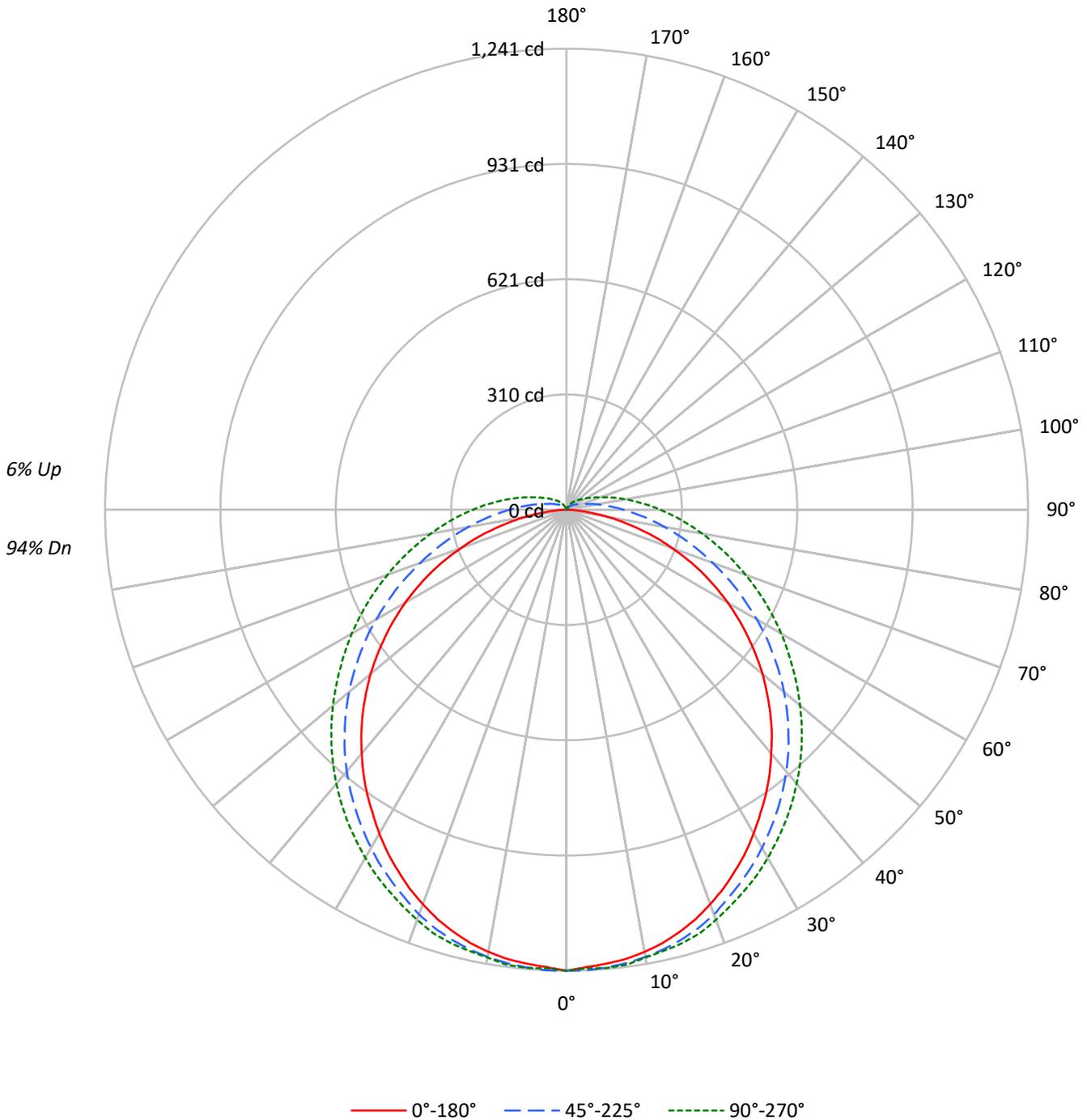
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4154.0 lumens
Efficiency: N/A
Efficacy: 121.5 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_{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°	5022	5022	5022
5°	4978	4925	4896
10°	4955	4828	4767
15°	4911	4725	4667
20°	4843	4607	4543
25°	4759	4466	4409
30°	4668	4336	4284
35°	4577	4204	4159
40°	4474	4070	4030
45°	4377	3925	3899
50°	4264	3772	3760
55°	4122	3600	3622
60°	3966	3419	3501
65°	3765	3231	3380
70°	3447	3032	3262
75°	3034	2857	3171
80°	2467	2710	3115
85°	1531	2620	3136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4377 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	2.8
10°-20°	337.3	8.1
20°-30°	510.0	12.3
30°-40°	616.4	14.8
40°-50°	648.1	15.6
50°-60°	603.7	14.5
60°-70°	496.0	11.9
70°-80°	352.1	8.5
80°-90°	212.3	5.1
90°-100°	118.9	2.9
100°-110°	65.9	1.6
110°-120°	36.7	0.9
120°-130°	21.2	0.5
130°-140°	11.6	0.3
140°-150°	5.1	0.1
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	964.7	23.2
0°-40°	1581.2	38.1
0°-60°	2833.0	68.2
0°-90°	3893.4	93.7
90°-120°	221.5	5.3
90°-150°	259.4	6.2
90°-180°	261.0	6.3
0°-180°	4154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1227	1238	1237	1235	1238	117
15°	1176	1192	1197	1203	1207	332
25°	1072	1092	1107	1123	1131	494
35°	935	959	988	1013	1026	584
45°	775	803	844	879	894	597
55°	595	629	678	723	742	532
65°	404	441	504	563	590	399
75°	204	256	340	410	439	218
85°	38	110	205	281	309	47
90°	0	65	153	225	251	2
95°	0	38	112	177	202	0
105°	0	14	59	107	126	0
115°	0	7	36	65	77	0
125°	0	4	22	42	49	0
135°	0	1	14	27	34	0
145°	1	0	6	15	20	1
155°	1	1	0	4	6	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°	1240.8	1240.8	1240.8	1240.8	1240.8
