

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: P997272

Luminaire Tested: FSP-14-L3C3-CA08-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CA08-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

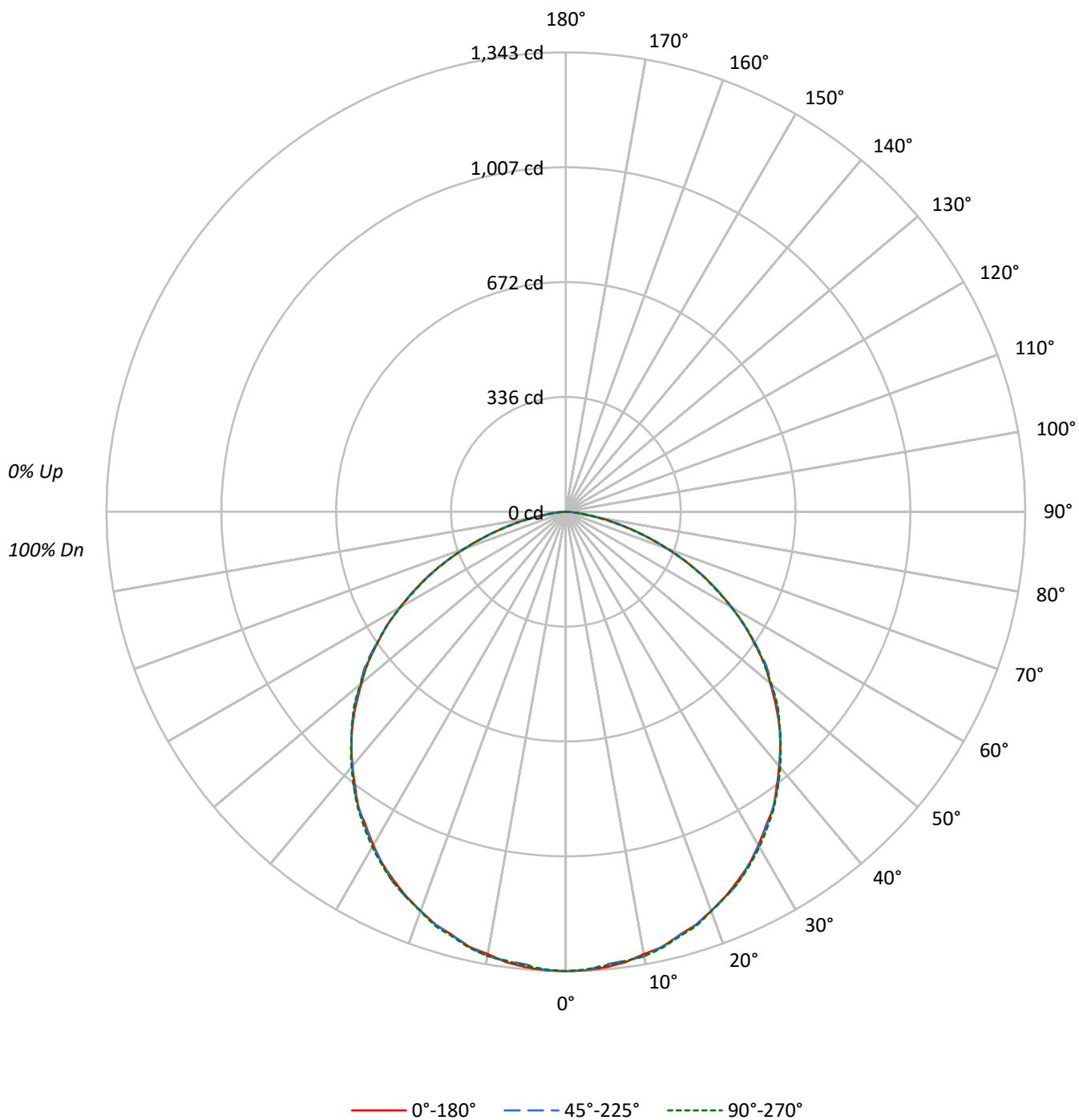
Lumens per Lamp: N/A
Luminaire Lumens: 3666.9 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	4666	4666	4666
5°	4663	4634	4646
10°	4632	4658	4653
15°	4610	4614	4623
20°	4591	4591	4596
25°	4562	4585	4580
30°	4518	4527	4542
35°	4485	4480	4495
40°	4402	4407	4424
45°	4336	4348	4342
50°	4216	4243	4236
55°	4083	4112	4097
60°	3895	3895	3887
65°	3638	3618	3618
70°	3196	3208	3221
75°	2654	2638	2622
80°	1881	1881	1833
85°	961	913	913

