

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: P997275

Luminaire Tested: FSP-14-L3C3-CA08-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997275
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-CA08-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

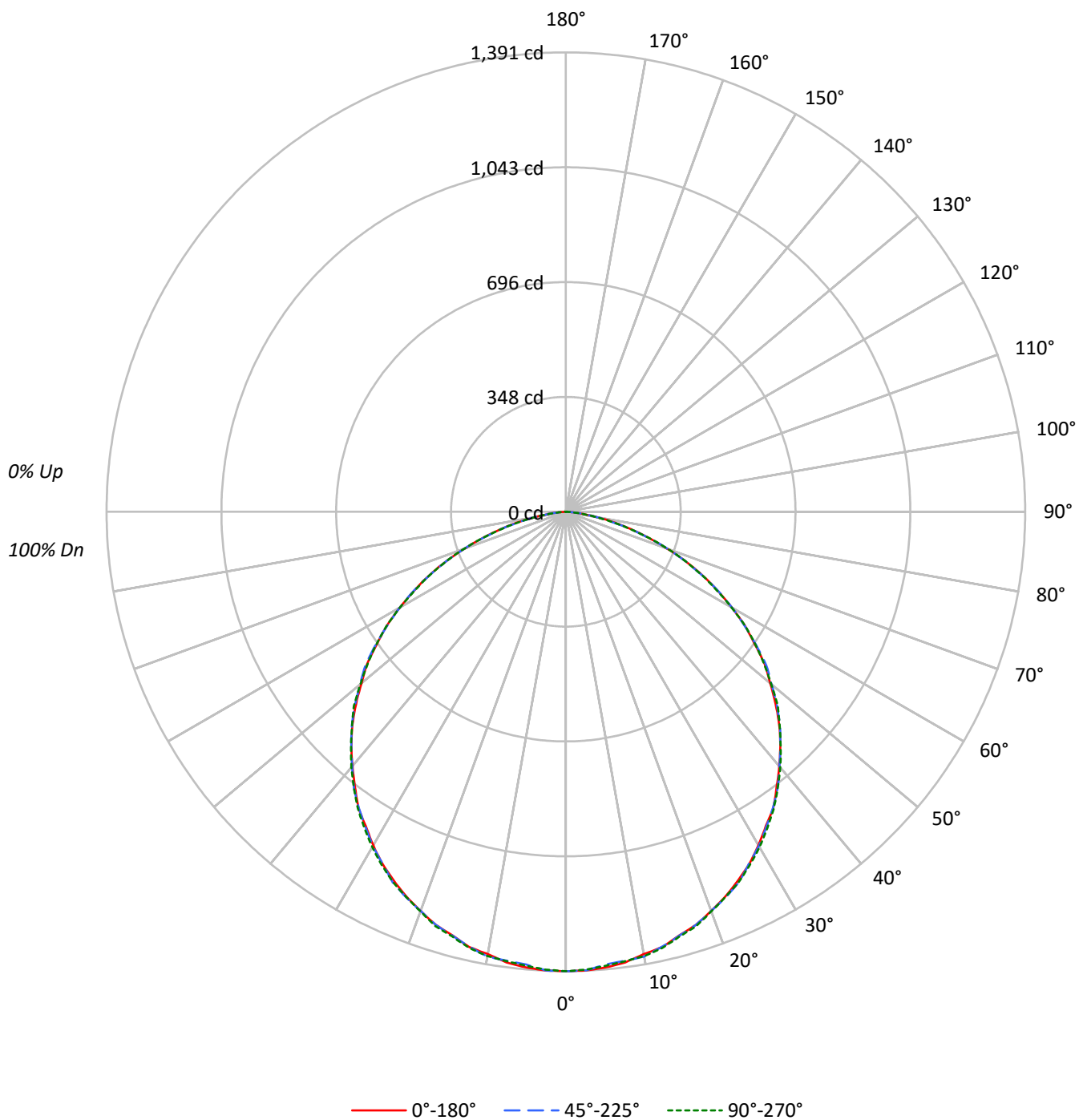
Lumens per Lamp: N/A
Luminaire Lumens: 3799.0 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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
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°	4834	4834	4834
5°	4831	4800	4814
10°	4799	4825	4821
15°	4776	4780	4789
20°	4757	4757	4761
25°	4726	4750	4745
30°	4680	4690	4705
35°	4646	4641	4656
40°	4560	4566	4583
45°	4493	4505	4498
50°	4368	4395	4389
55°	4229	4260	4244
60°	4036	4036	4027
65°	3768	3748	3748
70°	3312	3324	3337
75°	2750	2733	2716
80°	1949	1949	1899
85°	997	945	945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	3.5
10°-20°	376.4	9.9
20°-30°	569.6	15.0
30°-40°	684.5	18.0
40°-50°	706.4	18.6
50°-60°	626.6	16.5
60°-70°	450.4	11.9
70°-80°	217.2	5.7
80°-90°	36.4	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°	1077.5	28.4
0°-40°	1762.0	46.4
0°-60°	3095.1	81.5
0°-90°	3799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3799.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1391	1391	1391	1391	1391	
5°	1385	1385	1376	1386	1380	131
15°	1328	1336	1329	1339	1331	375
25°	1233	1235	1239	1239	1238	568
35°	1095	1095	1094	1096	1098	682
45°	914	915	917	918	915	703
55°	698	703	703	702	701	625
65°	458	460	456	452	456	451
75°	205	202	204	204	202	219
85°	25	24	24	25	24	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1391.2	1391.2	1391.2	1391.2	1391.2
2.5°	1390.0	1393.7	1390.0	1392.5	1387.5
5°	1385.0	1385.0	1376.2	1386.2	1380.0
7.5°	1376.2	1377.5	1371.2	1381.2	1372.5
10°	1360.0	1368.8	1367.5	1371.2	1366.3
12.5°	1350.0	1353.8	1348.8	1356.3	1352.5
15°	1327.5	1336.3	1328.8	1338.8	1331.3
17.5°	1311.3	1312.6	1311.3	1316.3	1315.1
20°	1286.3	1288.8	1286.3	1295.1	1287.6
22.5°	1261.4	1263.8	1263.8	1267.6	1262.6
25°	1232.6	1235.1	1238.9	1238.9	1237.6
27.5°	1202.7	1201.4	1201.4	1210.1	1206.4
