

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: P1357567

Luminaire Tested: 8ASL4-5HE-2-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357567
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_2700K
Description: 8FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

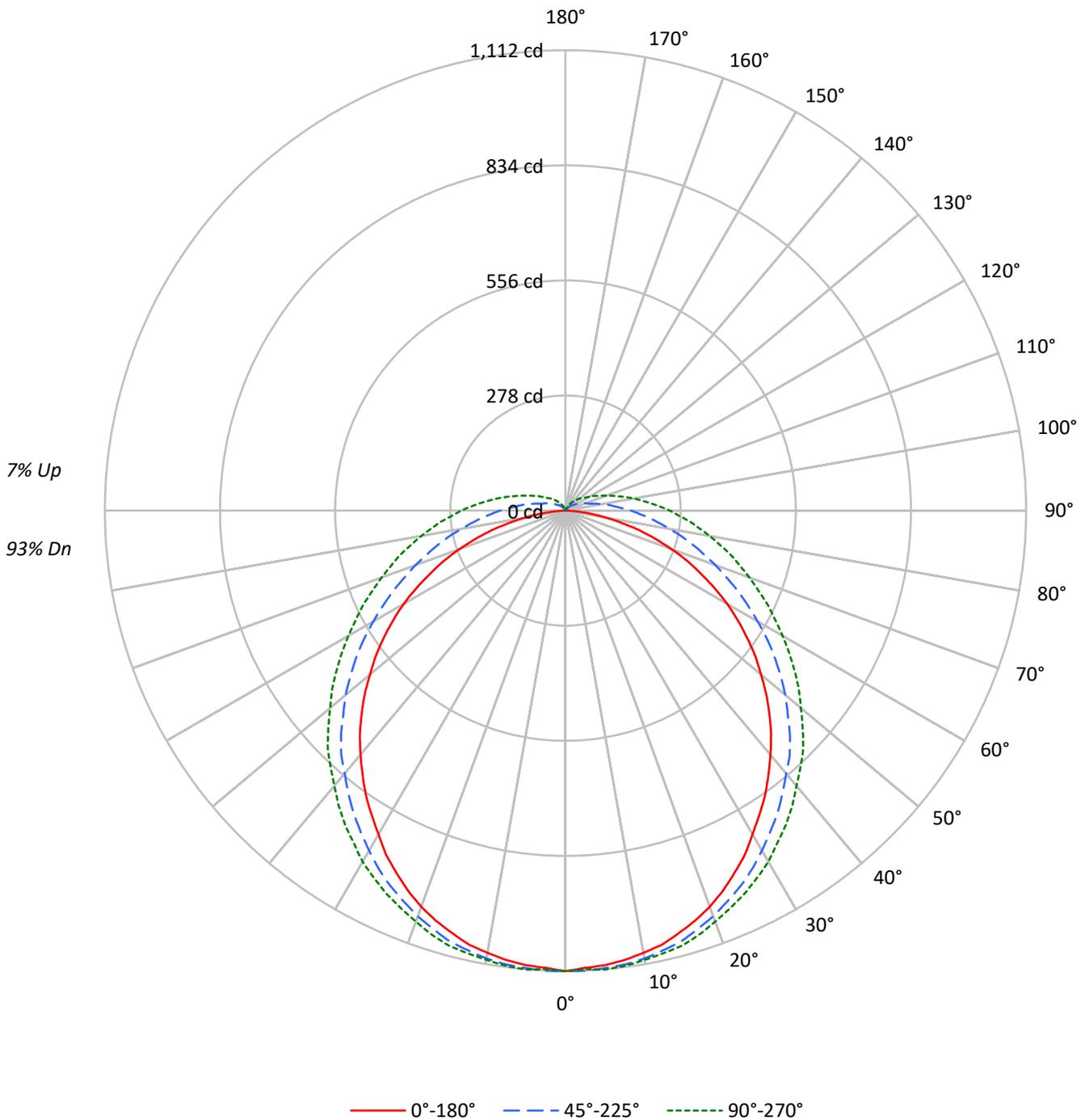
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3819.0 lumens
Efficiency: N/A
Efficacy: 111.7 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°	4502	4502	4502
5°	4471	4416	4399
10°	4446	4338	4292
15°	4411	4252	4206
20°	4364	4143	4085
25°	4285	4035	3981
30°	4186	3910	3878
35°	4110	3795	3758
40°	4022	3671	3631
45°	3933	3564	3539
50°	3817	3422	3402
55°	3707	3269	3294
60°	3572	3097	3178
65°	3356	2938	3089
70°	3117	2789	3007
75°	2764	2677	2980
80°	2200	2582	2970
85°	1414	2595	3055

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3933 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	2.8
10°-20°	303.3	7.9
20°-30°	459.5	12.0
30°-40°	555.8	14.6
40°-50°	585.9	15.3
50°-60°	546.8	14.3
60°-70°	451.5	11.8
70°-80°	327.5	8.6
80°-90°	206.9	5.4
90°-100°	123.5	3.2
100°-110°	70.8	1.9
110°-120°	40.2	1.1
120°-130°	23.0	0.6
130°-140°	12.4	0.3
140°-150°	5.4	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	868.3	22.7
0°-40°	1424.0	37.3
0°-60°	2556.8	66.9
0°-90°	3542.7	92.8
90°-120°	234.6	6.1
90°-150°	275.4	7.2
90°-180°	276.0	7.2
0°-180°	3819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1102	1112	1109	1109	1112	105
15°	1056	1070	1078	1081	1088	298
25°	966	980	1000	1014	1022	445
35°	840	861	892	916	927	525
45°	696	724	766	798	812	537
55°	535	567	616	658	675	478
65°	360	399	458	514	539	358
75°	185	234	318	385	413	195
85°	35	108	203	273	301	43
90°	0	66	157	224	252	1
95°	0	42	119	182	206	0
105°	0	14	66	115	133	0
115°	0	7	38	70	84	0
