

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: P1357557

Luminaire Tested: 8ASL4-5-1-92765-UNV_6500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-6)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 8ASL4-5-1-92765-UNV_6500K
Description: 8FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

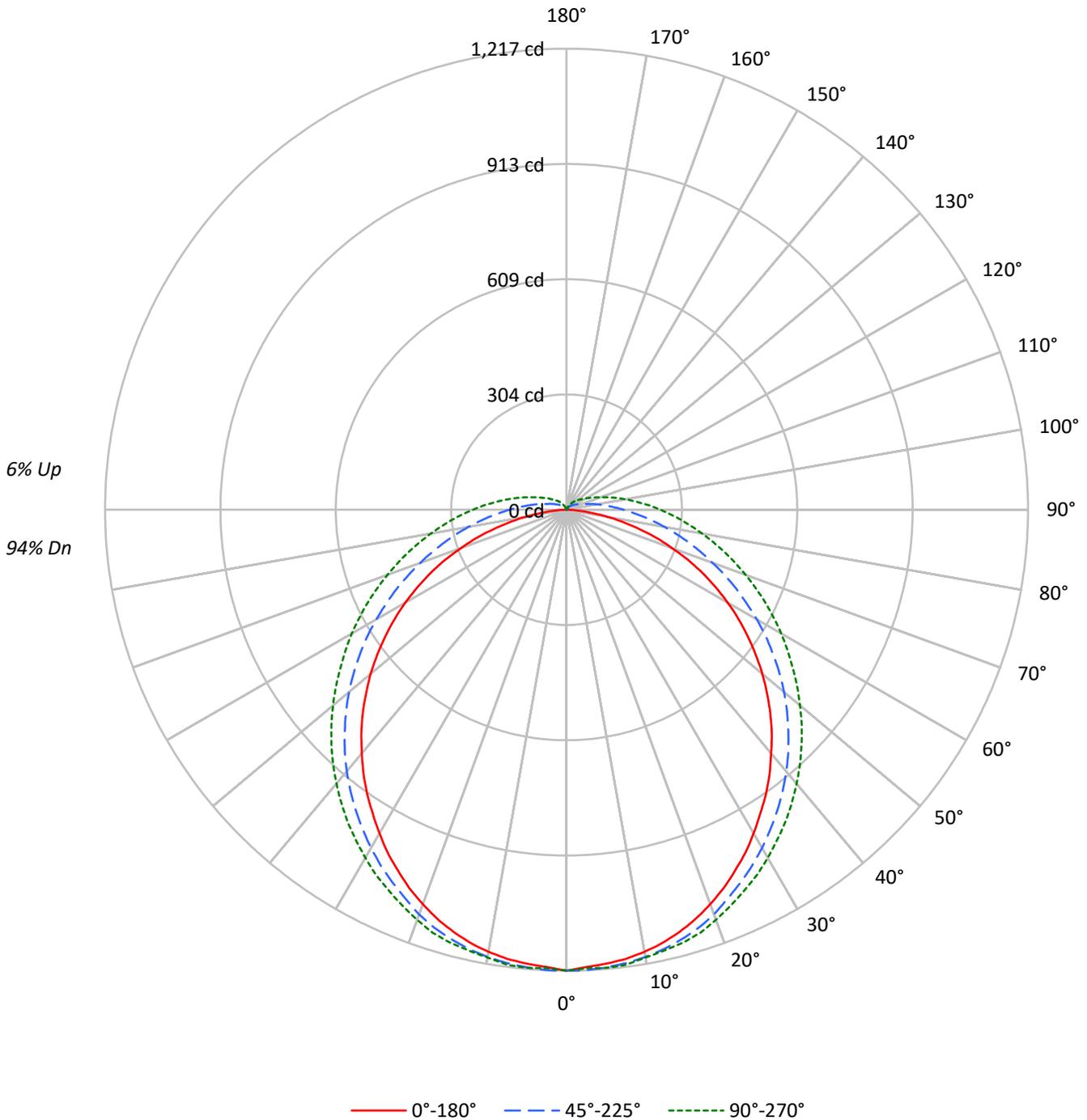
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4073.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 7.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 34.2
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: P1357557
CATALOG NUMBER: 8ASL4-5-1-92765-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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	96	96	96	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	82	80	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	71	67	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	62	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	56	50	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	50	44	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	38	32	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	32	27	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4924	4924	4924
5°	4881	4828	4800
10°	4858	4734	4674
15°	4815	4633	4576
20°	4749	4517	4454
25°	4667	4379	4323
30°	4576	4252	4201
35°	4487	4122	4078
40°	4387	3991	3952
45°	4292	3848	3823
50°	4180	3699	3687
55°	4042	3530	3552
60°	3889	3353	3433
65°	3692	3168	3314
70°	3380	2973	3198
75°	2976	2801	3110
80°	2419	2658	3054
85°	1503	2569	3075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4292 cd/sqm