30°	1166.4	1171.4	1168.9	1175.2	1172.7
32.5°	1127.7	1132.7	1130.2	1136.5	1135.2
35°	1095.3	1095.3	1094.0	1096.5	1097.7
37.5°	1049.0	1050.3	1054.0	1056.5	1054.0
40°	1005.3	1009.1	1006.6	1009.1	1010.3
42.5°	961.6	965.4	961.6	967.9	962.9
45°	914.2	915.4	916.7	917.9	915.4
47.5°	861.7	868.0	866.7	869.2	870.5
50°	808.0	816.8	813.0	815.5	811.8
52.5°	759.3	759.3	765.6	758.1	756.8
55°	698.1	703.1	703.1	701.9	700.6
57.5°	643.2	645.7	640.7	643.2	644.4
60°	580.7	583.2	580.7	579.5	579.5
62.5°	518.3	520.8	520.8	519.5	515.8
65°	458.3	459.6	455.8	452.1	455.8
67.5°	393.4	392.1	392.1	389.6	392.1
70°	326.0	329.7	327.2	324.7	328.5
72.5°	263.5	266.0	262.3	261.0	263.5
75°	204.8	202.3	203.6	203.6	202.3
77.5°	151.1	147.4	144.9	144.9	146.1
80°	97.4	96.2	97.4	94.9	94.9
82.5°	54.9	54.9	54.9	54.9	56.2
85°	25.0	23.7	23.7	25.0	23.7
87.5°	6.2	6.2	7.5	6.2	6.2
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	17.25	18.87	17.62	19.18	19.50	17.23	18.85	17.60	19.16	19.47
	3H	18.81	20.27	19.19	20.59	20.95	18.79	20.24	19.16	20.57	20.93
	4H	19.29	20.66	19.69	21.00	21.38	19.26	20.63	19.66	20.98	21.35
	6H	19.55	20.81	19.96	21.18	21.57	19.51	20.77	19.92	21.14	21.53
	8H	19.59	20.79	20.01	21.18	21.58	19.55	20.75	19.97	21.14	21.54
	12H	19.59	20.75	20.02	21.13	21.56	19.55	20.71	19.98	21.09	21.52
4H	2H	17.83	19.19	18.23	19.54	19.92	17.81	19.18	18.21	19.53	19.90
	3H	19.58	20.72	19.99	21.11	21.51	19.55	20.69	19.96	21.09	21.49
	4H	20.15	21.17	20.58	21.59	22.02	20.12	21.15	20.55	21.56	22.00
	6H	20.49	21.38	20.94	21.82	22.28	20.45	21.34	20.90	21.78	22.24
	8H	20.55	21.38	21.01	21.82	22.29	20.51	21.34	20.97	21.78	22.25
	12H	20.57	21.31	21.05	21.79	22.26	20.53	21.28	21.01	21.75	22.22
8H	4H	20.35	21.18	20.81	21.63	22.09	20.32	21.16	20.79	21.60	22.07
	6H	20.75	21.44	21.24	21.93	22.40	20.71	21.40	21.21	21.89	22.37
	8H	20.83	21.45	21.34	21.96	22.45	20.80	21.42	21.31	21.92	22.41
	12H	20.88	21.42	21.38	21.91	22.47	20.84	21.39	21.35	21.88	22.44
12H	4H	20.35	21.10	20.83	21.58	22.05	20.33	21.08	20.81	21.55	22.02
	6H	20.75	21.37	21.26	21.88	22.36	20.71	21.33	21.22	21.84	22.33
	8H	20.87	21.42	21.38	21.91	22.47	20.84	21.38	21.34	21.87	22.43