

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: P1357571

Luminaire Tested: 8ASL4-5HE-2-92765-UNV_5000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357571
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: 8ASL4-5HE-2-92765-UNV_5000K
Description: 8FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 5000K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

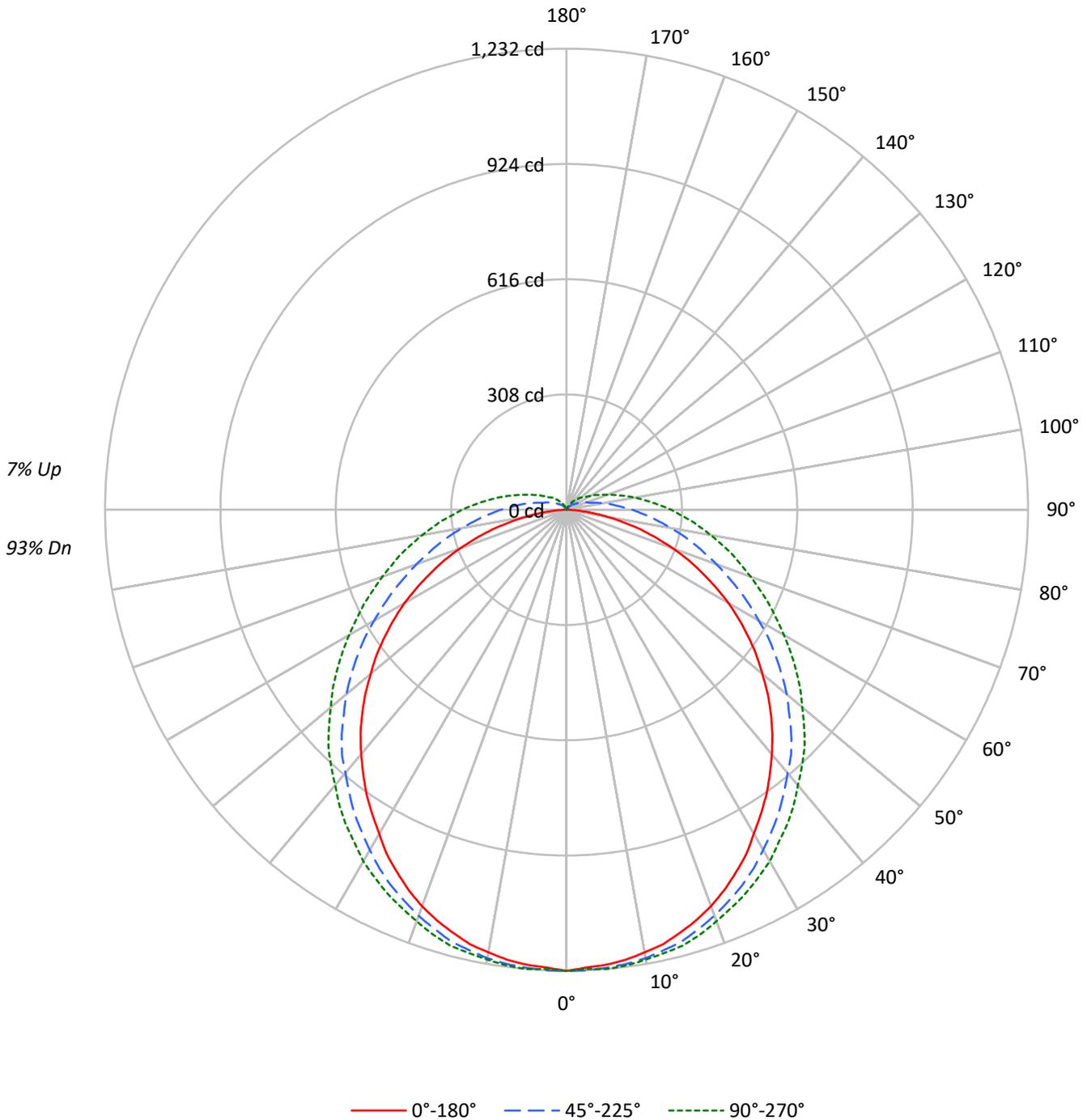
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4229.9 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
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	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°	4987	4987	4987
5°	4953	4891	4873
10°	4925	4805	4754
15°	4886	4710	4659
20°	4833	4589	4525
25°	4746	4469	4410
30°	4637	4331	4295
35°	4553	4204	4162
40°	4454	4066	4022
45°	4356	3948	3920
50°	4228	3790	3768
55°	4106	3621	3648
60°	3956	3430	3520
65°	3718	3254	3421
70°	3452	3089	3330
75°	3063	2966	3300
80°	2439	2860	3290
85°	1564	2873	3384

