

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: P997286

Luminaire Tested: FSP-14-L3C3-CA125-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997286
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-CA125-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

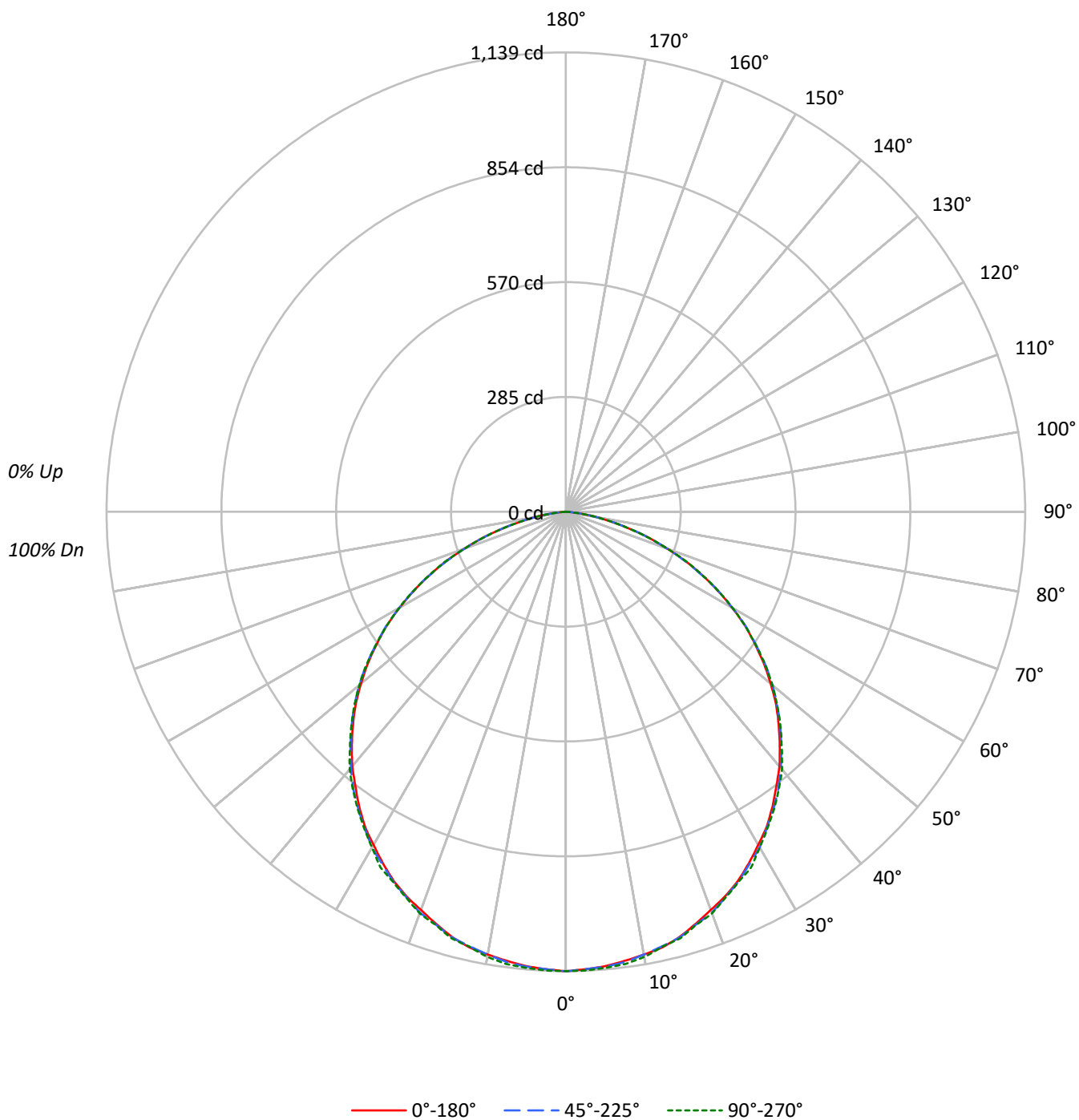
Lumens per Lamp: N/A
Luminaire Lumens: 3113.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	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°	3958	3958	3958
5°	3945	3949	3959
10°	3933	3933	3955
15°	3926	3929	3940
20°	3885	3911	3919
25°	3872	3880	3884
30°	3828	3856	3856
35°	3788	3809	3818
40°	3737	3760	3783
45°	3668	3694	3698
50°	3585	3618	3612
55°	3469	3487	3481
60°	3308	3315	3322
65°	3078	3069	3086
70°	2718	2728	2728
75°	2226	2239	2213
80°	1587	1547	1547
85°	730	730	690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3698 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	3.5
10°-20°	308.1	9.9
20°-30°	466.3	15.0
30°-40°	561.6	18.0
40°-50°	579.2	18.6
50°-60°	514.2	16.5
60°-70°	369.8	11.9
70°-80°	177.9	5.7
80°-90°	28.3	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°	882.0	28.3
0°-40°	1443.6	46.4
0°-60°	2537.0	81.5
0°-90°	3113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1139	1139	1139	1139	1139	
5°	1131	1134	1132	1131	1135	107
15°	1091	1094	1092	1090	1095	307
25°	1010	1013	1012	1013	1013	465
35°	893	895	898	900	900	558
45°	746	752	752	753	753	576
55°	573	579	576	581	575	512
65°	374	374	373	374	375	370
75°	166	168	167	165	165	178
85°	18	18	18	17	17	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1139.1	1139.1	1139.1	1139.1	1139.1
2.5°	1135.0	1139.1	1135.0	1134.0	1138.1
5°	1130.9	1134.0	1132.0	1130.9	1135.0
7.5°	1122.8	1127.9	1125.9	1124.8	1130.9
10°	1114.7	1118.7	1114.7	1117.7	1120.8
12.5°	1106.5	1109.6	1103.5	1107.5	1104.5
15°	1091.3	1094.3	1092.3	1090.3	1095.3
17.5°	1070.9	1076.0	1073.0	1076.0	1074.0
20°	1050.6	1054.7	1057.7	1055.7	1059.7
22.5°	1032.3	1034.3	1034.3	1036.4	1035.3
25°	1009.9	1013.0	1011.9	1013.0	1013.0
27.5°	982.5	984.5	985.5	987.5	994.7
30°	954.0	958.0	961.1	962.1	961.1
