

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: P1356816

Luminaire Tested: 2ASL4-10HE-2-92765-UNV_6500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356816
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_6500K
Description: 2FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

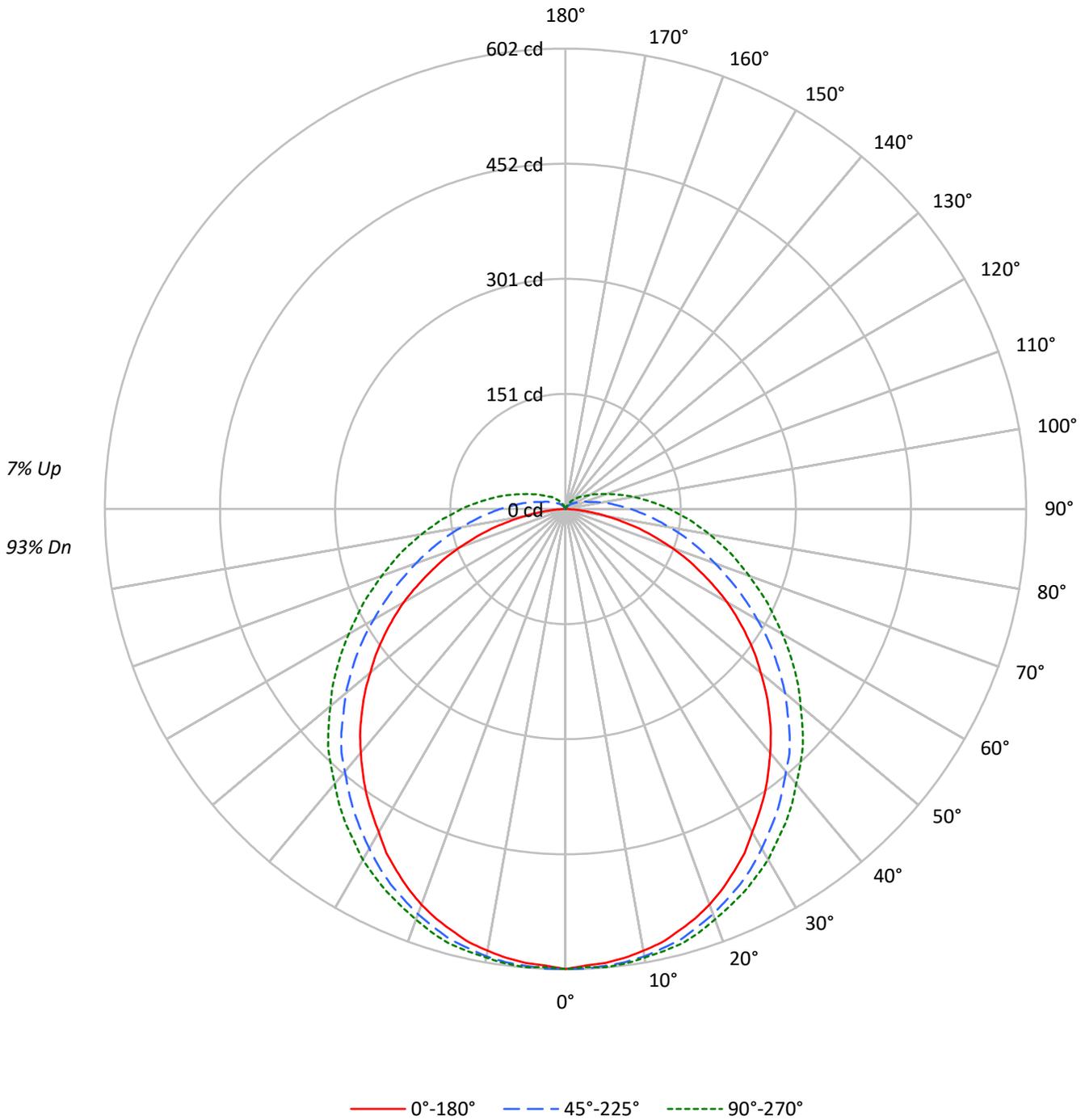
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2065.0 lumens
Efficiency: N/A
Efficacy: 117.3 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: P1356816
CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_6500K

