

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: P997287

Luminaire Tested: FSP-14-L3C3-CA125-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997287
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-CA125-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

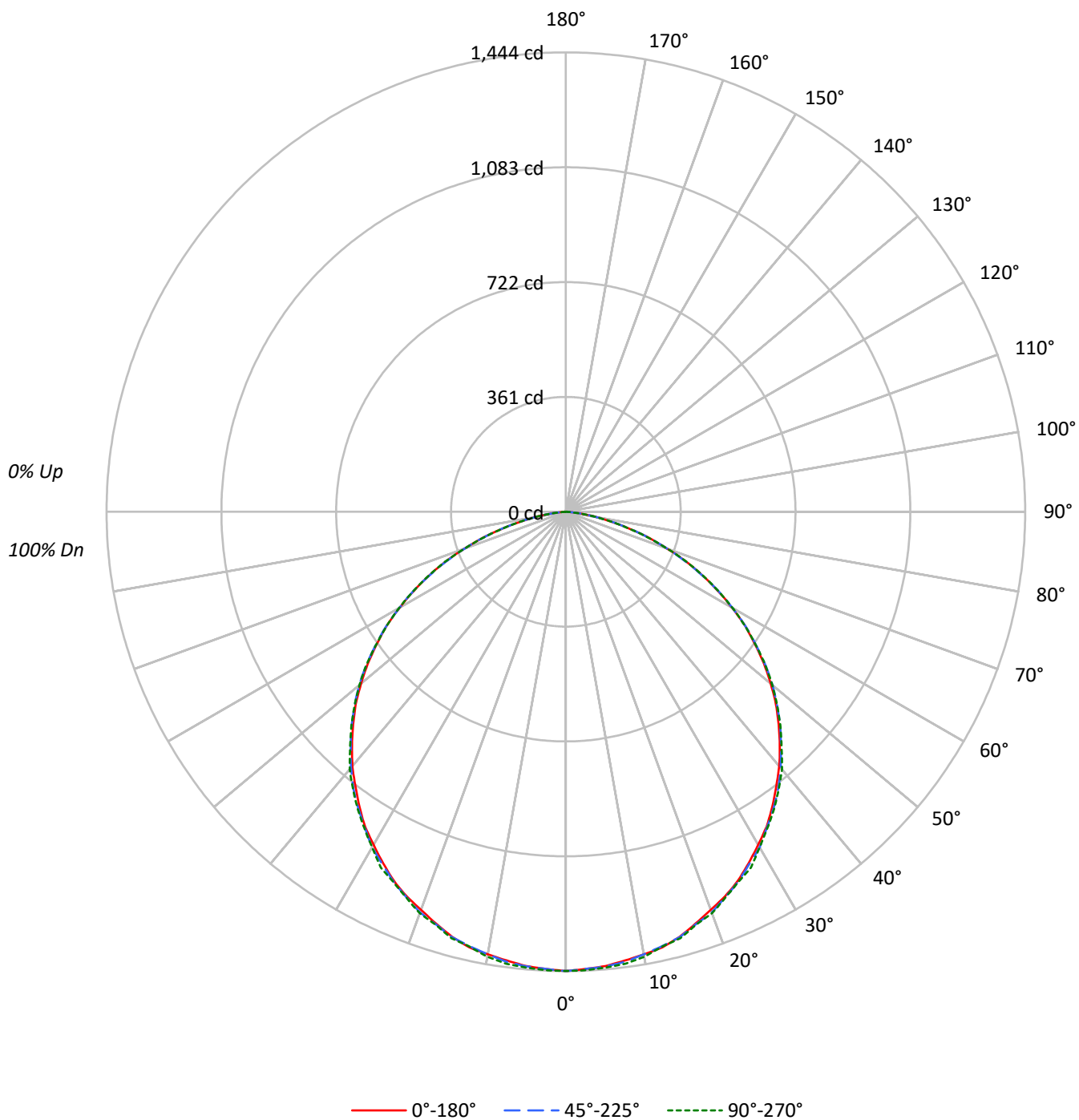
Lumens per Lamp: N/A
Luminaire Lumens: 3945.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	65		73	68	63		71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5016	5016	5016
5°	4999	5004	5017
10°	4984	4984	5011
15°	4975	4980	4994
20°	4923	4957	4966
25°	4907	4917	4922
30°	4851	4887	4887
35°	4800	4828	4838
40°	4736	4765	4794
45°	4649	4681	4687
50°	4543	4585	4578
55°	4396	4419	4412
60°	4192	4201	4210
65°	3900	3889	3910
70°	3444	3457	3457
75°	2821	2838	2803
80°	2011	1961	1961
85°	925	925	873

