

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: P1357423

Luminaire Tested: 8ASL4-10HE-2-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357423
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: 8ASL4-10HE-2-92765-UNV_2700K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

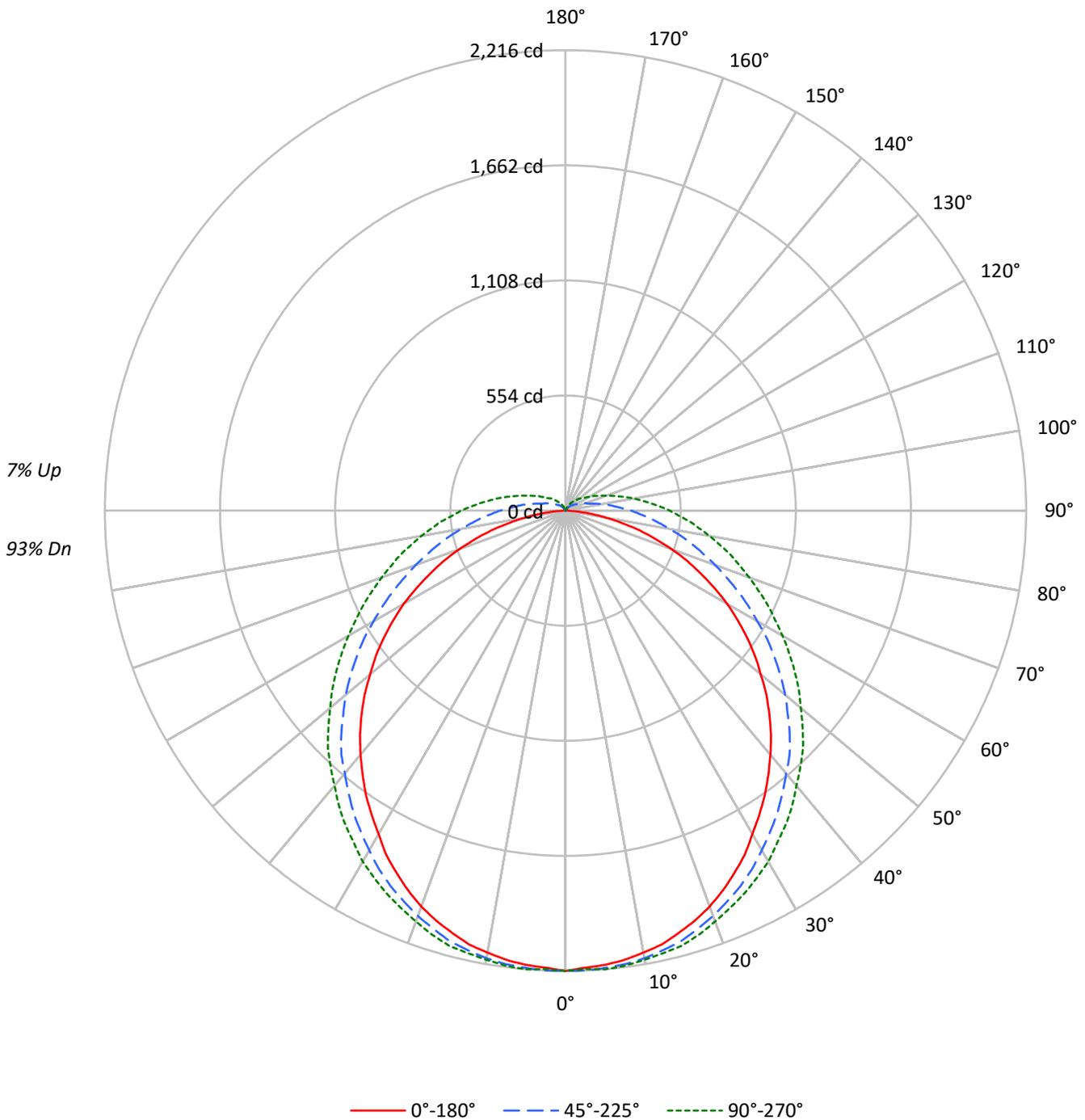
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7607.0 lumens
Efficiency: N/A
Efficacy: 108.2 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): 70.3
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: P1357423
CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1357423
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	8967	8967	8967
5°	8907	8797	8762
10°	8856	8641	8549
15°	8786	8470	8378
20°	8692	8252	8138
25°	8536	8036	7930
30°	8338	7789	7724
35°	8187	7560	7485
40°	8011	7312	7233
45°	7834	7100	7049
50°	7603	6817	6777
55°	7385	6512	6561
60°	7115	6169	6331
65°	6686	5852	6153
70°	6208	5556	5989
75°	5506	5333	5935
80°	4385	5142	5917
85°	2816	5167	6087

