

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: P997295

Luminaire Tested: FSP-14-L3C3-CP125-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997295
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-CP125-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

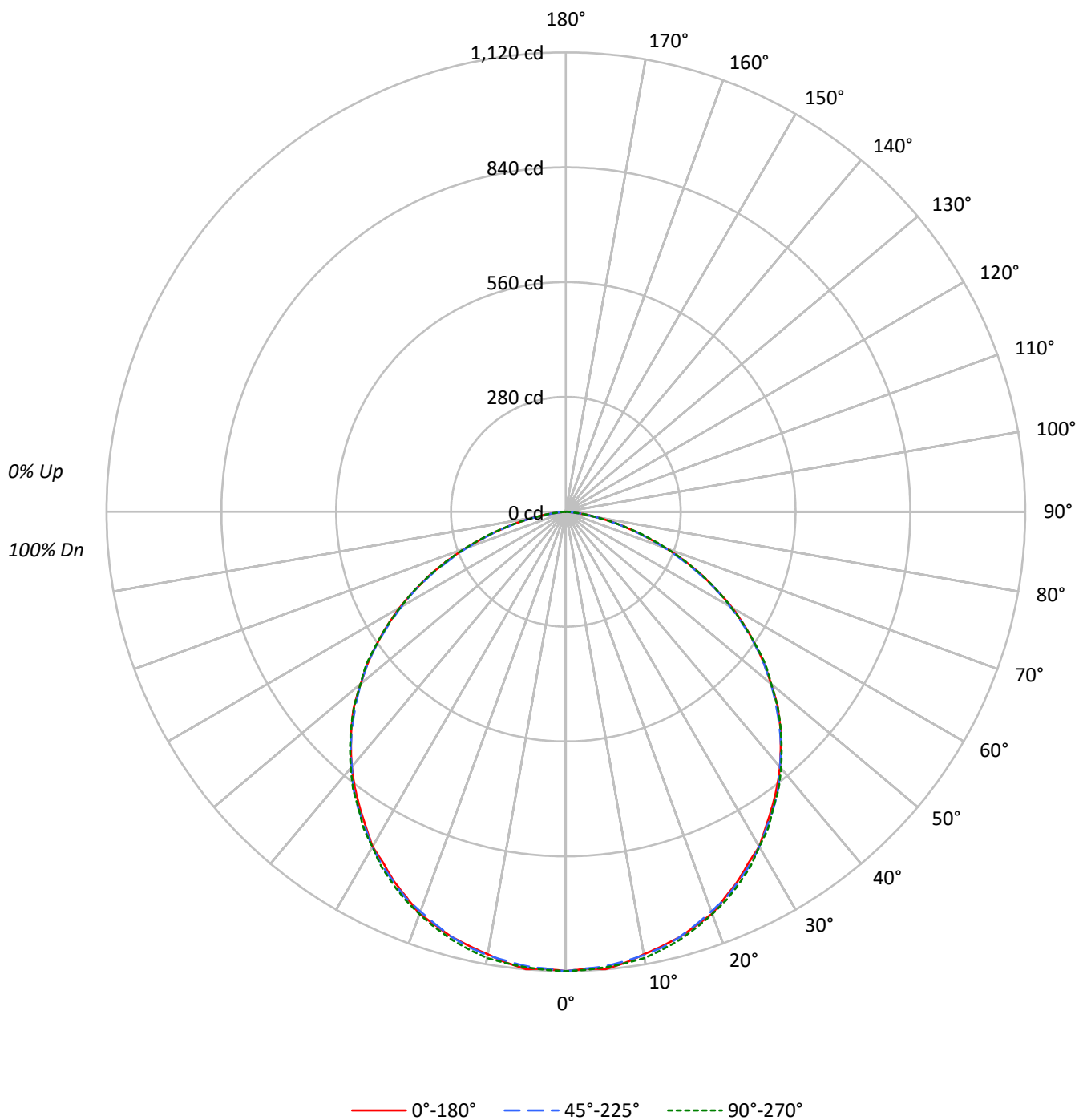
Lumens per Lamp: N/A
Luminaire Lumens: 3044.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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
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°	3893	3893	3893
5°	3904	3879	3890
10°	3866	3874	3899
15°	3861	3861	3883
20°	3857	3834	3860
25°	3808	3816	3835
30°	3781	3785	3785
35°	3721	3743	3738
40°	3684	3684	3702
45°	3632	3616	3637
50°	3528	3528	3533
55°	3411	3405	3418
60°	3257	3221	3236
65°	3009	2967	3009
70°	2633	2603	2665
75°	2156	2129	2183
80°	1525	1485	1525
85°	730	690	690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3637 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.5
10°-20°	303.3	10.0
20°-30°	459.0	15.1
30°-40°	551.2	18.1
40°-50°	567.9	18.7
50°-60°	501.5	16.5
60°-70°	357.5	11.7
70°-80°	170.5	5.6
80°-90°	27.2	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°	868.2	28.5
0°-40°	1419.4	46.6
0°-60°	2488.8	81.8
0°-90°	3044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3044.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1119	1115	1112	1115	1115	106
15°	1073	1073	1073	1074	1080	303
25°	993	991	995	1000	1000	458
35°	877	880	882	884	881	550
45°	739	736	736	739	740	569
55°	563	563	562	559	564	503
65°	366	363	361	357	366	361
75°	161	160	159	156	163	172
85°	18	17	17	17	17	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1120.2	1120.2	1120.2	1120.2	1120.2
2.5°	1115.1	1116.1	1115.1	1119.2	1118.1
5°	1119.2	1115.1	1112.1	1115.1	1115.1
7.5°	1109.0	1106.0	1104.9	1111.0	1110.0
10°	1095.8	1102.9	1097.8	1101.9	1104.9
12.5°	1084.6	1089.7	1087.7	1097.8	1092.7
15°	1073.4	1073.4	1073.4	1074.4	1079.5
17.5°	1057.2	1056.1	1055.1	1059.2	1062.2
20°	1042.9	1034.8	1036.8	1042.9	1043.9
22.5°	1016.5	1020.6	1019.5	1023.6	1023.6
25°	993.1	991.1	995.2	1000.2	1000.2
27.5°	964.7	967.7	970.8	972.8	974.8
30°	942.3	938.2	943.3	944.3	943.3
