

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: P997290

Luminaire Tested: FSP-14-L3C3-CP125-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP125-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

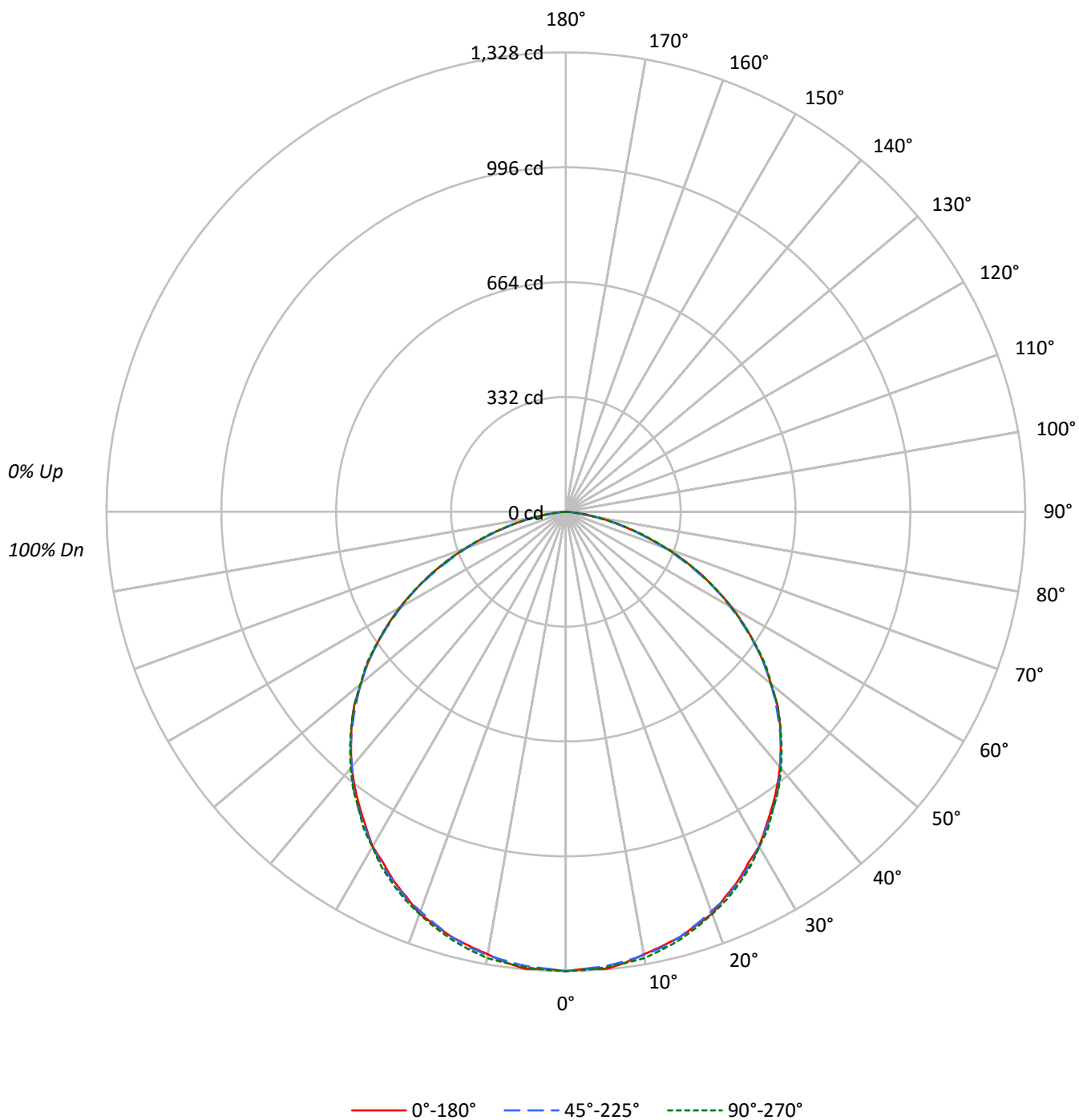
Lumens per Lamp: N/A
Luminaire Lumens: 3609.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	96	98	95	93		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	55		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47
8	61	48	39	33	60	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	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4615	4615	4615
5°	4628	4599	4612
10°	4584	4593	4622
15°	4578	4578	4604
20°	4572	4546	4577
25°	4515	4524	4547
30°	4483	4487	4487
35°	4412	4438	4432
40°	4368	4368	4390
45°	4306	4288	4312
50°	4183	4183	4189
55°	4045	4038	4052
60°	3861	3820	3836
65°	3568	3517	3568
70°	3122	3086	3159
75°	2556	2524	2588
80°	1809	1761	1809
85°	865	817	817