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4356 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	2.8
10°-20°	335.9	7.9
20°-30°	509.0	12.0
30°-40°	615.6	14.6
40°-50°	649.0	15.3
50°-60°	605.7	14.3
60°-70°	500.1	11.8
70°-80°	362.8	8.6
80°-90°	229.2	5.4
90°-100°	136.8	3.2
100°-110°	78.4	1.9
110°-120°	44.5	1.1
120°-130°	25.4	0.6
130°-140°	13.7	0.3
140°-150°	6.0	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	961.7	22.7
0°-40°	1577.3	37.3
0°-60°	2831.9	66.9
0°-90°	3923.9	92.8
90°-120°	259.7	6.1
90°-150°	304.9	7.2
90°-180°	306.0	7.2
0°-180°	4229.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1232	1232	1232	1232	1232	
5°	1220	1232	1228	1228	1232	116
15°	1170	1186	1193	1197	1205	330
25°	1069	1085	1108	1124	1131	493
35°	930	953	988	1015	1027	581
45°	771	802	849	883	899	595
55°	593	628	682	728	748	530
65°	399	442	508	570	597	396
75°	205	260	353	426	457	216
85°	39	120	225	302	333	47
90°	0	74	174	248	279	2
95°	0	46	132	202	229	0
105°	0	16	74	128	147	0
115°	0	8	43	78	93	0
125°	0	4	27	50	58	0
135°	0	0	16	31	39	0
145°	0	0	8	19	23	0
155°	0	0	0	4	8	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°	1232.2	1232.2	1232.2	1232.2	1232.2
2.5°	1224.4	1236.0	1232.2	1228.3	1228.3
5°	1220.5	1232.2	1228.3	1228.3	1232.2
7.5°	1212.8	1224.4	1224.4	1224.4	1228.3
10°	1201.2	1216.7	1216.7	1216.7	1220.5
12.5°	1189.5	1201.2	1205.0	1208.9	1212.8
15°	1170.2	1185.7	1193.4	1197.3	1205.0
17.5°	1150.8	1162.4	1174.0	1185.7	1189.5
20°	1127.5	1143.0	1154.7	1166.3	1170.2
22.5°	1100.4	1115.9	1131.4	1143.0	1150.8
25°	1069.4	1084.9	1108.2	1123.7	1131.4
27.5°	1038.4	1053.9	1081.0	1100.4	1108.2
30°	999.7	1022.9	1050.0	1073.3	1084.9
32.5°	964.8	988.0	1019.0	1046.2	1053.9
35°	929.9	953.2	988.0	1015.2	1026.8
37.5°	891.2	918.3	953.2	984.2	995.8
40°	852.4	879.6	918.3	953.2	960.9
42.5°	813.7	840.8	887.3	918.3	929.9
45°	771.1	802.1	848.6	883.4	898.9
47.5°	728.4	759.4	805.9	844.7	860.2
50°	681.9	716.8	767.2	805.9	821.4
52.5°	639.3	674.2	724.6	767.2	786.6
55°	592.8	627.7	681.9	728.4	747.8
57.5°	546.3	581.2	639.3	689.7	709.1
60°	499.8	534.7	592.8	650.9	670.3
62.5°	449.5	488.2	550.2	608.3	631.6
65°	399.1	441.7	507.6	569.6	596.7
67.5°	352.6	395.2	465.0	534.7	558.0
70°	302.2	348.7	426.2	496.0	523.1
72.5°	251.9	302.2	387.5	461.1	488.2
75°	205.4	259.6	352.6	426.2	457.2
77.5°	155.0	220.9	317.7	395.2	422.3
80°	112.4	182.1	282.9	364.2	391.3
82.5°	73.6	147.2	251.9	333.2	360.3
85°	38.7	120.1	224.7	302.2	333.2
87.5°	11.6	93.0	197.6	275.1	302.2
90°	0.0	73.6	174.4	248.0	279.0
92.5°	0.0	58.1	151.1	224.7	251.9
95°	0.0	46.5	131.7	201.5	228.6
97.5°	0.0	38.7	116.2	182.1	205.4
100°	0.0	31.0	100.7	162.7	186.0
102.5°	0.0	23.2	85.2	143.4	166.6
105°	0.0	15.5	73.6	127.9	147.2
107.5°	0.0	11.6	62.0	112.4	131.7
110°	0.0	11.6	58.1	96.9	116.2



