

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: P1356841

Luminaire Tested: 2ASL4-15HE-2-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356841
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: 2ASL4-15HE-2-92765-UNV_2700K
Description: 2FT 1500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

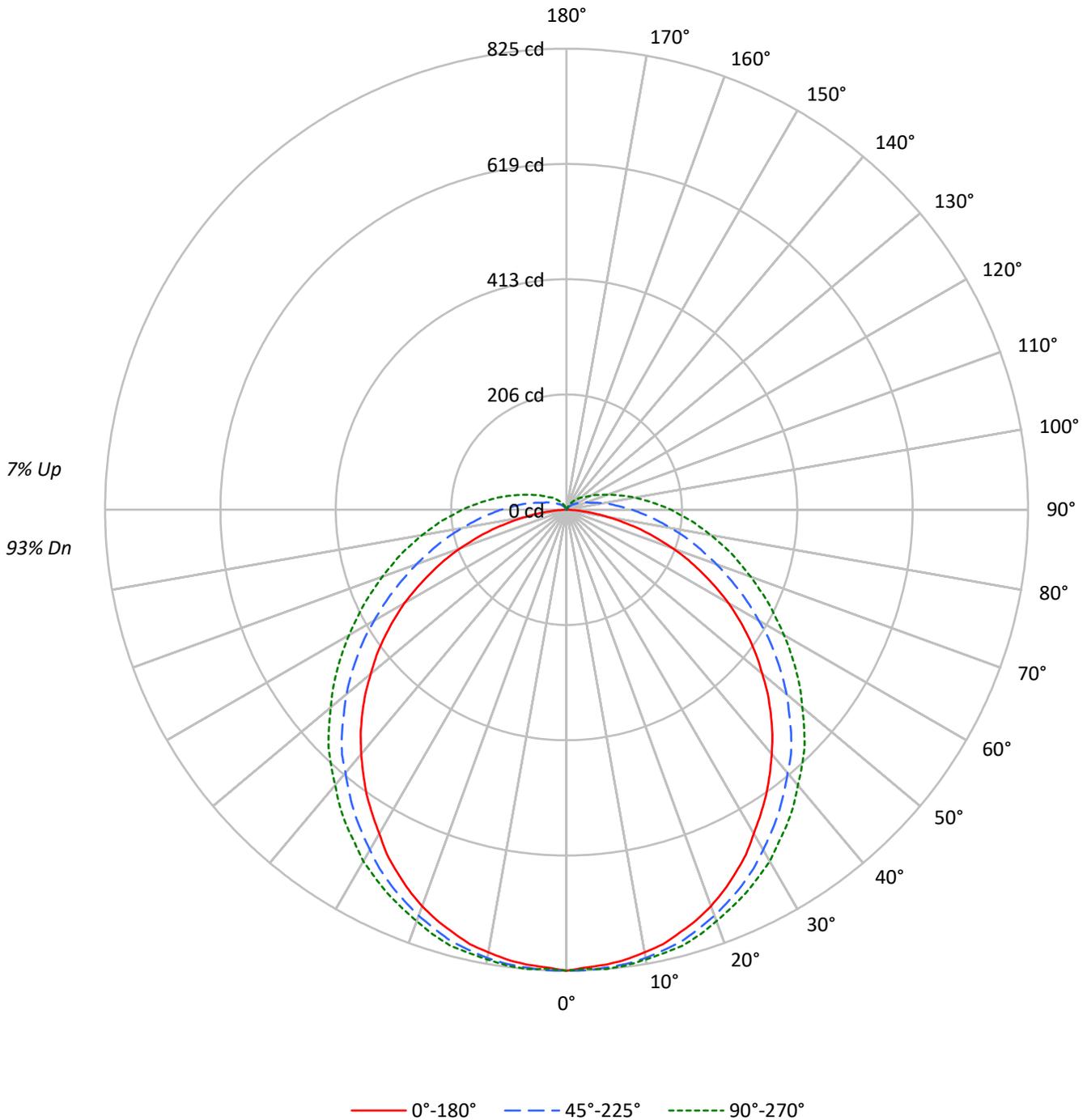
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2832.0 lumens
Efficiency: N/A
Efficacy: 104.5 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): 27.1
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: P1356841
CATALOG NUMBER: 2ASL4-15HE-2-92765-UNV_2700K

