

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: P997278

Luminaire Tested: FSP-14-L3C3-CA08-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997278
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-CA08-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

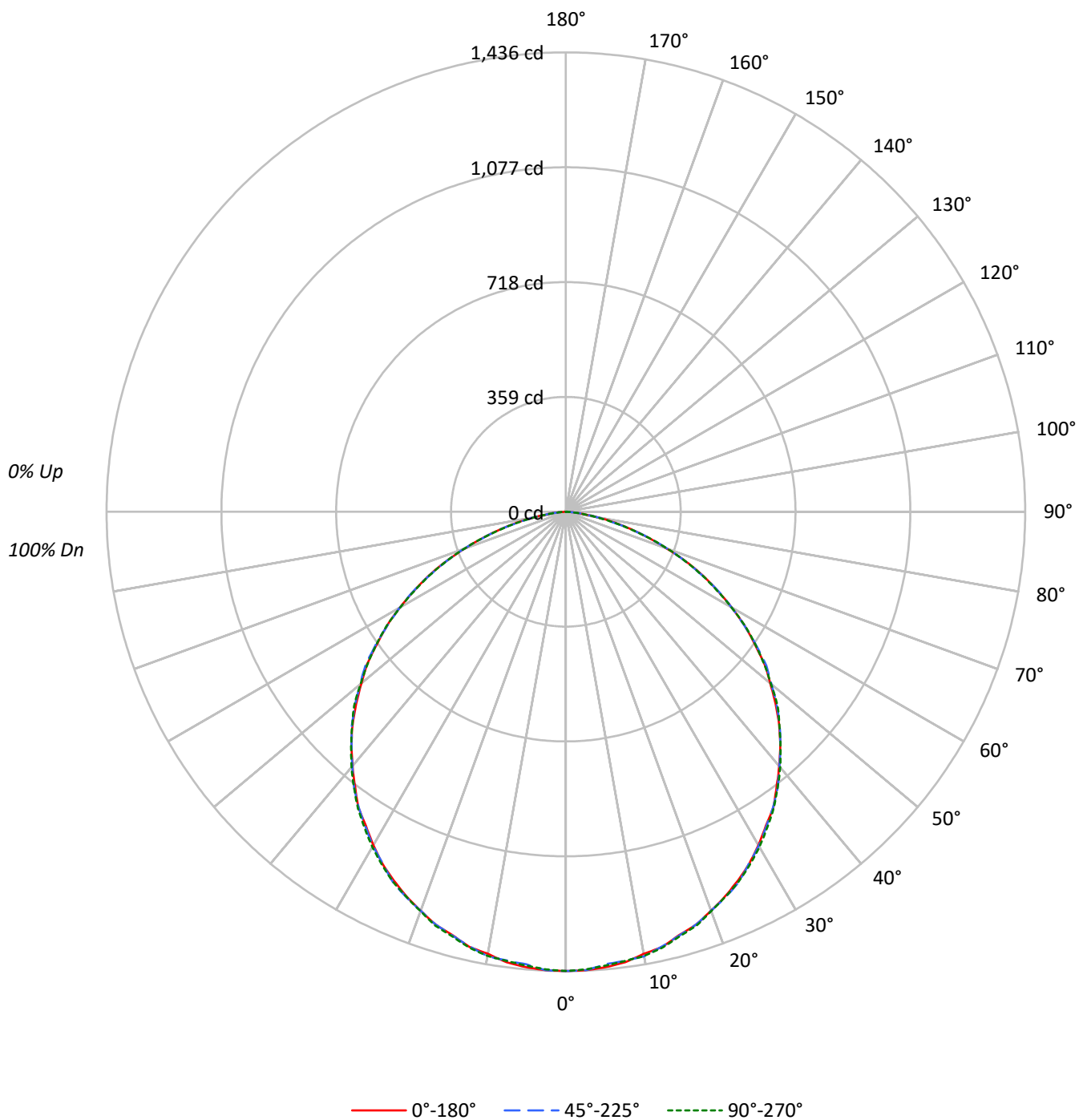
Lumens per Lamp: N/A
Luminaire Lumens: 3920.0 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	4988	4988	4988
5°	4985	4953	4967
10°	4951	4979	4974
15°	4928	4932	4942
20°	4908	4908	4913
25°	4877	4901	4896
30°	4829	4840	4855
35°	4794	4788	4805
40°	4706	4711	4729
45°	4636	4648	4642
50°	4507	4535	4528
55°	4364	4395	4379
60°	4164	4164	4155
65°	3888	3868	3868
70°	3417	3430	3443
75°	2837	2819	2803
80°	2011	2011	1959
85°	1029	977	977