125°	0	4	24	46	52	0
135°	0	0	14	28	35	0
145°	0	0	7	18	21	0
155°	0	0	0	4	7	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°	1112.4	1112.4	1112.4	1112.4	1112.4
2.5°	1105.4	1115.9	1112.4	1108.9	1108.9
5°	1101.9	1112.4	1108.9	1108.9	1112.4
7.5°	1094.9	1105.4	1105.4	1105.4	1108.9
10°	1084.4	1098.4	1098.4	1098.4	1101.9
12.5°	1074.0	1084.4	1087.9	1091.4	1094.9
15°	1056.5	1070.5	1077.5	1081.0	1087.9
17.5°	1039.0	1049.5	1060.0	1070.5	1074.0
20°	1018.0	1032.0	1042.5	1053.0	1056.5
22.5°	993.5	1007.5	1021.5	1032.0	1039.0
25°	965.5	979.5	1000.5	1014.5	1021.5
27.5°	937.5	951.5	976.0	993.5	1000.5
30°	902.5	923.5	948.0	969.0	979.5
32.5°	871.1	892.0	920.0	944.5	951.5
35°	839.6	860.6	892.0	916.5	927.0
37.5°	804.6	829.1	860.6	888.5	899.0
40°	769.6	794.1	829.1	860.6	867.6
42.5°	734.6	759.1	801.1	829.1	839.6
45°	696.1	724.1	766.1	797.6	811.6
47.5°	657.7	685.7	727.6	762.6	776.6
50°	615.7	647.2	692.6	727.6	741.6
52.5°	577.2	608.7	654.2	692.6	710.1
55°	535.2	566.7	615.7	657.7	675.2
57.5°	493.2	524.7	577.2	622.7	640.2
60°	451.3	482.8	535.2	587.7	605.2
62.5°	405.8	440.8	496.7	549.2	570.2
65°	360.3	398.8	458.3	514.2	538.7
67.5°	318.3	356.8	419.8	482.8	503.7
70°	272.9	314.8	384.8	447.8	472.3
72.5°	227.4	272.9	349.8	416.3	440.8
75°	185.4	234.4	318.3	384.8	412.8
77.5°	139.9	199.4	286.9	356.8	381.3
80°	101.4	164.4	255.4	328.8	353.3
82.5°	66.5	132.9	227.4	300.8	325.3
85°	35.0	108.4	202.9	272.9	300.8
87.5°	10.5	84.0	178.4	248.4	272.9
90°	0.0	66.5	157.4	223.9	251.9
92.5°	0.0	52.5	136.4	202.9	227.4
95°	0.0	42.0	118.9	181.9	206.4
97.5°	0.0	35.0	104.9	164.4	185.4
100°	0.0	28.0	91.0	146.9	167.9
102.5°	0.0	21.0	77.0	129.4	150.4
105°	0.0	14.0	66.5	115.4	132.9
107.5°	0.0	10.5	56.0	101.4	118.9
110°	0.0	10.5	52.5	87.5	104.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.0	45.5	80.5	94.5
