

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: P997289

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997289
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-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

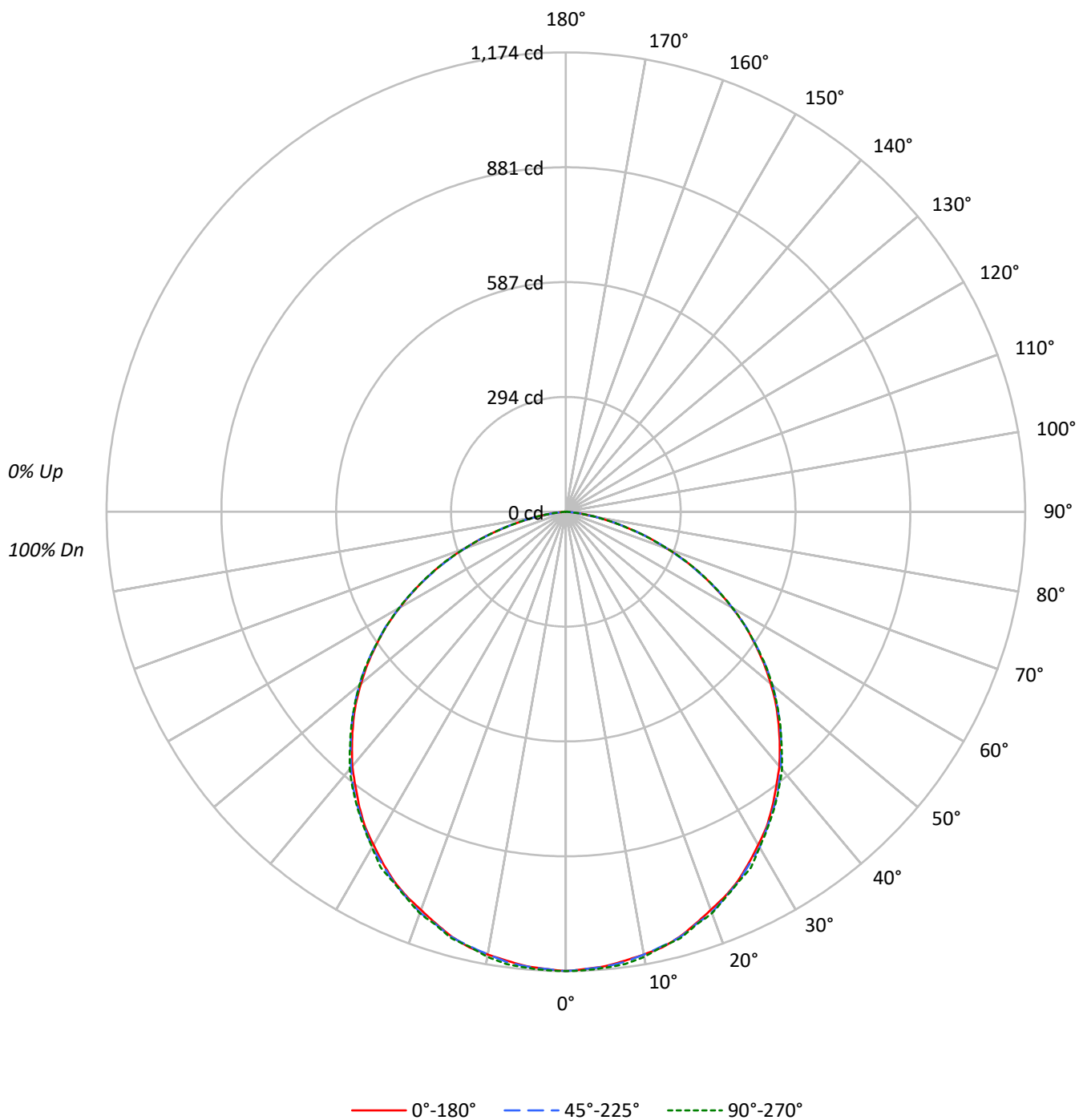
Lumens per Lamp: N/A
Luminaire Lumens: 3208.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 28.2
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°	4079	4079	4079
5°	4065	4069	4080
10°	4053	4053	4075
15°	4046	4049	4061
20°	4004	4031	4038
25°	3990	3998	4002
30°	3945	3974	3974
35°	3904	3926	3934
40°	3851	3875	3898
45°	3780	3806	3811
50°	3694	3728	3723
55°	3575	3594	3588
60°	3409	3416	3423
65°	3171	3162	3180
70°	2800	2811	2811
75°	2293	2308	2280
80°	1635	1595	1595
85°	754	754	710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3811 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	3.5
10°-20°	317.5	9.9
20°-30°	480.6	15.0
30°-40°	578.7	18.0
40°-50°	596.9	18.6
50°-60°	529.9	16.5
60°-70°	381.0	11.9
70°-80°	183.3	5.7
80°-90°	29.2	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°	909.0	28.3
0°-40°	1487.7	46.4
0°-60°	2614.4	81.5
0°-90°	3208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1174	1174	1174	1174	1174	
5°	1166	1169	1166	1166	1170	111
15°	1125	1128	1126	1124	1129	317
25°	1041	1044	1043	1044	1044	479
35°	920	922	925	928	928	575
45°	769	774	774	776	776	593
55°	590	596	593	598	592	528
65°	386	386	385	386	387	381
75°	171	173	172	170	170	183
85°	19	19	19	18	18	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1173.8	1173.8	1173.8	1173.8	1173.8
2.5°	1169.6	1173.8	1169.6	1168.6	1172.8
5°	1165.5	1168.6	1166.5	1165.5	1169.6
7.5°	1157.1	1162.3	1160.2	1159.2	1165.5
10°	1148.7	1152.9	1148.7	1151.8	1155.0
12.5°	1140.3	1143.4	1137.2	1141.3	1138.2
15°	1124.6	1127.7	1125.6	1123.5	1128.8
17.5°	1103.6	1108.9	1105.7	1108.9	1106.8
20°	1082.7	1086.8	1090.0	1087.9	1092.1
22.5°	1063.8	1065.9	1065.9	1068.0	1066.9
25°	1040.7	1043.9	1042.8	1043.9	1043.9
27.5°	1012.4	1014.5	1015.6	1017.7	1025.0
30°	983.1	987.3	990.4	991.5	990.4