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4654 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	3.5
10°-20°	388.4	9.9
20°-30°	587.7	15.0
30°-40°	706.3	18.0
40°-50°	728.9	18.6
50°-60°	646.6	16.5
60°-70°	464.7	11.9
70°-80°	224.1	5.7
80°-90°	37.6	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°	1111.9	28.4
0°-40°	1818.2	46.4
0°-60°	3193.6	81.5
0°-90°	3920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1436	1436	1436	1436	1436	
5°	1429	1429	1420	1430	1424	136
15°	1370	1379	1371	1381	1374	387
25°	1272	1274	1278	1278	1277	586
35°	1130	1130	1129	1131	1133	704
45°	943	945	946	947	945	726
55°	720	726	726	724	723	645
65°	473	474	470	466	470	465
75°	211	209	210	210	209	226
85°	26	24	24	26	24	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1435.5	1435.5	1435.5	1435.5	1435.5
2.5°	1434.3	1438.1	1434.3	1436.8	1431.7
5°	1429.1	1429.1	1420.1	1430.4	1423.9
7.5°	1420.1	1421.4	1414.9	1425.2	1416.2
10°	1403.3	1412.3	1411.1	1414.9	1409.8
12.5°	1393.0	1396.9	1391.7	1399.5	1395.6
15°	1369.8	1378.8	1371.1	1381.4	1373.7
17.5°	1353.1	1354.4	1353.1	1358.2	1356.9
20°	1327.3	1329.9	1327.3	1336.3	1328.6
22.5°	1301.5	1304.1	1304.1	1308.0	1302.8
25°	1271.9	1274.5	1278.3	1278.3	1277.0
27.5°	1241.0	1239.7	1239.7	1248.7	1244.8
30°	1203.6	1208.7	1206.2	1212.6	1210.0
32.5°	1163.6	1168.8	1166.2	1172.7	1171.4
35°	1130.1	1130.1	1128.8	1131.4	1132.7
37.5°	1082.5	1083.7	1087.6	1090.2	1087.6
40°	1037.4	1041.2	1038.6	1041.2	1042.5
42.5°	992.3	996.1	992.3	998.7	993.5
45°	943.3	944.6	945.9	947.1	944.6
47.5°	889.2	895.6	894.3	896.9	898.2
50°	833.7	842.8	838.9	841.5	837.6
52.5°	783.5	783.5	789.9	782.2	780.9
55°	720.3	725.5	725.5	724.2	722.9
57.5°	663.6	666.2	661.1	663.6	664.9
60°	599.2	601.8	599.2	597.9	597.9
62.5°	534.8	537.4	537.4	536.1	532.2
65°	472.9	474.2	470.4	466.5	470.4
67.5°	405.9	404.6	404.6	402.1	404.6
70°	336.3	340.2	337.6	335.0	338.9
72.5°	271.9	274.5	270.6	269.3	271.9
75°	211.3	208.8	210.0	210.0	208.8
77.5°	155.9	152.1	149.5	149.5	150.8
80°	100.5	99.2	100.5	97.9	97.9
82.5°	56.7	56.7	56.7	56.7	58.0
85°	25.8	24.5	24.5	25.8	24.5
87.5°	6.4	6.4	7.7	6.4	6.4
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	17.36	18.98	17.73	19.29	19.60	17.34	18.95	17.70	19.27	19.58
	3H	18.92	20.37	19.30	20.70	21.06	18.89	20.35	19.27	20.68	21.04
	4H	19.40	20.76	19.79	21.11	21.49	19.37	20.74	19.77	21.08	21.46
	6H	19.66	20.92	20.07	21.29	21.68	19.61	20.88	20.03	21.25	21.64
	8H	19.70	20.90	20.12	21.29	21.69	19.66	20.86	20.08	21.25	21.65
	12H	19.70	20.86	20.13	21.24	21.67	19.66	20.82	20.09	21.20	21.63
4H	2H	17.94	19.30	18.33	19.65	20.03	17.92	19.29	18.32	19.63	20.01
	3H	19.69	20.83	20.09	21.22	21.62	19.66	20.80	20.07	21.20	21.60
	4H	20.26	21.28	20.69	21.70	22.13	20.23	21.26	20.66	21.67	22.11
	6H	20.60	21.49	21.05	21.93	22.39	20.56	21.45	21.01	21.89	22.35
	8H	20.65	21.49	21.12	21.93	22.40	20.62	21.45	21.08	21.89	22.36
	12H	20.67	21.42	21.16	21.90	22.37	20.64	21.38	21.12	21.86	22.33
8H	4H	20.46	21.29	20.92	21.73	22.20	20.43	21.27	20.89	21.71	22.18
	6H	20.86	21.55	21.35	22.04	22.51	20.82	21.51	21.31	22.00	22.47
	8H	20.94	21.56	21.45	22.07	22.55	20.91	21.52	21.42	22.03	22.52
	12H	20.98	21.53	21.49	22.02	22.58	20.95	21.50	21.46	21.99	22.55
12H	4H	20.46	21.21	20.94	21.68	22.15	20.44	21.19	20.92	21.66	22.13
	6H	20.86	21.48	21.37	21.99	22.47	20.82	21.44	21.33	21.95	22.44
	8H	20.98	21.52	21.49	22.02	22.58	20.94	21.49	21.45	21.98	22.54