

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: P997284

Luminaire Tested: FSP-14-L3C3-CA125-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CA125-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

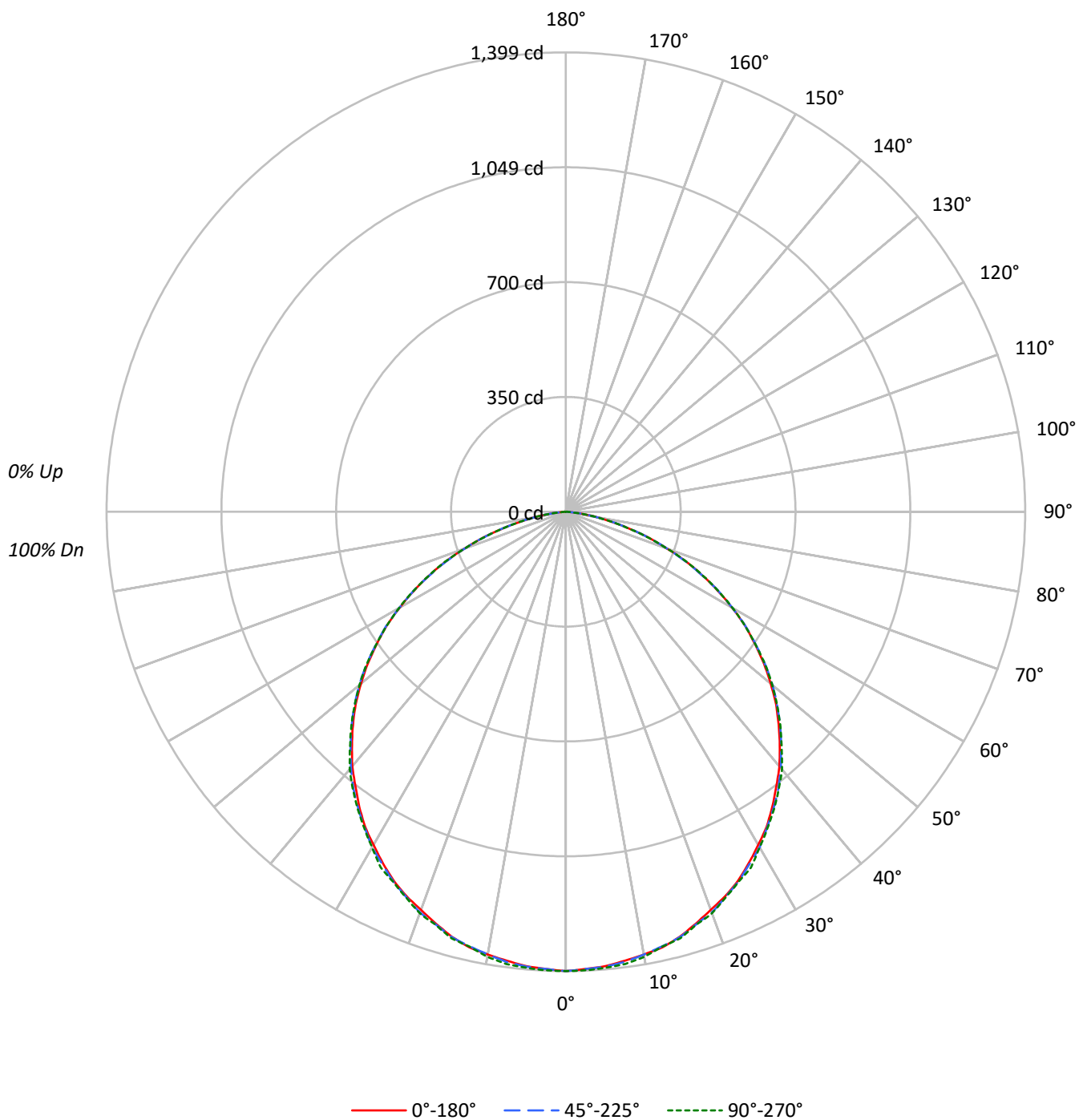
Lumens per Lamp: N/A
Luminaire Lumens: 3823.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
Input Voltage (V): NR
Input Current (Ain): 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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	95	98	95	92		94	92	90		91
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	88	79	72	66	76	70	65		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4861	4861	4861
5°	4845	4849	4862
10°	4830	4830	4857
15°	4821	4826	4839
20°	4771	4804	4813
25°	4755	4765	4770
30°	4701	4736	4736
35°	4652	4679	4689
40°	4589	4617	4646
45°	4505	4536	4542
50°	4402	4443	4436
55°	4260	4283	4275
60°	4062	4071	4079
65°	3779	3769	3790
70°	3337	3350	3350
75°	2733	2750	2716
80°	1949	1899	1899
85°	897	897	845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4542 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	3.5
10°-20°	378.3	9.9
20°-30°	572.7	15.0
30°-40°	689.6	18.0
40°-50°	711.3	18.6
50°-60°	631.4	16.5
60°-70°	454.1	11.9
70°-80°	218.5	5.7
80°-90°	34.8	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1083.2	28.3
0°-40°	1772.9	46.4
0°-60°	3115.6	81.5
0°-90°	3823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1399	1399	1399	1399	1399	
5°	1389	1393	1390	1389	1394	132
15°	1340	1344	1341	1339	1345	378
25°	1240	1244	1243	1244	1244	571
35°	1097	1099	1103	1105	1105	686
45°	917	923	923	924	924	707
55°	703	711	707	713	706	629
65°	460	460	458	460	461	454
75°	204	206	205	202	202	219
85°	22	22	22	21	21	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1393.9	1398.9	1393.9	1392.6	1397.6
5°	1388.9	1392.6	1390.1	1388.9	1393.9
7.5°	1378.9	1385.1	1382.6	1381.4	1388.9
10°	1368.9	1373.9	1368.9	1372.6	1376.4
12.5°	1358.9	1362.7	1355.2	1360.2	1356.4
15°	1340.2	1343.9	1341.4	1338.9	1345.2
17.5°	1315.2	1321.4	1317.7	1321.4	1318.9
20°	1290.2	1295.2	1299.0	1296.5	1301.5
22.5°	1267.7	1270.2	1270.2	1272.7	1271.5
25°	1240.3	1244.0	1242.7	1244.0	1244.0