32.5°	926.5	928.6	928.6	932.6	930.6
35°	893.0	895.0	898.0	900.1	900.1
37.5°	857.4	860.4	865.5	867.5	867.5
40°	823.8	826.8	828.9	836.0	834.0
42.5°	785.2	791.3	790.2	791.3	792.3
45°	746.5	751.6	751.6	752.6	752.6
47.5°	706.8	710.9	710.9	710.9	710.9
50°	663.1	665.1	669.2	666.2	668.2
52.5°	619.4	623.4	623.4	621.4	623.4
55°	572.6	578.7	575.6	580.7	574.6
57.5°	527.8	528.9	528.9	527.8	526.8
60°	476.0	480.0	477.0	475.0	478.0
62.5°	425.1	427.2	427.2	426.1	427.2
65°	374.3	374.3	373.3	374.3	375.3
67.5°	323.4	323.4	320.4	318.3	324.4
70°	267.5	270.5	268.5	268.5	268.5
72.5°	217.6	215.6	216.6	214.6	215.6
75°	165.8	167.8	166.8	164.8	164.8
77.5°	119.0	122.0	120.0	119.0	120.0
80°	79.3	78.3	77.3	77.3	77.3
82.5°	45.8	43.7	43.7	42.7	42.7
85°	18.3	18.3	18.3	17.3	17.3
87.5°	4.1	4.1	4.1	3.1	4.1
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	16.56	18.18	16.93	18.49	18.81	16.54	18.16	16.91	18.47	18.79
	3H	18.13	19.58	18.51	19.91	20.27	18.11	19.56	18.48	19.89	20.25
	4H	18.60	19.97	19.00	20.32	20.69	18.57	19.94	18.97	20.29	20.67
	6H	18.85	20.12	19.26	20.48	20.87	18.82	20.09	19.23	20.45	20.84
	8H	18.89	20.10	19.31	20.49	20.89	18.85	20.06	19.28	20.45	20.85
	12H	18.89	20.05	19.32	20.43	20.86	18.85	20.01	19.28	20.39	20.82
4H	2H	17.14	18.50	17.53	18.85	19.23	17.12	18.49	17.52	18.84	19.21
	3H	18.89	20.03	19.30	20.43	20.83	18.87	20.01	19.28	20.41	20.81
	4H	19.46	20.49	19.90	20.91	21.34	19.43	20.46	19.86	20.87	21.31
	6H	19.80	20.69	20.25	21.13	21.59	19.76	20.65	20.21	21.09	21.55
	8H	19.85	20.69	20.31	21.13	21.60	19.81	20.64	20.27	21.09	21.55
	12H	19.87	20.62	20.35	21.09	21.56	19.82	20.57	20.30	21.05	21.52
8H	4H	19.67	20.50	20.13	20.95	21.41	19.64	20.47	20.10	20.92	21.38
	6H	20.06	20.75	20.55	21.23	21.71	20.02	20.71	20.52	21.20	21.68
	8H	20.14	20.76	20.65	21.26	21.75	20.10	20.71	20.61	21.22	21.71
	12H	20.18	20.72	20.68	21.21	21.77	20.13	20.67	20.64	21.16	21.73
12H	4H	19.67	20.42	20.15	20.89	21.36	19.64	20.39	20.12	20.87	21.33
	6H	20.06	20.68	20.57	21.18	21.67	20.02	20.64	20.53	21.15	21.63
	8H	20.17	20.72	20.68	21.21	21.77	20.13	20.68	20.64	21.17	21.73