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7834 cd/sqm



TEST NUMBER: P1357423
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	2.8
10°-20°	604.0	7.9
20°-30°	915.3	12.0
30°-40°	1107.0	14.6
40°-50°	1167.1	15.3
50°-60°	1089.2	14.3
60°-70°	899.3	11.8
70°-80°	652.4	8.6
80°-90°	412.2	5.4
90°-100°	246.0	3.2
100°-110°	141.0	1.9
110°-120°	80.1	1.1
120°-130°	45.7	0.6
130°-140°	24.7	0.3
140°-150°	10.8	0.1
150°-160°	2.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1729.5	22.7
0°-40°	2836.5	37.3
0°-60°	5092.8	66.9
0°-90°	7056.6	92.8
90°-120°	467.2	6.1
90°-150°	548.4	7.2
90°-180°	550.0	7.2
0°-180°	7607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2216	2216	2216	2216	2216	
5°	2195	2216	2209	2209	2216	208
15°	2104	2132	2146	2153	2167	594
25°	1923	1951	1993	2021	2035	886
35°	1672	1714	1777	1826	1846	1045
45°	1387	1442	1526	1589	1617	1069
55°	1066	1129	1226	1310	1345	953
65°	718	794	913	1024	1073	713
75°	369	467	634	766	822	388
85°	70	216	404	544	599	85
90°	0	132	314	446	502	3
95°	0	84	237	362	411	0
105°	0	28	132	230	265	0
115°	0	14	77	139	167	0
125°	0	7	49	91	104	0
135°	0	0	28	56	70	0
145°	0	0	14	35	42	0
155°	0	0	0	7	14	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357423
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2215.8	2215.8	2215.8	2215.8	2215.8
2.5°	2201.9	2222.8	2215.8	2208.9	2208.9
5°	2194.9	2215.8	2208.9	2208.9	2215.8
7.5°	2181.0	2201.9	2201.9	2201.9	2208.9
10°	2160.1	2188.0	2188.0	2188.0	2194.9
12.5°	2139.2	2160.1	2167.1	2174.0	2181.0
15°	2104.4	2132.2	2146.2	2153.1	2167.1
17.5°	2069.5	2090.4	2111.3	2132.2	2139.2
20°	2027.7	2055.6	2076.5	2097.4	2104.4
22.5°	1978.9	2006.8	2034.7	2055.6	2069.5
25°	1923.2	1951.1	1992.9	2020.7	2034.7
27.5°	1867.4	1895.3	1944.1	1978.9	1992.9
30°	1797.8	1839.6	1888.3	1930.2	1951.1
32.5°	1735.0	1776.9	1832.6	1881.4	1895.3
35°	1672.3	1714.1	1776.9	1825.6	1846.5
37.5°	1602.7	1651.4	1714.1	1769.9	1790.8
40°	1533.0	1581.7	1651.4	1714.1	1728.1
42.5°	1463.3	1512.1	1595.7	1651.4	1672.3
45°	1386.6	1442.4	1526.0	1588.7	1616.6
47.5°	1310.0	1365.7	1449.4	1519.0	1546.9
50°	1226.4	1289.1	1379.7	1449.4	1477.2
52.5°	1149.7	1212.4	1303.0	1379.7	1414.5
55°	1066.1	1128.8	1226.4	1310.0	1344.8
57.5°	982.5	1045.2	1149.7	1240.3	1275.2
60°	898.9	961.6	1066.1	1170.6	1205.5
62.5°	808.3	878.0	989.5	1094.0	1135.8
65°	717.7	794.4	912.8	1024.3	1073.1
67.5°	634.1	710.7	836.2	961.6	1003.4
70°	543.5	627.1	766.5	891.9	940.7
72.5°	452.9	543.5	696.8	829.2	878.0
75°	369.3	466.9	634.1	766.5	822.2
77.5°	278.7	397.2	571.4	710.7	759.5
80°	202.1	327.5	508.7	655.0	703.8
82.5°	132.4	264.8	452.9	599.3	648.0
85°	69.7	216.0	404.1	543.5	599.3
87.5°	20.9	167.2	355.4	494.7	543.5
90°	0.0	132.4	313.6	446.0	501.7
92.5°	0.0	104.5	271.8	404.1	452.9
95°	0.0	83.6	236.9	362.3	411.1
97.5°	0.0	69.7	209.0	327.5	369.3
100°	0.0	55.7	181.2	292.7	334.5
102.5°	0.0	41.8	153.3	257.8	299.6
105°	0.0	27.9	132.4	229.9	264.8
107.5°	0.0	20.9	111.5	202.1	236.9
110°	0.0	20.9	104.5	174.2	209.0