27.5°	1206.5	1209.0	1210.3	1212.8	1221.5
30°	1171.6	1176.6	1180.3	1181.5	1180.3
32.5°	1137.8	1140.3	1140.3	1145.3	1142.8
35°	1096.6	1099.1	1102.9	1105.4	1105.4
37.5°	1052.9	1056.6	1062.9	1065.4	1065.4
40°	1011.7	1015.4	1017.9	1026.7	1024.2
42.5°	964.2	971.7	970.5	971.7	973.0
45°	916.8	923.0	923.0	924.3	924.3
47.5°	868.1	873.0	873.0	873.0	873.0
50°	814.3	816.8	821.8	818.1	820.6
52.5°	760.6	765.6	765.6	763.1	765.6
55°	703.2	710.7	706.9	713.2	705.7
57.5°	648.2	649.5	649.5	648.2	647.0
60°	584.5	589.5	585.8	583.3	587.0
62.5°	522.1	524.6	524.6	523.3	524.6
65°	459.6	459.6	458.4	459.6	460.9
67.5°	397.2	397.2	393.4	390.9	398.4
70°	328.5	332.2	329.7	329.7	329.7
72.5°	267.3	264.8	266.0	263.5	264.8
75°	203.6	206.1	204.8	202.3	202.3
77.5°	146.1	149.9	147.4	146.1	147.4
80°	97.4	96.2	94.9	94.9	94.9
82.5°	56.2	53.7	53.7	52.5	52.5
85°	22.5	22.5	22.5	21.2	21.2
87.5°	5.0	5.0	5.0	3.7	5.0
90°	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	17.28	18.89	17.64	19.20	19.52	17.26	18.87	17.62	19.19	19.50
	3H	18.84	20.30	19.22	20.63	20.99	18.82	20.28	19.20	20.60	20.96
	4H	19.32	20.68	19.72	21.03	21.41	19.29	20.66	19.69	21.00	21.38
	6H	19.56	20.83	19.98	21.19	21.59	19.53	20.80	19.94	21.16	21.55
	8H	19.60	20.81	20.03	21.20	21.60	19.57	20.77	19.99	21.16	21.56
	12H	19.61	20.76	20.04	21.14	21.57	19.57	20.72	20.00	21.10	21.53
4H	2H	17.85	19.22	18.25	19.56	19.94	17.84	19.20	18.23	19.55	19.93
	3H	19.61	20.75	20.02	21.14	21.54	19.58	20.72	19.99	21.12	21.52
	4H	20.18	21.21	20.61	21.62	22.06	20.15	21.17	20.58	21.59	22.02
	6H	20.51	21.40	20.96	21.84	22.30	20.47	21.37	20.93	21.81	22.26
	8H	20.57	21.40	21.03	21.84	22.31	20.52	21.36	20.98	21.80	22.27
	12H	20.58	21.33	21.06	21.81	22.28	20.54	21.28	21.02	21.76	22.23
8H	4H	20.38	21.22	20.84	21.66	22.12	20.35	21.19	20.81	21.63	22.09
	6H	20.77	21.46	21.26	21.95	22.42	20.73	21.42	21.23	21.91	22.39
	8H	20.85	21.47	21.36	21.98	22.46	20.81	21.43	21.32	21.93	22.42
	12H	20.89	21.43	21.40	21.93	22.49	20.84	21.39	21.35	21.88	22.44
12H	4H	20.38	21.13	20.86	21.61	22.08	20.35	21.10	20.84	21.58	22.05
	6H	20.77	21.39	21.28	21.90	22.38	20.74	21.35	21.25	21.86	22.35
	8H	20.89	21.43	21.39	21.92	22.48	20.84	21.39	21.35	21.88	22.44