115°	0.0	7.0	38.5	70.0	84.0
117.5°	0.0	7.0	35.0	63.0	77.0
120°	0.0	7.0	31.5	56.0	66.5
122.5°	0.0	3.5	28.0	49.0	59.5
125°	0.0	3.5	24.5	45.5	52.5
127.5°	0.0	3.5	21.0	42.0	49.0
130°	0.0	3.5	21.0	38.5	45.5
132.5°	0.0	0.0	17.5	35.0	42.0
135°	0.0	0.0	14.0	28.0	35.0
137.5°	0.0	0.0	14.0	24.5	31.5
140°	0.0	0.0	10.5	24.5	28.0
142.5°	0.0	0.0	7.0	21.0	24.5
145°	0.0	0.0	7.0	17.5	21.0
147.5°	0.0	0.0	3.5	14.0	17.5
150°	0.0	0.0	3.5	10.5	14.0
152.5°	0.0	0.0	0.0	7.0	10.5
155°	0.0	0.0	0.0	3.5	7.0
157.5°	0.0	0.0	0.0	0.0	3.5
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	14.55	16.09	15.03	16.55	17.04	16.66	18.19	17.13	18.65	19.14
	3H	16.06	17.46	16.54	17.93	18.46	19.13	20.53	19.61	21.00	21.53
	4H	16.54	17.86	17.04	18.35	18.89	20.35	21.68	20.86	22.17	22.71
	6H	16.81	18.05	17.33	18.55	19.11	21.65	22.89	22.17	23.39	23.95
	8H	16.86	18.05	17.39	18.57	19.14	22.33	23.52	22.87	24.04	24.61
	12H	16.88	18.02	17.42	18.53	19.13	23.10	24.24	23.64	24.76	25.35
4H	2H	15.44	16.77	15.95	17.26	17.80	17.09	18.41	17.59	18.90	19.44
	3H	17.18	18.32	17.70	18.85	19.41	19.79	20.92	20.30	21.45	22.01
	4H	17.79	18.83	18.33	19.37	19.97	21.19	22.22	21.72	22.76	23.36
	6H	18.19	19.11	18.75	19.68	20.29	22.68	23.60	23.24	24.16	24.78
	8H	18.29	19.15	18.85	19.72	20.34	23.47	24.33	24.04	24.90	25.53
	12H	18.34	19.12	18.92	19.72	20.35	24.36	25.15	24.95	25.74	26.37
8H	4H	18.50	19.36	19.06	19.93	20.55	21.40	22.27	21.97	22.83	23.46
	6H	19.08	19.82	19.68	20.42	21.06	23.07	23.81	23.67	24.41	25.05
	8H	19.27	19.93	19.88	20.55	21.19	24.01	24.67	24.62	25.29	25.93
	12H	19.39	19.98	20.00	20.59	21.30	25.09	25.68	25.70	26.28	26.99
12H	4H	18.70	19.49	19.29	20.08	20.71	21.41	22.20	22.00	22.79	23.42
	6H	19.39	20.06	20.00	20.67	21.32	23.11	23.77	23.72	24.39	25.04
	8H	19.68	20.27	20.29	20.88	21.59	24.11	24.70	24.73	25.31	26.02