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°	13459	13459	13459
5°	13321	13170	13151
10°	13201	12908	12830
15°	13049	12623	12575
20°	12861	12269	12213
25°	12581	11921	11903
30°	12238	11526	11594
35°	11960	11159	11234
40°	11641	10763	10855
45°	11315	10419	10580
50°	10906	9969	10172
55°	10501	9489	9848
60°	10006	8949	9502
65°	9270	8444	9235
70°	8431	7965	8989
75°	7245	7580	8908
80°	5442	7222	8880
85°	3027	7131	9135

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11315 cd/sqm



TEST NUMBER: P1356841
 CATALOG NUMBER: 2ASL4-15HE-2-92765-UNV_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	2.8
10°-20°	224.9	7.9
20°-30°	340.8	12.0
30°-40°	412.1	14.6
40°-50°	434.5	15.3
50°-60°	405.5	14.3
60°-70°	334.8	11.8
70°-80°	242.9	8.6
80°-90°	153.4	5.4
90°-100°	91.6	3.2
100°-110°	52.5	1.9
110°-120°	29.8	1.1
120°-130°	17.0	0.6
130°-140°	9.2	0.3
140°-150°	4.0	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	643.9	22.7
0°-40°	1056.0	37.3
0°-60°	1896.0	66.9
0°-90°	2627.1	92.8
90°-120°	173.9	6.1
90°-150°	204.2	7.2
90°-180°	205.0	7.2
0°-180°	2832.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	825	825	825	825	825	
5°	817	825	822	822	825	78
15°	783	794	799	802	807	221
25°	716	726	742	752	758	330
35°	623	638	662	680	687	389
45°	516	537	568	592	602	398
55°	397	420	457	488	501	355
65°	267	296	340	381	400	265
75°	138	174	236	285	306	145
85°	26	80	150	202	223	32
90°	0	49	117	166	187	1
95°	0	31	88	135	153	0
105°	0	10	49	86	99	0
115°	0	5	28	52	62	0
125°	0	3	18	34	39	0
135°	0	0	10	21	26	0
145°	0	0	5	13	16	0
155°	0	0	0	3	5	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1356841

CATALOG NUMBER: 2ASL4-15HE-2-92765-UNV_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	824.9	824.9	824.9	824.9	824.9
2.5°	819.7	827.5	824.9	822.3	822.3
5°	817.1	824.9	822.3	822.3	824.9
7.5°	812.0	819.7	819.7	819.7	822.3
10°	804.2	814.6	814.6	814.6	817.1
12.5°	796.4	804.2	806.8	809.4	812.0
15°	783.4	793.8	799.0	801.6	806.8
17.5°	770.5	778.2	786.0	793.8	796.4
20°	754.9	765.3	773.0	780.8	783.4
22.5°	736.7	747.1	757.5	765.3	770.5
25°	716.0	726.4	741.9	752.3	757.5
27.5°	695.2	705.6	723.8	736.7	741.9
30°	669.3	684.8	703.0	718.6	726.4
32.5°	645.9	661.5	682.3	700.4	705.6
35°	622.6	638.2	661.5	679.7	687.4
37.5°	596.6	614.8	638.2	658.9	666.7
40°	570.7	588.9	614.8	638.2	643.3
42.5°	544.8	562.9	594.1	614.8	622.6
45°	516.2	537.0	568.1	591.5	601.8
47.5°	487.7	508.4	539.6	565.5	575.9
50°	456.6	479.9	513.6	539.6	550.0
52.5°	428.0	451.4	485.1	513.6	526.6
55°	396.9	420.2	456.6	487.7	500.7
57.5°	365.8	389.1	428.0	461.8	474.7
60°	334.6	358.0	396.9	435.8	448.8
62.5°	300.9	326.9	368.4	407.3	422.8
65°	267.2	295.7	339.8	381.3	399.5
67.5°	236.1	264.6	311.3	358.0	373.6
70°	202.3	233.5	285.4	332.0	350.2
72.5°	168.6	202.3	259.4	308.7	326.9
75°	137.5	173.8	236.1	285.4	306.1
77.5°	103.8	147.9	212.7	264.6	282.8
80°	75.2	121.9	189.4	243.8	262.0
82.5°	49.3	98.6	168.6	223.1	241.3
85°	25.9	80.4	150.5	202.3	223.1
87.5°	7.8	62.3	132.3	184.2	202.3
90°	0.0	49.3	116.7	166.0	186.8
92.5°	0.0	38.9	101.2	150.5	168.6
95°	0.0	31.1	88.2	134.9	153.1
97.5°	0.0	25.9	77.8	121.9	137.5
100°	0.0	20.8	67.4	109.0	124.5
102.5°	0.0	15.6	57.1	96.0	111.5
105°	0.0	10.4	49.3	85.6	98.6
107.5°	0.0	7.8	41.5	75.2	88.2
110°	0.0	7.8	38.9	64.9	77.8