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4687 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	3.5
10°-20°	390.4	9.9
20°-30°	591.0	15.0
30°-40°	711.7	18.0
40°-50°	734.0	18.6
50°-60°	651.6	16.5
60°-70°	468.6	11.9
70°-80°	225.5	5.7
80°-90°	35.9	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°	1117.8	28.3
0°-40°	1829.4	46.4
0°-60°	3215.1	81.5
0°-90°	3945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3945.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1444	1444	1444	1444	1444	
5°	1433	1437	1434	1433	1438	136
15°	1383	1387	1384	1382	1388	390
25°	1280	1284	1282	1284	1284	589
35°	1132	1134	1138	1141	1141	708
45°	946	952	952	954	954	730
55°	726	733	730	736	728	649
65°	474	474	473	474	476	468
75°	210	213	211	209	209	226
85°	23	23	23	22	22	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1443.5	1443.5	1443.5	1443.5	1443.5
2.5°	1438.4	1443.5	1438.4	1437.1	1442.2
5°	1433.2	1437.1	1434.5	1433.2	1438.4
7.5°	1422.9	1429.3	1426.8	1425.5	1433.2
10°	1412.6	1417.7	1412.6	1416.4	1420.3
12.5°	1402.3	1406.1	1398.4	1403.6	1399.7
15°	1382.9	1386.8	1384.2	1381.6	1388.1
17.5°	1357.2	1363.6	1359.7	1363.6	1361.0
20°	1331.4	1336.5	1340.4	1337.8	1343.0
22.5°	1308.2	1310.8	1310.8	1313.3	1312.1
25°	1279.8	1283.7	1282.4	1283.7	1283.7
27.5°	1245.0	1247.6	1248.9	1251.5	1260.5
30°	1208.9	1214.1	1218.0	1219.3	1218.0
32.5°	1174.1	1176.7	1176.7	1181.9	1179.3
35°	1131.6	1134.2	1138.1	1140.6	1140.6
37.5°	1086.5	1090.4	1096.8	1099.4	1099.4
40°	1044.0	1047.8	1050.4	1059.4	1056.9
42.5°	995.0	1002.7	1001.4	1002.7	1004.0
45°	946.0	952.5	952.5	953.8	953.8
47.5°	895.8	900.9	900.9	900.9	900.9
50°	840.3	842.9	848.1	844.2	846.8
52.5°	784.9	790.1	790.1	787.5	790.1
55°	725.6	733.4	729.5	735.9	728.2
57.5°	668.9	670.2	670.2	668.9	667.6
60°	603.2	608.3	604.5	601.9	605.8
62.5°	538.7	541.3	541.3	540.0	541.3
65°	474.3	474.3	473.0	474.3	475.6
67.5°	409.9	409.9	406.0	403.4	411.1
70°	339.0	342.8	340.3	340.3	340.3
72.5°	275.8	273.2	274.5	271.9	273.2
75°	210.1	212.7	211.4	208.8	208.8
77.5°	150.8	154.7	152.1	150.8	152.1
80°	100.5	99.2	98.0	98.0	98.0
82.5°	58.0	55.4	55.4	54.1	54.1
85°	23.2	23.2	23.2	21.9	21.9
87.5°	5.2	5.2	5.2	3.9	5.2
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	17.38	19.00	17.75	19.31	19.63	17.37	18.98	17.73	19.30	19.61
	3H	18.95	20.41	19.33	20.73	21.09	18.93	20.38	19.31	20.71	21.07
	4H	19.43	20.79	19.82	21.14	21.52	19.40	20.77	19.80	21.11	21.49
	6H	19.67	20.94	20.08	21.30	21.69	19.64	20.91	20.05	21.27	21.66
	8H	19.71	20.92	20.14	21.31	21.71	19.68	20.88	20.10	21.27	21.67
	12H	19.72	20.87	20.15	21.25	21.68	19.68	20.83	20.11	21.21	21.64
4H	2H	17.96	19.33	18.36	19.67	20.05	17.94	19.31	18.34	19.66	20.04
	3H	19.71	20.85	20.12	21.25	21.65	19.69	20.83	20.10	21.23	21.63
	4H	20.29	21.31	20.72	21.73	22.17	20.26	21.28	20.69	21.70	22.13
	6H	20.62	21.51	21.07	21.95	22.41	20.58	21.48	21.04	21.92	22.37
	8H	20.68	21.51	21.14	21.95	22.42	20.63	21.47	21.09	21.91	22.38
	12H	20.69	21.44	21.17	21.92	22.39	20.65	21.39	21.13	21.87	22.34
8H	4H	20.49	21.33	20.95	21.77	22.23	20.46	21.30	20.92	21.74	22.20
	6H	20.88	21.57	21.37	22.06	22.53	20.84	21.53	21.34	22.02	22.50
	8H	20.96	21.58	21.47	22.09	22.57	20.92	21.54	21.43	22.04	22.53
	12H	21.00	21.54	21.51	22.03	22.60	20.95	21.50	21.46	21.99	22.55
12H	4H	20.49	21.24	20.97	21.72	22.19	20.46	21.21	20.94	21.69	22.16
	6H	20.88	21.50	21.39	22.01	22.49	20.84	21.46	21.36	21.97	22.46
	8H	21.00	21.54	21.50	22.03	22.59	20.95	21.50	21.46	21.99	22.55