TEST NUMBER: P1357557
 CATALOG NUMBER: 8ASL4-5-1-92765-UNV_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	2.8
10°-20°	330.7	8.1
20°-30°	500.0	12.3
30°-40°	604.4	14.8
40°-50°	635.5	15.6
50°-60°	592.0	14.5
60°-70°	486.3	11.9
70°-80°	345.3	8.5
80°-90°	208.1	5.1
90°-100°	116.6	2.9
100°-110°	64.6	1.6
110°-120°	36.0	0.9
120°-130°	20.8	0.5
130°-140°	11.3	0.3
140°-150°	5.0	0.1
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	945.9	23.2
0°-40°	1550.3	38.1
0°-60°	2777.8	68.2
0°-90°	3817.5	93.7
90°-120°	217.2	5.3
90°-150°	254.3	6.2
90°-180°	256.0	6.3
0°-180°	4073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1217	1217	1217	1217	1217	
5°	1203	1214	1212	1211	1214	114
15°	1153	1168	1174	1179	1184	325
25°	1051	1071	1086	1101	1109	485
35°	917	940	969	994	1006	573
45°	760	787	827	862	877	586
55°	584	616	665	709	728	522
65°	396	432	494	552	578	391
75°	200	250	333	402	431	213
85°	37	107	201	275	303	46
90°	0	63	150	220	246	2
95°	0	37	110	173	198	0
105°	0	14	58	105	124	0
115°	0	7	36	63	76	0
125°	0	4	22	41	48	0
135°	0	1	14	26	33	0
145°	1	0	6	15	19	1
155°	1	1	0	4	6	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357557

CATALOG NUMBER: 8ASL4-5-1-92765-UNV_6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1216.6	1216.6	1216.6	1216.6	1216.6
2.5°	1208.3	1219.3	1216.6	1211.1	1211.1
5°	1202.8	1213.8	1212.4	1211.1	1213.8
7.5°	1195.9	1206.9	1206.9	1208.3	1211.1
10°	1184.9	1198.7	1198.7	1198.7	1200.1
12.5°	1171.2	1184.9	1187.7	1189.0	1191.8
15°	1153.3	1168.4	1173.9	1179.4	1183.5
17.5°	1132.6	1147.8	1157.4	1164.3	1171.2
20°	1107.9	1124.4	1136.8	1145.0	1151.9
22.5°	1081.7	1098.2	1110.6	1123.0	1131.2
25°	1051.4	1070.7	1085.8	1101.0	1109.2
27.5°	1021.1	1040.4	1059.7	1077.6	1087.2
30°	986.7	1008.8	1030.8	1051.4	1061.1
32.5°	951.0	974.4	1000.5	1022.5	1033.5
35°	916.6	940.0	968.9	993.6	1006.0
37.5°	879.4	902.8	935.8	963.3	975.7
40°	839.5	865.6	901.4	930.3	944.1
42.5°	801.0	827.1	865.6	897.3	911.1
45°	759.7	787.2	827.1	861.5	876.6
47.5°	717.0	745.9	788.6	824.4	840.9
50°	674.3	704.6	748.7	787.2	803.7
52.5°	628.9	660.6	707.4	748.7	766.5
55°	583.5	616.5	664.7	708.7	728.0
57.5°	538.1	571.1	623.4	670.2	690.9
60°	491.3	525.7	579.4	630.3	653.7
62.5°	443.1	478.9	535.3	590.4	615.2
65°	396.3	432.1	494.1	551.9	578.0
67.5°	346.8	385.3	451.4	512.0	539.5
70°	295.9	339.9	410.1	474.8	502.3
72.5°	250.5	295.9	371.6	437.6	466.5
75°	199.6	250.5	333.0	401.9	430.8
77.5°	155.5	210.6	297.3	367.4	396.3
80°	111.5	172.0	262.9	334.4	363.3
82.5°	71.6	137.6	231.2	304.1	331.7
85°	37.2	107.3	200.9	275.2	302.8
87.5°	11.0	82.6	173.4	246.3	273.9
90°	0.0	63.3	150.0	220.2	246.3
92.5°	0.0	48.2	129.4	196.8	222.9
95°	0.0	37.2	110.1	173.4	198.2
97.5°	0.0	28.9	95.0	152.8	177.5
100°	0.0	23.4	81.2	134.9	158.3
102.5°	0.0	19.3	70.2	119.7	140.4
105°	0.0	13.8	57.8	104.6	123.9
107.5°	0.0	9.6	50.9	92.2	108.7
110°	0.0	8.3	45.4	79.8	96.3