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°	9814	9814	9814
5°	9713	9603	9589
10°	9626	9411	9355
15°	9514	9204	9169
20°	9377	8947	8905
25°	9174	8693	8678
30°	8923	8405	8453
35°	8721	8136	8192
40°	8488	7848	7916
45°	8251	7596	7714
50°	7951	7269	7417
55°	7657	6919	7181
60°	7297	6525	6927
65°	6758	6157	6734
70°	6147	5808	6555
75°	5285	5525	6495
80°	3973	5266	6473
85°	2209	5198	6662

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8251 cd/sqm



TEST NUMBER: P1356816
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	2.8
10°-20°	164.0	7.9
20°-30°	248.5	12.0
30°-40°	300.5	14.6
40°-50°	316.8	15.3
50°-60°	295.7	14.3
60°-70°	244.1	11.8
70°-80°	177.1	8.6
80°-90°	111.9	5.4
90°-100°	66.8	3.2
100°-110°	38.3	1.9
110°-120°	21.7	1.1
120°-130°	12.4	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°	469.5	22.7
0°-40°	770.0	37.3
0°-60°	1382.5	66.9
0°-90°	1915.6	92.8
90°-120°	126.8	6.1
90°-150°	148.9	7.2
90°-180°	149.0	7.2
0°-180°	2065.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	602	602	602	602	602	
5°	596	602	600	600	602	57
15°	571	579	583	584	588	161
25°	522	530	541	548	552	240
35°	454	465	482	496	501	284
45°	376	392	414	431	439	290
55°	289	306	333	356	365	259
65°	195	216	248	278	291	193
75°	100	127	172	208	223	105
85°	19	59	110	148	163	23
90°	0	36	85	121	136	1
95°	0	23	64	98	112	0
105°	0	8	36	62	72	0
115°	0	4	21	38	45	0
125°	0	2	13	25	28	0
135°	0	0	8	15	19	0
145°	0	0	4	10	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: P1356816

CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	601.5	601.5	601.5	601.5	601.5
2.5°	597.7	603.4	601.5	599.6	599.6
5°	595.8	601.5	599.6	599.6	601.5
7.5°	592.1	597.7	597.7	597.7	599.6
10°	586.4	593.9	593.9	593.9	595.8
12.5°	580.7	586.4	588.3	590.2	592.1
15°	571.2	578.8	582.6	584.5	588.3
17.5°	561.8	567.5	573.1	578.8	580.7
20°	550.4	558.0	563.7	569.4	571.2
22.5°	537.2	544.8	552.3	558.0	561.8
25°	522.1	529.6	541.0	548.5	552.3
27.5°	506.9	514.5	527.7	537.2	541.0
30°	488.0	499.4	512.6	524.0	529.6
32.5°	471.0	482.3	497.5	510.7	514.5
35°	454.0	465.3	482.3	495.6	501.3
37.5°	435.1	448.3	465.3	480.5	486.1
40°	416.1	429.4	448.3	465.3	469.1
42.5°	397.2	410.5	433.2	448.3	454.0
45°	376.4	391.6	414.2	431.3	438.8
47.5°	355.6	370.7	393.4	412.4	419.9
50°	332.9	349.9	374.5	393.4	401.0
52.5°	312.1	329.1	353.7	374.5	384.0
55°	289.4	306.4	332.9	355.6	365.1
57.5°	266.7	283.7	312.1	336.7	346.2
60°	244.0	261.0	289.4	317.8	327.2
62.5°	219.4	238.3	268.6	297.0	308.3
65°	194.8	215.6	247.8	278.1	291.3
67.5°	172.1	192.9	227.0	261.0	272.4
70°	147.5	170.2	208.1	242.1	255.4
72.5°	123.0	147.5	189.2	225.1	238.3
75°	100.3	126.7	172.1	208.1	223.2
77.5°	75.7	107.8	155.1	192.9	206.2
80°	54.9	88.9	138.1	177.8	191.0
82.5°	35.9	71.9	123.0	162.7	175.9
85°	18.9	58.6	109.7	147.5	162.7
87.5°	5.7	45.4	96.5	134.3	147.5
90°	0.0	35.9	85.1	121.1	136.2
92.5°	0.0	28.4	73.8	109.7	123.0
95°	0.0	22.7	64.3	98.4	111.6
97.5°	0.0	18.9	56.7	88.9	100.3
100°	0.0	15.1	49.2	79.4	90.8
102.5°	0.0	11.3	41.6	70.0	81.3
105°	0.0	7.6	35.9	62.4	71.9
107.5°	0.0	5.7	30.3	54.9	64.3
110°	0.0	5.7	28.4	47.3	56.7