TEST NUMBER: P1357571
 CATALOG NUMBER: 8ASL4-5HE-2-92765-UNV_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.7	50.4	89.1	104.6
115°	0.0	7.7	42.6	77.5	93.0
117.5°	0.0	7.7	38.7	69.7	85.2
120°	0.0	7.7	34.9	62.0	73.6
122.5°	0.0	3.9	31.0	54.2	65.9
125°	0.0	3.9	27.1	50.4	58.1
127.5°	0.0	3.9	23.2	46.5	54.2
130°	0.0	3.9	23.2	42.6	50.4
132.5°	0.0	0.0	19.4	38.7	46.5
135°	0.0	0.0	15.5	31.0	38.7
137.5°	0.0	0.0	15.5	27.1	34.9
140°	0.0	0.0	11.6	27.1	31.0
142.5°	0.0	0.0	7.7	23.2	27.1
145°	0.0	0.0	7.7	19.4	23.2
147.5°	0.0	0.0	3.9	15.5	19.4
150°	0.0	0.0	3.9	11.6	15.5
152.5°	0.0	0.0	0.0	7.7	11.6
155°	0.0	0.0	0.0	3.9	7.7
157.5°	0.0	0.0	0.0	0.0	3.9
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	14.91	16.45	15.38	16.91	17.40	17.01	18.55	17.48	19.01	19.50
	3H	16.41	17.81	16.90	18.28	18.81	19.48	20.88	19.97	21.35	21.88
	4H	16.89	18.22	17.40	18.71	19.25	20.71	22.04	21.21	22.52	23.07
	6H	17.17	18.40	17.68	18.90	19.46	22.01	23.24	22.53	23.74	24.31
	8H	17.22	18.40	17.75	18.93	19.49	22.69	23.87	23.22	24.40	24.96
	12H	17.23	18.37	17.77	18.89	19.49	23.46	24.59	23.99	25.11	25.71
4H	2H	15.80	17.13	16.30	17.61	18.16	17.44	18.77	17.95	19.26	19.80
	3H	17.54	18.67	18.06	19.20	19.77	20.14	21.27	20.66	21.80	22.37
	4H	18.15	19.18	18.69	19.73	20.32	21.54	22.58	22.08	23.12	23.72
	6H	18.55	19.46	19.11	20.03	20.64	23.04	23.95	23.60	24.52	25.13
	8H	18.65	19.51	19.21	20.07	20.70	23.83	24.69	24.39	25.25	25.88
	12H	18.69	19.48	19.28	20.07	20.70	24.72	25.50	25.30	26.10	26.73
8H	4H	18.85	19.71	19.42	20.28	20.91	21.76	22.62	22.32	23.19	23.81
	6H	19.44	20.17	20.04	20.78	21.41	23.43	24.16	24.03	24.77	25.40
	8H	19.63	20.29	20.24	20.91	21.55	24.36	25.02	24.97	25.64	26.29
	12H	19.75	20.34	20.36	20.95	21.66	25.44	26.03	26.05	26.64	27.35
12H	4H	19.06	19.84	19.64	20.44	21.07	21.77	22.55	22.35	23.15	23.78
	6H	19.75	20.41	20.36	21.03	21.67	23.47	24.13	24.08	24.75	25.39
	8H	20.04	20.63	20.65	21.24	21.95	24.47	25.06	25.08	25.67	26.38