TEST NUMBER: P1356841
 CATALOG NUMBER: 2ASL4-15HE-2-92765-UNV_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	5.2	33.7	59.7	70.0
115°	0.0	5.2	28.5	51.9	62.3
117.5°	0.0	5.2	25.9	46.7	57.1
120°	0.0	5.2	23.3	41.5	49.3
122.5°	0.0	2.6	20.8	36.3	44.1
125°	0.0	2.6	18.2	33.7	38.9
127.5°	0.0	2.6	15.6	31.1	36.3
130°	0.0	2.6	15.6	28.5	33.7
132.5°	0.0	0.0	13.0	25.9	31.1
135°	0.0	0.0	10.4	20.8	25.9
137.5°	0.0	0.0	10.4	18.2	23.3
140°	0.0	0.0	7.8	18.2	20.8
142.5°	0.0	0.0	5.2	15.6	18.2
145°	0.0	0.0	5.2	13.0	15.6
147.5°	0.0	0.0	2.6	10.4	13.0
150°	0.0	0.0	2.6	7.8	10.4
152.5°	0.0	0.0	0.0	5.2	7.8
155°	0.0	0.0	0.0	2.6	5.2
157.5°	0.0	0.0	0.0	0.0	2.6
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	18.31	19.85	18.79	20.31	20.80	20.29	21.83	20.76	22.29	22.78
	3H	19.82	21.22	20.30	21.69	22.22	22.70	24.11	23.19	24.58	25.11
	4H	20.30	21.63	20.80	22.11	22.66	23.88	25.21	24.39	25.70	26.24
	6H	20.57	21.81	21.09	22.31	22.87	25.11	26.34	25.63	26.84	27.40
	8H	20.63	21.81	21.16	22.34	22.90	25.73	26.91	26.26	27.44	28.00
	12H	20.64	21.78	21.18	22.30	22.90	26.40	27.53	26.93	28.05	28.65
4H	2H	19.18	20.50	19.68	20.99	21.54	20.73	22.05	21.23	22.54	23.08
	3H	20.92	22.05	21.44	22.58	23.15	23.37	24.50	23.89	25.03	25.60
	4H	21.53	22.57	22.07	23.11	23.71	24.73	25.76	25.26	26.30	26.90
	6H	21.93	22.85	22.49	23.42	24.03	26.15	27.06	26.70	27.63	28.24
	8H	22.03	22.89	22.59	23.46	24.08	26.87	27.74	27.44	28.30	28.93
	12H	22.08	22.86	22.66	23.46	24.09	27.67	28.45	28.25	29.04	29.68
8H	4H	22.21	23.07	22.77	23.63	24.26	24.95	25.81	25.51	26.38	27.00
	6H	22.79	23.52	23.39	24.13	24.76	26.55	27.28	27.14	27.88	28.52
	8H	22.98	23.64	23.59	24.26	24.90	27.42	28.08	28.03	28.70	29.34
	12H	23.10	23.69	23.71	24.30	25.01	28.40	28.99	29.01	29.60	30.31
12H	4H	22.40	23.18	22.98	23.78	24.41	24.96	25.74	25.54	26.34	26.97
	6H	23.08	23.75	23.69	24.36	25.01	26.59	27.25	27.19	27.87	28.51
	8H	23.37	23.96	23.98	24.57	25.28	27.53	28.12	28.14	28.73	29.44