TEST NUMBER: P1356816
 CATALOG NUMBER: 2ASL4-10HE-2-92765-UNV_6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	3.8	24.6	43.5	51.1
115°	0.0	3.8	20.8	37.8	45.4
117.5°	0.0	3.8	18.9	34.0	41.6
120°	0.0	3.8	17.0	30.3	35.9
122.5°	0.0	1.9	15.1	26.5	32.2
125°	0.0	1.9	13.2	24.6	28.4
127.5°	0.0	1.9	11.3	22.7	26.5
130°	0.0	1.9	11.3	20.8	24.6
132.5°	0.0	0.0	9.5	18.9	22.7
135°	0.0	0.0	7.6	15.1	18.9
137.5°	0.0	0.0	7.6	13.2	17.0
140°	0.0	0.0	5.7	13.2	15.1
142.5°	0.0	0.0	3.8	11.3	13.2
145°	0.0	0.0	3.8	9.5	11.3
147.5°	0.0	0.0	1.9	7.6	9.5
150°	0.0	0.0	1.9	5.7	7.6
152.5°	0.0	0.0	0.0	3.8	5.7
155°	0.0	0.0	0.0	1.9	3.8
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



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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	17.21	18.75	17.69	19.21	19.70	19.19	20.73	19.67	21.19	21.68
	3H	18.72	20.12	19.20	20.59	21.12	21.61	23.01	22.09	23.48	24.01
	4H	19.20	20.53	19.71	21.02	21.56	22.79	24.11	23.29	24.60	25.15
	6H	19.48	20.71	20.00	21.21	21.77	24.01	25.25	24.53	25.75	26.31
	8H	19.53	20.72	20.06	21.24	21.81	24.63	25.81	25.16	26.34	26.91
	12H	19.55	20.68	20.08	21.20	21.80	25.30	26.44	25.84	26.95	27.55
4H	2H	18.08	19.41	18.59	19.89	20.44	19.63	20.96	20.13	21.44	21.99
	3H	19.82	20.95	20.34	21.49	22.05	22.27	23.41	22.79	23.94	24.50
	4H	20.43	21.47	20.97	22.01	22.61	23.63	24.66	24.17	25.20	25.80
	6H	20.83	21.75	21.39	22.32	22.93	25.05	25.96	25.61	26.53	27.14
	8H	20.93	21.79	21.50	22.36	22.99	25.78	26.64	26.34	27.20	27.83
	12H	20.98	21.76	21.57	22.36	22.99	26.57	27.35	27.16	27.95	28.58
8H	4H	21.11	21.97	21.67	22.54	23.16	23.85	24.71	24.42	25.28	25.91
	6H	21.69	22.43	22.29	23.03	23.67	25.45	26.18	26.04	26.79	27.42
	8H	21.88	22.54	22.49	23.16	23.81	26.32	26.98	26.93	27.60	28.24
	12H	22.00	22.59	22.61	23.20	23.91	27.30	27.89	27.91	28.50	29.21
12H	4H	21.30	22.08	21.89	22.68	23.31	23.86	24.64	24.45	25.24	25.87
	6H	21.99	22.65	22.60	23.27	23.91	25.49	26.15	26.10	26.77	27.41
	8H	22.27	22.86	22.88	23.47	24.18	26.43	27.02	27.04	27.63	28.34