

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: P1357425

Luminaire Tested: 8ASL4-10HE-2-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357425
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_3500K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

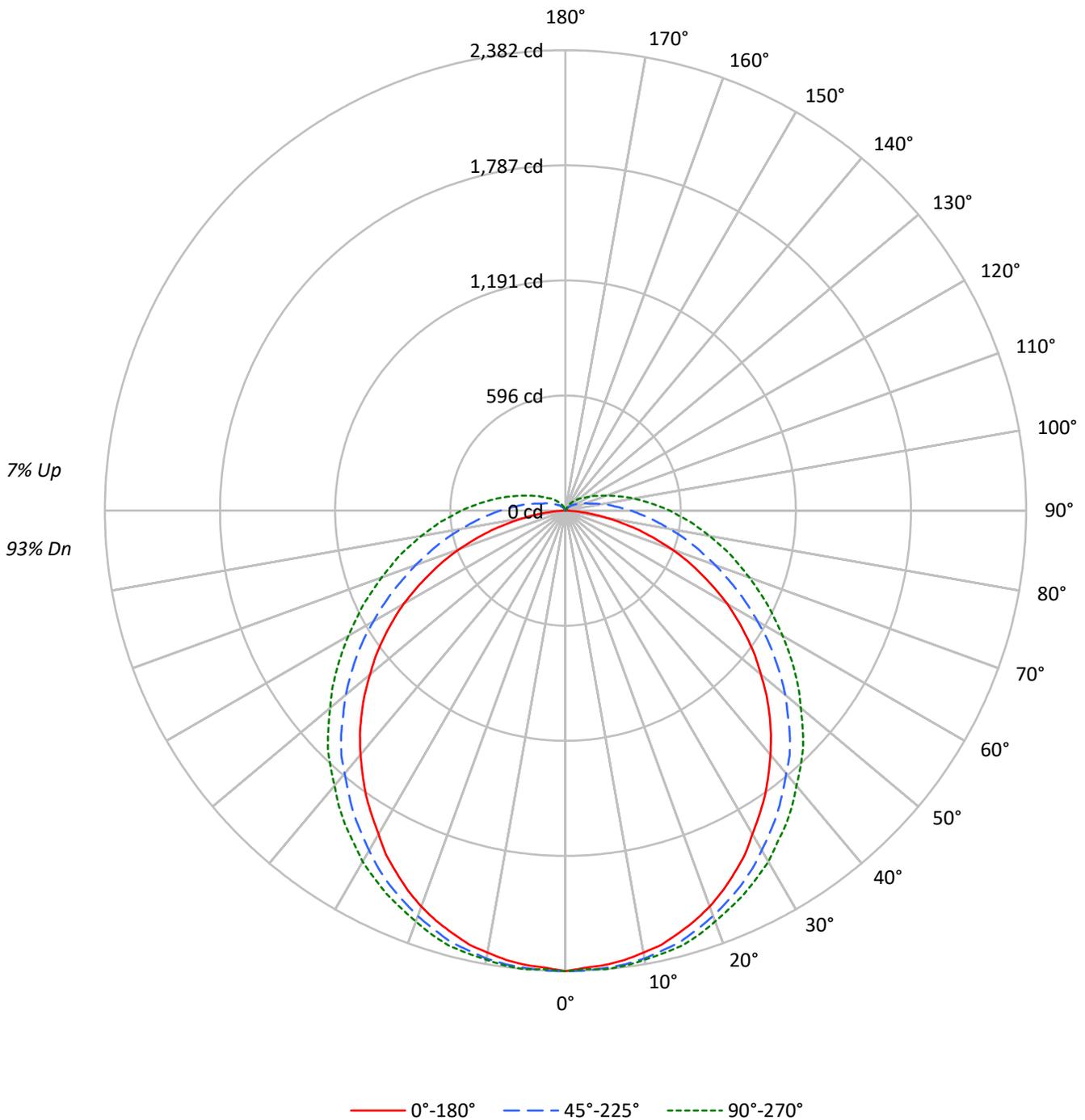
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8179.0 lumens
Efficiency: N/A
Efficacy: 116.3 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