32.5°	908.8	907.7	911.8	916.9	916.9
35°	877.2	880.3	882.3	884.4	881.3
37.5°	845.7	844.7	850.8	849.8	851.8
40°	812.2	811.2	812.2	814.2	816.2
42.5°	775.6	772.5	776.6	777.6	778.6
45°	739.0	735.9	735.9	739.0	740.0
47.5°	700.4	694.3	694.3	695.3	699.4
50°	652.6	651.6	652.6	650.6	653.6
52.5°	609.9	608.9	608.9	606.9	614.0
55°	563.1	563.1	562.1	559.1	564.2
57.5°	516.4	515.4	512.3	512.3	515.4
60°	468.6	465.6	463.5	460.5	465.6
62.5°	415.7	415.7	414.7	408.6	416.8
65°	365.9	362.9	360.9	356.8	365.9
67.5°	314.1	311.0	307.0	306.0	314.1
70°	259.2	260.2	256.2	253.1	262.3
72.5°	207.4	211.4	205.3	204.3	211.4
75°	160.6	159.6	158.6	156.5	162.6
77.5°	115.9	114.9	113.8	111.8	117.9
80°	76.2	76.2	74.2	73.2	76.2
82.5°	42.7	41.7	40.7	41.7	43.7
85°	18.3	17.3	17.3	17.3	17.3
87.5°	4.1	4.1	3.0	3.0	3.0
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	16.47	18.08	16.83	18.39	18.71	16.43	18.04	16.79	18.35	18.67
	3H	18.01	19.46	18.39	19.79	20.15	17.97	19.42	18.34	19.74	20.10
	4H	18.48	19.84	18.87	20.19	20.56	18.44	19.80	18.84	20.15	20.53
	6H	18.72	19.98	19.13	20.35	20.74	18.68	19.95	19.10	20.31	20.70
	8H	18.76	19.96	19.18	20.35	20.75	18.72	19.93	19.15	20.32	20.71
	12H	18.76	19.91	19.19	20.29	20.72	18.72	19.88	19.15	20.26	20.69
4H	2H	17.03	18.40	17.43	18.74	19.12	17.00	18.36	17.40	18.71	19.09
	3H	18.76	19.90	19.17	20.30	20.70	18.71	19.85	19.12	20.25	20.65
	4H	19.32	20.34	19.75	20.76	21.19	19.27	20.29	19.70	20.71	21.14
	6H	19.65	20.54	20.10	20.98	21.44	19.60	20.49	20.05	20.93	21.38
	8H	19.70	20.53	20.16	20.97	21.44	19.65	20.48	20.11	20.93	21.39
	12H	19.72	20.46	20.20	20.94	21.41	19.67	20.41	20.15	20.89	21.36
8H	4H	19.51	20.34	19.97	20.79	21.25	19.47	20.30	19.93	20.74	21.21
	6H	19.90	20.58	20.39	21.07	21.55	19.85	20.53	20.34	21.02	21.50
	8H	19.97	20.59	20.49	21.10	21.58	19.93	20.54	20.44	21.05	21.54
	12H	20.01	20.55	20.52	21.04	21.61	19.96	20.51	20.47	21.00	21.56
12H	4H	19.51	20.26	19.99	20.73	21.20	19.47	20.21	19.95	20.69	21.16
	6H	19.89	20.51	20.40	21.02	21.50	19.85	20.46	20.36	20.97	21.46
	8H	20.01	20.55	20.51	21.04	21.60	19.96	20.50	20.47	20.99	21.56

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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