

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: P1356813

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

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356813
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: 2ASL4-10HE-2-92765-UNV_3500K
Description: 2FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

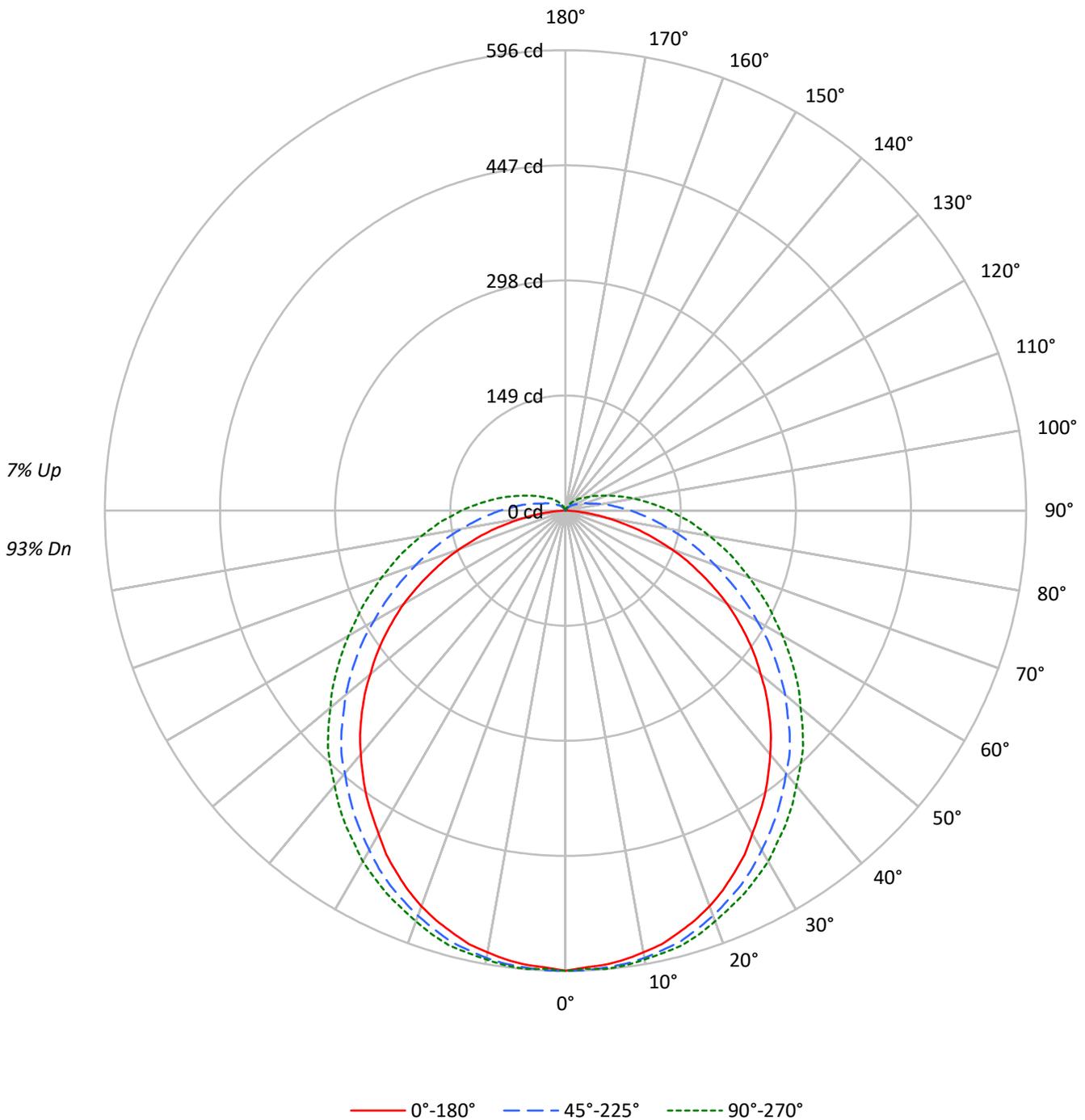
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2045.0 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 17.6
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: P1356813
CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1356813

CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_3500K

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°	9719	9719	9719
5°	9621	9511	9497
10°	9532	9321	9266
15°	9423	9116	9081
20°	9287	8860	8819
25°	9084	8608	8595
30°	8837	8323	8371
35°	8637	8058	8112
40°	8406	7773	7840
45°	8172	7523	7640
50°	7875	7199	7344
55°	7583	6852	7110
60°	7225	6462	6862
65°	6692	6098	6669
70°	6089	5752	6491
75°	5232	5474	6431
80°	3929	5212	6412
85°	2186	5145	6596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8172 cd/sqm



TEST NUMBER: P1356813
 CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	2.8
10°-20°	162.4	7.9
20°-30°	246.0	12.0
30°-40°	297.6	14.6
40°-50°	313.7	15.3
50°-60°	292.8	14.3
60°-70°	241.8	11.8
70°-80°	175.4	8.6
80°-90°	110.8	5.4
90°-100°	66.1	3.2
100°-110°	37.9	1.9
110°-120°	21.5	1.1
120°-130°	12.3	0.6
130°-140°	6.7	0.3
140°-150°	2.9	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	464.9	22.7
0°-40°	762.5	37.3
0°-60°	1369.1	66.9
0°-90°	1897.0	92.8
90°-120°	125.6	6.1
90°-150°	147.4	7.2
90°-180°	148.0	7.2
0°-180°	2045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	590	596	594	594	596	56
15°	566	573	577	579	583	160
25°	517	524	536	543	547	238
35°	450	461	478	491	496	281
45°	373	388	410	427	435	287
55°	287	304	330	352	362	256
65°	193	214	245	275	288	192
75°	99	126	170	206	221	104
85°	19	58	109	146	161	23
90°	0	36	84	120	135	1
95°	0	22	64	97	110	0
105°	0	8	36	62	71	0
115°	0	4	21	38	45	0
125°	0	2	13	24	28	0
135°	0	0	8	15	19	0
145°	0	0	4	9	11	0
155°	0	0	0	2	4	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1356813

CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	595.7	595.7	595.7	595.7	595.7
2.5°	591.9	597.6	595.7	593.8	593.8
5°	590.1	595.7	593.8	593.8	595.7
7.5°	586.3	591.9	591.9	591.9	593.8
10°	580.7	588.2	588.2	588.2	590.1
12.5°	575.1	580.7	582.6	584.4	586.3
15°	565.7	573.2	577.0	578.8	582.6
17.5°	556.3	562.0	567.6	573.2	575.1
20°	545.1	552.6	558.2	563.8	565.7
22.5°	532.0	539.5	547.0	552.6	556.3
25°	517.0	524.5	535.7	543.2	547.0
27.5°	502.0	509.5	522.6	532.0	535.7
30°	483.3	494.5	507.6	518.9	524.5
32.5°	466.4	477.7	492.7	505.8	509.5
35°	449.6	460.8	477.7	490.8	496.4
37.5°	430.8	444.0	460.8	475.8	481.4
40°	412.1	425.2	444.0	460.8	464.6
42.5°	393.4	406.5	429.0	444.0	449.6
45°	372.8	387.8	410.2	427.1	434.6
47.5°	352.2	367.2	389.6	408.4	415.9
50°	329.7	346.5	370.9	389.6	397.1
52.5°	309.1	325.9	350.3	370.9	380.3
55°	286.6	303.5	329.7	352.2	361.5
57.5°	264.1	281.0	309.1	333.4	342.8
60°	241.6	258.5	286.6	314.7	324.1
62.5°	217.3	236.0	266.0	294.1	305.3
65°	192.9	213.5	245.4	275.4	288.5
67.5°	170.5	191.1	224.8	258.5	269.7
70°	146.1	168.6	206.1	239.8	252.9
72.5°	121.8	146.1	187.3	222.9	236.0
75°	99.3	125.5	170.5	206.1	221.0
77.5°	74.9	106.8	153.6	191.1	204.2
80°	54.3	88.0	136.7	176.1	189.2
82.5°	35.6	71.2	121.8	161.1	174.2
85°	18.7	58.1	108.6	146.1	161.1
87.5°	5.6	45.0	95.5	133.0	146.1
90°	0.0	35.6	84.3	119.9	134.9
92.5°	0.0	28.1	73.1	108.6	121.8
95°	0.0	22.5	63.7	97.4	110.5
97.5°	0.0	18.7	56.2	88.0	99.3
100°	0.0	15.0	48.7	78.7	89.9
102.5°	0.0	11.2	41.2	69.3	80.5
105°	0.0	7.5	35.6	61.8	71.2
107.5°	0.0	5.6	30.0	54.3	63.7
110°	0.0	5.6	28.1	46.8	56.2