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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°	9642	9642	9642
5°	9577	9458	9421
10°	9522	9290	9192
15°	9447	9106	9008
20°	9345	8872	8749
25°	9178	8641	8526
30°	8965	8375	8305
35°	8803	8129	8048
40°	8613	7862	7777
45°	8423	7633	7579
50°	8175	7329	7286
55°	7940	7002	7054
60°	7650	6633	6807
65°	7189	6293	6615
70°	6676	5973	6439
75°	5921	5734	6382
80°	4715	5528	6361
85°	3026	5556	6544

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8423 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	2.8
10°-20°	649.5	7.9
20°-30°	984.1	12.0
30°-40°	1190.3	14.6
40°-50°	1254.8	15.3
50°-60°	1171.1	14.3
60°-70°	966.9	11.8
70°-80°	701.4	8.6
80°-90°	443.2	5.4
90°-100°	264.5	3.2
100°-110°	151.6	1.9
110°-120°	86.1	1.1
120°-130°	49.1	0.6
130°-140°	26.6	0.3
140°-150°	11.7	0.1
150°-160°	2.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1859.5	22.7
0°-40°	3049.8	37.3
0°-60°	5475.7	66.9
0°-90°	7587.2	92.8
90°-120°	502.3	6.1
90°-150°	589.7	7.2
90°-180°	592.0	7.2
0°-180°	8179.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2360	2382	2375	2375	2382	224
15°	2263	2293	2308	2315	2330	638
25°	2068	2098	2143	2173	2188	953
35°	1798	1843	1910	1963	1985	1124
45°	1491	1551	1641	1708	1738	1150
55°	1146	1214	1319	1408	1446	1025
65°	772	854	982	1101	1154	766
75°	397	502	682	824	884	418
85°	75	232	434	584	644	92
90°	0	142	337	480	539	3
95°	0	90	255	390	442	0
105°	0	30	142	247	285	0
115°	0	15	82	150	180	0
125°	0	8	52	97	112	0
135°	0	0	30	60	75	0
145°	0	0	15	38	45	0
155°	0	0	0	8	15	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°	2382.5	2382.5	2382.5	2382.5	2382.5
2.5°	2367.5	2389.9	2382.5	2375.0	2375.0
5°	2360.0	2382.5	2375.0	2375.0	2382.5
7.5°	2345.0	2367.5	2367.5	2367.5	2375.0
10°	2322.5	2352.5	2352.5	2352.5	2360.0
12.5°	2300.0	2322.5	2330.0	2337.5	2345.0
15°	2262.6	2292.6	2307.5	2315.0	2330.0
17.5°	2225.1	2247.6	2270.1	2292.6	2300.0
20°	2180.2	2210.1	2232.6	2255.1	2262.6
22.5°	2127.7	2157.7	2187.7	2210.1	2225.1
25°	2067.8	2097.8	2142.7	2172.7	2187.7
27.5°	2007.9	2037.8	2090.3	2127.7	2142.7
30°	1932.9	1977.9	2030.3	2075.3	2097.8
32.5°	1865.5	1910.5	1970.4	2022.8	2037.8
35°	1798.1	1843.0	1910.5	1962.9	1985.4
37.5°	1723.2	1775.6	1843.0	1903.0	1925.4
40°	1648.2	1700.7	1775.6	1843.0	1858.0
42.5°	1573.3	1625.8	1715.7	1775.6	1798.1
45°	1490.9	1550.8	1640.7	1708.2	1738.1
47.5°	1408.5	1468.4	1558.3	1633.3	1663.2
50°	1318.6	1386.0	1483.4	1558.3	1588.3
52.5°	1236.2	1303.6	1401.0	1483.4	1520.9
55°	1146.3	1213.7	1318.6	1408.5	1446.0
57.5°	1056.4	1123.8	1236.2	1333.6	1371.0
60°	966.5	1033.9	1146.3	1258.7	1296.1