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	3.5
10°-20°	359.6	10.0
20°-30°	544.1	15.1
30°-40°	653.5	18.1
40°-50°	673.3	18.7
50°-60°	594.6	16.5
60°-70°	423.8	11.7
70°-80°	202.1	5.6
80°-90°	32.3	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°	1029.3	28.5
0°-40°	1682.9	46.6
0°-60°	2950.8	81.8
0°-90°	3609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1327	1322	1318	1322	1322	126
15°	1273	1273	1273	1274	1280	359
25°	1178	1175	1180	1186	1186	543
35°	1040	1044	1046	1048	1045	652
45°	876	872	872	876	877	675
55°	668	668	666	663	669	596
65°	434	430	428	423	434	428
75°	190	189	188	186	193	203
85°	22	20	20	20	20	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1328.1	1328.1	1328.1	1328.1	1328.1
2.5°	1322.1	1323.3	1322.1	1326.9	1325.7
5°	1326.9	1322.1	1318.5	1322.1	1322.1
7.5°	1314.8	1311.2	1310.0	1317.3	1316.0
10°	1299.2	1307.6	1301.6	1306.4	1310.0
12.5°	1285.9	1291.9	1289.5	1301.6	1295.6
15°	1272.7	1272.7	1272.7	1273.9	1279.9
17.5°	1253.4	1252.2	1251.0	1255.8	1259.4
20°	1236.5	1226.9	1229.3	1236.5	1237.7
22.5°	1205.2	1210.0	1208.8	1213.6	1213.6
25°	1177.5	1175.0	1179.9	1185.9	1185.9
27.5°	1143.7	1147.3	1150.9	1153.4	1155.8
30°	1117.2	1112.4	1118.4	1119.6	1118.4
32.5°	1077.4	1076.2	1081.0	1087.1	1087.1
35°	1040.1	1043.7	1046.1	1048.5	1044.9
37.5°	1002.7	1001.5	1008.7	1007.5	1009.9
40°	962.9	961.7	962.9	965.3	967.8
42.5°	919.5	915.9	920.8	922.0	923.2
45°	876.2	872.5	872.5	876.2	877.4
47.5°	830.4	823.1	823.1	824.3	829.2
50°	773.7	772.5	773.7	771.3	774.9
52.5°	723.1	721.9	721.9	719.5	727.9
55°	667.7	667.7	666.5	662.8	668.9
57.5°	612.2	611.0	607.4	607.4	611.0
60°	555.6	552.0	549.6	545.9	552.0
62.5°	492.9	492.9	491.7	484.5	494.1
65°	433.9	430.2	427.8	423.0	433.9
67.5°	372.4	368.8	364.0	362.8	372.4
70°	307.3	308.5	303.7	300.1	310.9
72.5°	245.9	250.7	243.4	242.2	250.7
75°	190.4	189.2	188.0	185.6	192.8
77.5°	137.4	136.2	135.0	132.6	139.8
80°	90.4	90.4	88.0	86.8	90.4
82.5°	50.6	49.4	48.2	49.4	51.8
85°	21.7	20.5	20.5	20.5	20.5
87.5°	4.8	4.8	3.6	3.6	3.6
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	17.06	18.67	17.42	18.98	19.30	17.02	18.63	17.39	18.95	19.26
	3H	18.60	20.05	18.98	20.38	20.74	18.56	20.01	18.93	20.34	20.70
	4H	19.07	20.43	19.47	20.78	21.16	19.03	20.39	19.43	20.74	21.12
	6H	19.31	20.57	19.72	20.94	21.33	19.28	20.54	19.69	20.90	21.29
	8H	19.35	20.55	19.77	20.94	21.34	19.31	20.52	19.74	20.91	21.31
	12H	19.35	20.50	19.78	20.88	21.31	19.32	20.47	19.75	20.85	21.28
4H	2H	17.62	18.99	18.02	19.33	19.71	17.59	18.95	17.99	19.30	19.68
	3H	19.35	20.49	19.76	20.89	21.29	19.30	20.44	19.71	20.84	21.24
	4H	19.91	20.94	20.34	21.35	21.79	19.86	20.89	20.29	21.30	21.74
	6H	20.24	21.13	20.69	21.57	22.03	20.19	21.08	20.64	21.52	21.98
	8H	20.29	21.12	20.75	21.57	22.03	20.24	21.08	20.70	21.52	21.98
	12H	20.31	21.05	20.79	21.53	22.00	20.26	21.00	20.74	21.48	21.95
8H	4H	20.10	20.93	20.56	21.38	21.84	20.06	20.89	20.52	21.33	21.80
	6H	20.49	21.17	20.98	21.66	22.14	20.44	21.13	20.93	21.61	22.09
	8H	20.57	21.18	21.08	21.69	22.18	20.52	21.13	21.03	21.64	22.13
	12H	20.60	21.14	21.11	21.63	22.20	20.55	21.10	21.06	21.59	22.15
12H	4H	20.10	20.85	20.58	21.33	21.79	20.06	20.81	20.54	21.28	21.75
	6H	20.49	21.10	21.00	21.61	22.10	20.44	21.05	20.95	21.56	22.05
	8H	20.60	21.14	21.10	21.63	22.19	20.55	21.09	21.06	21.59	22.15