TEST NUMBER: P1356813
 CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	3.7	24.4	43.1	50.6
115°	0.0	3.7	20.6	37.5	45.0
117.5°	0.0	3.7	18.7	33.7	41.2
120°	0.0	3.7	16.9	30.0	35.6
122.5°	0.0	1.9	15.0	26.2	31.8
125°	0.0	1.9	13.1	24.4	28.1
127.5°	0.0	1.9	11.2	22.5	26.2
130°	0.0	1.9	11.2	20.6	24.4
132.5°	0.0	0.0	9.4	18.7	22.5
135°	0.0	0.0	7.5	15.0	18.7
137.5°	0.0	0.0	7.5	13.1	16.9
140°	0.0	0.0	5.6	13.1	15.0
142.5°	0.0	0.0	3.7	11.2	13.1
145°	0.0	0.0	3.7	9.4	11.2
147.5°	0.0	0.0	1.9	7.5	9.4
150°	0.0	0.0	1.9	5.6	7.5
152.5°	0.0	0.0	0.0	3.7	5.6
155°	0.0	0.0	0.0	1.9	3.7
157.5°	0.0	0.0	0.0	0.0	1.9
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



TEST NUMBER: P1356813
 CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_3500K

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	17.18	18.72	17.66	19.18	19.67	19.16	20.69	19.63	21.15	21.64
	3H	18.69	20.09	19.17	20.56	21.09	21.57	22.97	22.06	23.44	23.97
	4H	19.17	20.50	19.67	20.98	21.53	22.75	24.08	23.26	24.57	25.11
	6H	19.44	20.68	19.96	21.18	21.74	23.97	25.21	24.49	25.71	26.27
	8H	19.50	20.68	20.03	21.21	21.77	24.60	25.78	25.13	26.31	26.87
	12H	19.51	20.65	20.05	21.17	21.77	25.26	26.40	25.80	26.92	27.52
4H	2H	18.05	19.37	18.55	19.86	20.41	19.59	20.92	20.10	21.41	21.95
	3H	19.79	20.92	20.31	21.45	22.02	22.24	23.37	22.76	23.90	24.47
	4H	20.40	21.44	20.94	21.98	22.58	23.59	24.63	24.13	25.17	25.77
	6H	20.80	21.72	21.36	22.28	22.90	25.01	25.93	25.57	26.50	27.11
	8H	20.90	21.76	21.46	22.33	22.95	25.74	26.60	26.31	27.17	27.80
	12H	20.95	21.73	21.53	22.32	22.96	26.54	27.32	27.12	27.91	28.54
8H	4H	21.08	21.94	21.64	22.50	23.13	23.82	24.68	24.38	25.25	25.87
	6H	21.66	22.39	22.26	23.00	23.63	25.41	26.15	26.01	26.75	27.39
	8H	21.85	22.51	22.46	23.13	23.77	26.29	26.95	26.90	27.57	28.21
	12H	21.97	22.56	22.58	23.17	23.88	27.27	27.86	27.88	28.46	29.17
12H	4H	21.27	22.05	21.85	22.64	23.27	23.83	24.61	24.41	25.20	25.84
	6H	21.95	22.61	22.56	23.23	23.88	25.45	26.12	26.06	26.73	27.38
	8H	22.24	22.83	22.85	23.44	24.15	26.40	26.99	27.01	27.60	28.31