62.5°	869.1	944.0	1063.9	1176.2	1221.2
65°	771.7	854.1	981.5	1101.3	1153.8
67.5°	681.8	764.2	899.0	1033.9	1078.8
70°	584.4	674.3	824.1	959.0	1011.4
72.5°	487.0	584.4	749.2	891.5	944.0
75°	397.1	502.0	681.8	824.1	884.1
77.5°	299.7	427.0	614.3	764.2	816.6
80°	217.3	352.1	546.9	704.2	756.7
82.5°	142.3	284.7	487.0	644.3	696.8
85°	74.9	232.3	434.5	584.4	644.3
87.5°	22.5	179.8	382.1	531.9	584.4
90°	0.0	142.3	337.1	479.5	539.4
92.5°	0.0	112.4	292.2	434.5	487.0
95°	0.0	89.9	254.7	389.6	442.0
97.5°	0.0	74.9	224.8	352.1	397.1
100°	0.0	59.9	194.8	314.7	359.6
102.5°	0.0	45.0	164.8	277.2	322.2
105°	0.0	30.0	142.3	247.2	284.7
107.5°	0.0	22.5	119.9	217.3	254.7
110°	0.0	22.5	112.4	187.3	224.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.0	97.4	172.3	202.3
115°	0.0	15.0	82.4	149.8	179.8
117.5°	0.0	15.0	74.9	134.9	164.8
120°	0.0	15.0	67.4	119.9	142.3
122.5°	0.0	7.5	59.9	104.9	127.4
125°	0.0	7.5	52.4	97.4	112.4
127.5°	0.0	7.5	45.0	89.9	104.9
130°	0.0	7.5	45.0	82.4	97.4
132.5°	0.0	0.0	37.5	74.9	89.9
135°	0.0	0.0	30.0	59.9	74.9
137.5°	0.0	0.0	30.0	52.4	67.4
140°	0.0	0.0	22.5	52.4	59.9
142.5°	0.0	0.0	15.0	45.0	52.4
145°	0.0	0.0	15.0	37.5	45.0
147.5°	0.0	0.0	7.5	30.0	37.5
150°	0.0	0.0	7.5	22.5	30.0
152.5°	0.0	0.0	0.0	15.0	22.5
155°	0.0	0.0	0.0	7.5	15.0
157.5°	0.0	0.0	0.0	0.0	7.5
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	17.20	18.74	17.67	19.20	19.69	19.30	20.84	19.78	21.30	21.79
	3H	18.70	20.10	19.19	20.57	21.10	21.77	23.17	22.26	23.64	24.17
	4H	19.18	20.51	19.69	21.00	21.54	23.00	24.33	23.50	24.81	25.36
	6H	19.46	20.69	19.98	21.19	21.75	24.30	25.53	24.82	26.04	26.60
	8H	19.51	20.70	20.04	21.22	21.79	24.98	26.17	25.51	26.69	27.26
	12H	19.52	20.66	20.06	21.18	21.78	25.75	26.88	26.28	27.40	28.00
4H	2H	18.09	19.42	18.60	19.90	20.45	19.73	21.06	20.24	21.55	22.09
	3H	19.83	20.96	20.35	21.49	22.06	22.43	23.56	22.95	24.09	24.66
	4H	20.44	21.48	20.98	22.02	22.62	23.83	24.87	24.37	25.41	26.01
	6H	20.84	21.76	21.40	22.32	22.94	25.33	26.24	25.89	26.81	27.42
	8H	20.94	21.80	21.50	22.37	22.99	26.12	26.98	26.68	27.55	28.17
	12H	20.98	21.77	21.57	22.36	22.99	27.01	27.79	27.60	28.39	29.02
8H	4H	21.14	22.01	21.71	22.57	23.20	24.05	24.91	24.61	25.48	26.10
	6H	21.73	22.46	22.33	23.07	23.70	25.72	26.45	26.32	27.06	27.69
	8H	21.92	22.58	22.53	23.20	23.84	26.65	27.31	27.26	27.93	28.58
	12H	22.04	22.63	22.65	23.24	23.95	27.73	28.32	28.34	28.93	29.64
12H	4H	21.35	22.13	21.94	22.73	23.36	24.06	24.84	24.64	25.44	26.07
	6H	22.04	22.70	22.65	23.32	23.96	25.76	26.42	26.37	27.04	27.68
	8H	22.33	22.92	22.94	23.53	24.24	26.76	27.35	27.37	27.96	28.67