2.5°	1232.3	1243.6	1240.8	1235.2	1235.2
5°	1226.7	1238.0	1236.6	1235.2	1238.0
7.5°	1219.7	1230.9	1230.9	1232.3	1235.2
10°	1208.5	1222.5	1222.5	1222.5	1223.9
12.5°	1194.4	1208.5	1211.3	1212.7	1215.5
15°	1176.2	1191.6	1197.3	1202.9	1207.1
17.5°	1155.1	1170.6	1180.4	1187.4	1194.4
20°	1129.9	1146.7	1159.4	1167.8	1174.8
22.5°	1103.2	1120.1	1132.7	1145.3	1153.7
25°	1072.3	1092.0	1107.4	1122.9	1131.3
27.5°	1041.5	1061.1	1080.8	1099.0	1108.8
30°	1006.4	1028.8	1051.3	1072.3	1082.2
32.5°	969.9	993.7	1020.4	1042.9	1054.1
35°	934.8	958.6	988.1	1013.4	1026.0
37.5°	896.9	920.7	954.4	982.5	995.1
40°	856.2	882.9	919.3	948.8	962.9
42.5°	816.9	843.6	882.9	915.1	929.2
45°	774.8	802.8	843.6	878.6	894.1
47.5°	731.3	760.7	804.3	840.7	857.6
50°	687.8	718.6	763.5	802.8	819.7
52.5°	641.4	673.7	721.4	763.5	781.8
55°	595.1	628.8	677.9	722.8	742.5
57.5°	548.8	582.5	635.8	683.5	704.6
60°	501.1	536.2	590.9	642.8	666.7
62.5°	452.0	488.4	546.0	602.1	627.4
65°	404.2	440.7	503.9	562.8	589.5
67.5°	353.7	393.0	460.4	522.1	550.2
70°	301.8	346.7	418.3	484.2	512.3
72.5°	255.5	301.8	379.0	446.3	475.8
75°	203.5	255.5	339.7	409.8	439.3
77.5°	158.6	214.7	303.2	374.8	404.2
80°	113.7	175.4	268.1	341.1	370.5
82.5°	73.0	140.4	235.8	310.2	338.3
85°	37.9	109.5	204.9	280.7	308.8
87.5°	11.2	84.2	176.9	251.2	279.3
90°	0.0	64.6	153.0	224.6	251.2
92.5°	0.0	49.1	131.9	200.7	227.4
95°	0.0	37.9	112.3	176.9	202.1
97.5°	0.0	29.5	96.8	155.8	181.1
100°	0.0	23.9	82.8	137.6	161.4
102.5°	0.0	19.7	71.6	122.1	143.2
105°	0.0	14.0	59.0	106.7	126.3
107.5°	0.0	9.8	51.9	94.0	110.9
110°	0.0	8.4	46.3	81.4	98.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.0	40.7	73.0	87.0
115°	0.0	7.0	36.5	64.6	77.2
117.5°	0.0	5.6	30.9	57.5	68.8
120°	0.0	5.6	28.1	51.9	61.8