32.5°	954.8	956.9	956.9	961.1	959.0
35°	920.2	922.3	925.4	927.5	927.5
37.5°	883.5	886.7	891.9	894.0	894.0
40°	848.9	852.1	854.2	861.5	859.4
42.5°	809.1	815.4	814.4	815.4	816.4
45°	769.3	774.5	774.5	775.6	775.6
47.5°	728.4	732.6	732.6	732.6	732.6
50°	683.3	685.4	689.6	686.5	688.6
52.5°	638.3	642.5	642.5	640.4	642.5
55°	590.1	596.4	593.2	598.4	592.2
57.5°	543.9	545.0	545.0	543.9	542.9
60°	490.5	494.7	491.5	489.4	492.6
62.5°	438.1	440.2	440.2	439.1	440.2
65°	385.7	385.7	384.6	385.7	386.7
67.5°	333.3	333.3	330.1	328.0	334.3
70°	275.6	278.8	276.7	276.7	276.7
72.5°	224.3	222.2	223.2	221.1	222.2
75°	170.8	172.9	171.9	169.8	169.8
77.5°	122.6	125.8	123.7	122.6	123.7
80°	81.7	80.7	79.7	79.7	79.7
82.5°	47.2	45.1	45.1	44.0	44.0
85°	18.9	18.9	18.9	17.8	17.8
87.5°	4.2	4.2	4.2	3.1	4.2
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	16.67	18.28	17.03	18.59	18.91	16.65	18.26	17.01	18.58	18.89
	3H	18.23	19.69	18.61	20.02	20.38	18.21	19.67	18.59	19.99	20.35
	4H	18.71	20.08	19.11	20.42	20.80	18.68	20.05	19.08	20.39	20.77
	6H	18.95	20.22	19.37	20.58	20.98	18.92	20.19	19.34	20.55	20.95
	8H	18.99	20.20	19.42	20.59	20.99	18.96	20.17	19.38	20.55	20.95
	12H	19.00	20.15	19.43	20.53	20.96	18.96	20.11	19.39	20.50	20.92
4H	2H	17.24	18.61	17.64	18.95	19.33	17.23	18.59	17.62	18.94	19.32
	3H	19.00	20.14	19.41	20.53	20.93	18.98	20.11	19.38	20.51	20.91
	4H	19.57	20.60	20.00	21.01	21.45	19.54	20.56	19.97	20.98	21.41
	6H	19.90	20.79	20.35	21.24	21.69	19.86	20.76	20.32	21.20	21.65
	8H	19.96	20.79	20.42	21.24	21.70	19.91	20.75	20.38	21.19	21.66
	12H	19.97	20.72	20.45	21.20	21.67	19.93	20.67	20.41	21.15	21.62
8H	4H	19.77	20.61	20.23	21.05	21.52	19.74	20.58	20.20	21.02	21.49
	6H	20.16	20.85	20.65	21.34	21.82	20.13	20.81	20.62	21.30	21.78
	8H	20.24	20.86	20.75	21.37	21.86	20.20	20.82	20.71	21.33	21.81
	12H	20.28	20.83	20.79	21.32	21.88	20.23	20.78	20.74	21.27	21.83
12H	4H	19.77	20.52	20.25	21.00	21.47	19.75	20.49	20.23	20.97	21.44
	6H	20.16	20.78	20.67	21.29	21.77	20.13	20.75	20.64	21.25	21.74
	8H	20.28	20.82	20.78	21.31	21.87	20.24	20.78	20.74	21.27	21.83