TEST NUMBER: P1357423

CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.9	90.6	160.3	188.1
115°	0.0	13.9	76.6	139.4	167.2
117.5°	0.0	13.9	69.7	125.4	153.3
120°	0.0	13.9	62.7	111.5	132.4
122.5°	0.0	7.0	55.7	97.6	118.5
125°	0.0	7.0	48.8	90.6	104.5
127.5°	0.0	7.0	41.8	83.6	97.6
130°	0.0	7.0	41.8	76.6	90.6
132.5°	0.0	0.0	34.8	69.7	83.6
135°	0.0	0.0	27.9	55.7	69.7
137.5°	0.0	0.0	27.9	48.8	62.7
140°	0.0	0.0	20.9	48.8	55.7
142.5°	0.0	0.0	13.9	41.8	48.8
145°	0.0	0.0	13.9	34.8	41.8
147.5°	0.0	0.0	7.0	27.9	34.8
150°	0.0	0.0	7.0	20.9	27.9
152.5°	0.0	0.0	0.0	13.9	20.9
155°	0.0	0.0	0.0	7.0	13.9
157.5°	0.0	0.0	0.0	0.0	7.0
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



TEST NUMBER: P1357423
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_2700K

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	16.95	18.48	17.42	18.94	19.43	19.05	20.59	19.52	21.05	21.54
	3H	18.45	19.85	18.94	20.32	20.85	21.52	22.92	22.01	23.39	23.92
	4H	18.93	20.26	19.44	20.75	21.29	22.75	24.08	23.25	24.56	25.11
	6H	19.20	20.44	19.72	20.94	21.50	24.05	25.28	24.57	25.78	26.34
	8H	19.26	20.44	19.79	20.97	21.53	24.73	25.91	25.26	26.44	27.00
	12H	19.27	20.41	19.81	20.93	21.52	25.50	26.63	26.03	27.15	27.75
4H	2H	17.84	19.16	18.34	19.65	20.20	19.48	20.81	19.99	21.29	21.84
	3H	19.58	20.71	20.10	21.24	21.81	22.18	23.31	22.70	23.84	24.41
	4H	20.19	21.22	20.73	21.76	22.36	23.58	24.62	24.12	25.16	25.76
	6H	20.59	21.50	21.15	22.07	22.68	25.08	25.99	25.63	26.56	27.17
	8H	20.69	21.55	21.25	22.11	22.74	25.87	26.73	26.43	27.29	27.92
	12H	20.73	21.52	21.32	22.11	22.74	26.76	27.54	27.34	28.14	28.77
8H	4H	20.89	21.75	21.46	22.32	22.95	23.80	24.66	24.36	25.23	25.85
	6H	21.48	22.21	22.08	22.82	23.45	25.47	26.20	26.07	26.81	27.44
	8H	21.67	22.33	22.27	22.95	23.59	26.40	27.06	27.01	27.68	28.32
	12H	21.79	22.38	22.40	22.98	23.69	27.48	28.07	28.09	28.68	29.39
12H	4H	21.10	21.88	21.68	22.48	23.11	23.81	24.59	24.39	25.18	25.81
	6H	21.79	22.45	22.40	23.07	23.71	25.51	26.17	26.11	26.79	27.43
	8H	22.08	22.67	22.69	23.27	23.98	26.51	27.10	27.12	27.71	28.42