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4354 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	3.5
10°-20°	363.3	9.9
20°-30°	549.8	15.0
30°-40°	660.7	18.0
40°-50°	681.8	18.6
50°-60°	604.9	16.5
60°-70°	434.7	11.9
70°-80°	209.6	5.7
80°-90°	35.1	1.0
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°	1040.1	28.4
0°-40°	1700.8	46.4
0°-60°	2987.5	81.5
0°-90°	3666.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3666.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1343	1343	1343	1343	1343	
5°	1337	1337	1328	1338	1332	127
15°	1281	1290	1283	1292	1285	362
25°	1190	1192	1196	1196	1195	548
35°	1057	1057	1056	1058	1060	659
45°	882	884	885	886	884	679
55°	674	679	679	678	676	603
65°	442	444	440	436	440	435
75°	198	195	196	196	195	211
85°	24	23	23	24	23	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1342.9	1342.9	1342.9	1342.9	1342.9
2.5°	1341.7	1345.3	1341.7	1344.1	1339.3
5°	1336.9	1336.9	1328.4	1338.1	1332.0
7.5°	1328.4	1329.6	1323.6	1333.2	1324.8
10°	1312.8	1321.2	1320.0	1323.6	1318.8
12.5°	1303.1	1306.7	1301.9	1309.1	1305.5
15°	1281.4	1289.9	1282.6	1292.3	1285.0
17.5°	1265.7	1266.9	1265.7	1270.6	1269.4
20°	1241.6	1244.0	1241.6	1250.1	1242.8
22.5°	1217.5	1219.9	1219.9	1223.6	1218.7
25°	1189.8	1192.2	1195.8	1195.8	1194.6
27.5°	1160.9	1159.7	1159.7	1168.1	1164.5
30°	1125.9	1130.7	1128.3	1134.3	1131.9
32.5°	1088.5	1093.4	1090.9	1097.0	1095.8
35°	1057.2	1057.2	1056.0	1058.4	1059.6
37.5°	1012.6	1013.8	1017.4	1019.8	1017.4
40°	970.4	974.0	971.6	974.0	975.2
42.5°	928.2	931.8	928.2	934.2	929.4
45°	882.4	883.6	884.8	886.0	883.6
47.5°	831.8	837.8	836.6	839.0	840.2
50°	779.9	788.4	784.8	787.2	783.6
52.5°	732.9	732.9	739.0	731.7	730.5
55°	673.9	678.7	678.7	677.5	676.3
57.5°	620.8	623.2	618.4	620.8	622.0
60°	560.5	563.0	560.5	559.3	559.3
62.5°	500.3	502.7	502.7	501.5	497.9
65°	442.4	443.6	440.0	436.4	440.0
67.5°	379.7	378.5	378.5	376.1	378.5
70°	314.6	318.2	315.8	313.4	317.0
72.5°	254.4	256.8	253.1	251.9	254.4
75°	197.7	195.3	196.5	196.5	195.3
77.5°	145.9	142.2	139.8	139.8	141.0
80°	94.0	92.8	94.0	91.6	91.6
82.5°	53.0	53.0	53.0	53.0	54.2
85°	24.1	22.9	22.9	24.1	22.9
87.5°	6.0	6.0	7.2	6.0	6.0
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	17.13	18.74	17.49	19.06	19.37	17.11	18.72	17.47	19.04	19.35
	3H	18.69	20.14	19.06	20.47	20.83	18.66	20.12	19.04	20.44	20.81
	4H	19.16	20.53	19.56	20.88	21.26	19.14	20.51	19.54	20.85	21.23
	6H	19.42	20.69	19.84	21.05	21.45	19.38	20.65	19.79	21.01	21.40
	8H	19.46	20.67	19.89	21.06	21.46	19.42	20.63	19.85	21.02	21.42
	12H	19.47	20.62	19.90	21.01	21.44	19.43	20.58	19.86	20.97	21.39
4H	2H	17.70	19.07	18.10	19.42	19.80	17.69	19.05	18.08	19.40	19.78
	3H	19.45	20.59	19.86	20.99	21.39	19.43	20.57	19.84	20.96	21.36
	4H	20.02	21.05	20.46	21.46	21.90	20.00	21.03	20.43	21.44	21.88
	6H	20.37	21.26	20.82	21.70	22.16	20.32	21.22	20.78	21.66	22.12
	8H	20.42	21.26	20.88	21.70	22.17	20.38	21.22	20.84	21.66	22.13
	12H	20.44	21.19	20.92	21.67	22.14	20.40	21.15	20.88	21.63	22.10
8H	4H	20.22	21.06	20.69	21.50	21.97	20.20	21.04	20.66	21.48	21.95
	6H	20.63	21.32	21.12	21.80	22.28	20.59	21.28	21.08	21.77	22.24
	8H	20.71	21.33	21.22	21.84	22.32	20.67	21.29	21.19	21.80	22.29
	12H	20.75	21.30	21.26	21.79	22.35	20.72	21.26	21.23	21.75	22.32
12H	4H	20.23	20.98	20.71	21.45	21.92	20.21	20.95	20.69	21.43	21.90
	6H	20.63	21.25	21.14	21.75	22.24	20.59	21.21	21.10	21.72	22.20
	8H	20.75	21.29	21.25	21.78	22.35	20.71	21.26	21.22	21.75	22.31