TEST NUMBER: P1357557

CATALOG NUMBER: 8ASL4-5-1-92765-UNV_6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	6.9	39.9	71.6	85.3
115°	0.0	6.9	35.8	63.3	75.7
117.5°	0.0	5.5	30.3	56.4	67.4
120°	0.0	5.5	27.5	50.9	60.6
122.5°	0.0	4.1	24.8	45.4	55.0
125°	0.0	4.1	22.0	41.3	48.2
127.5°	0.0	2.8	19.3	37.2	44.0
130°	0.0	2.8	17.9	33.0	39.9
132.5°	0.0	1.4	16.5	30.3	35.8
135°	0.0	1.4	13.8	26.1	33.0
137.5°	0.0	0.0	12.4	23.4	28.9
140°	0.0	0.0	9.6	20.6	26.1
142.5°	1.4	0.0	8.3	17.9	22.0
145°	1.4	0.0	5.5	15.1	19.3
147.5°	1.4	1.4	4.1	12.4	15.1
150°	1.4	1.4	2.8	8.3	12.4
152.5°	1.4	1.4	1.4	5.5	8.3
155°	1.4	1.4	0.0	4.1	5.5
157.5°	1.4	1.4	0.0	1.4	2.8
160°	1.4	1.4	0.0	0.0	1.4
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	14.96	16.51	15.42	16.95	17.42	16.98	18.53	17.44	18.98	19.44
	3H	16.45	17.86	16.92	18.32	18.82	19.41	20.83	19.88	21.28	21.79
	4H	16.92	18.26	17.42	18.73	19.26	20.59	21.94	21.09	22.41	22.93
	6H	17.20	18.45	17.71	18.93	19.47	21.83	23.08	22.33	23.56	24.10
	8H	17.25	18.45	17.77	18.96	19.50	22.47	23.67	22.99	24.18	24.72
	12H	17.27	18.41	17.79	18.91	19.49	23.19	24.34	23.71	24.84	25.41
4H	2H	15.83	17.17	16.32	17.64	18.16	17.42	18.76	17.91	19.23	19.75
	3H	17.56	18.70	18.06	19.21	19.76	20.07	21.21	20.57	21.72	22.27
	4H	18.16	19.20	18.68	19.73	20.30	21.42	22.46	21.94	22.99	23.56
	6H	18.55	19.48	19.10	20.03	20.62	22.84	23.76	23.39	24.31	24.91
	8H	18.65	19.51	19.20	20.06	20.67	23.59	24.45	24.14	25.01	25.61
	12H	18.69	19.48	19.26	20.06	20.67	24.43	25.22	25.00	25.80	26.41
8H	4H	18.82	19.68	19.37	20.24	20.84	21.63	22.50	22.18	23.05	23.65
	6H	19.39	20.12	19.97	20.71	21.33	23.22	23.95	23.80	24.54	25.16
	8H	19.56	20.23	20.16	20.83	21.45	24.10	24.76	24.70	25.37	25.99
	12H	19.67	20.26	20.27	20.86	21.55	25.13	25.72	25.72	26.31	27.00
12H	4H	19.00	19.79	19.58	20.37	20.98	21.64	22.42	22.21	23.00	23.61
	6H	19.67	20.33	20.26	20.93	21.56	23.25	23.91	23.85	24.52	25.14
	8H	19.94	20.53	20.53	21.12	21.81	24.20	24.79	24.80	25.39	26.08