122.5°	0.0	4.2	25.3	46.3	56.1
125°	0.0	4.2	22.5	42.1	49.1
127.5°	0.0	2.8	19.7	37.9	44.9
130°	0.0	2.8	18.2	33.7	40.7
132.5°	0.0	1.4	16.8	30.9	36.5
135°	0.0	1.4	14.0	26.7	33.7
137.5°	0.0	0.0	12.6	23.9	29.5
140°	0.0	0.0	9.8	21.1	26.7
142.5°	1.4	0.0	8.4	18.2	22.5
145°	1.4	0.0	5.6	15.4	19.7
147.5°	1.4	1.4	4.2	12.6	15.4
150°	1.4	1.4	2.8	8.4	12.6
152.5°	1.4	1.4	1.4	5.6	8.4
155°	1.4	1.4	0.0	4.2	5.6
157.5°	1.4	1.4	0.0	1.4	2.8
160°	1.4	1.4	0.0	0.0	1.4
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	15.03	16.58	15.49	17.02	17.49	17.05	18.60	17.51	19.04	19.51
	3H	16.52	17.93	16.99	18.38	18.89	19.48	20.89	19.95	21.35	21.86
	4H	16.99	18.33	17.49	18.80	19.33	20.66	22.00	21.16	22.47	23.00
	6H	17.27	18.52	17.78	19.00	19.54	21.90	23.15	22.40	23.63	24.17
	8H	17.32	18.52	17.84	19.03	19.57	22.54	23.74	23.06	24.24	24.79
	12H	17.33	18.48	17.86	18.98	19.56	23.26	24.41	23.78	24.91	25.48
4H	2H	15.90	17.24	16.39	17.71	18.23	17.48	18.82	17.98	19.29	19.82
	3H	17.63	18.77	18.13	19.28	19.83	20.14	21.28	20.64	21.79	22.34
	4H	18.23	19.27	18.75	19.80	20.37	21.49	22.53	22.01	23.05	23.63
	6H	18.62	19.54	19.17	20.09	20.69	22.91	23.83	23.45	24.38	24.97
	8H	18.71	19.58	19.27	20.13	20.74	23.66	24.52	24.21	25.07	25.68
	12H	18.76	19.54	19.33	20.12	20.73	24.50	25.28	25.07	25.86	26.47
8H	4H	18.89	19.75	19.44	20.30	20.91	21.70	22.56	22.25	23.11	23.72
	6H	19.46	20.19	20.04	20.78	21.39	23.29	24.02	23.87	24.61	25.22
	8H	19.63	20.29	20.23	20.90	21.52	24.17	24.83	24.77	25.44	26.06
	12H	19.74	20.33	20.34	20.93	21.62	25.19	25.79	25.79	26.38	27.07
12H	4H	19.07	19.86	19.64	20.44	21.05	21.70	22.49	22.28	23.07	23.68
	6H	19.73	20.40	20.33	21.00	21.63	23.32	23.98	23.91	24.59	25.21
	8H	20.01	20.60	20.60	21.19	21.88	24.27	24.86	24.87	25.46	26.15