

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: P997294

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997294
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-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

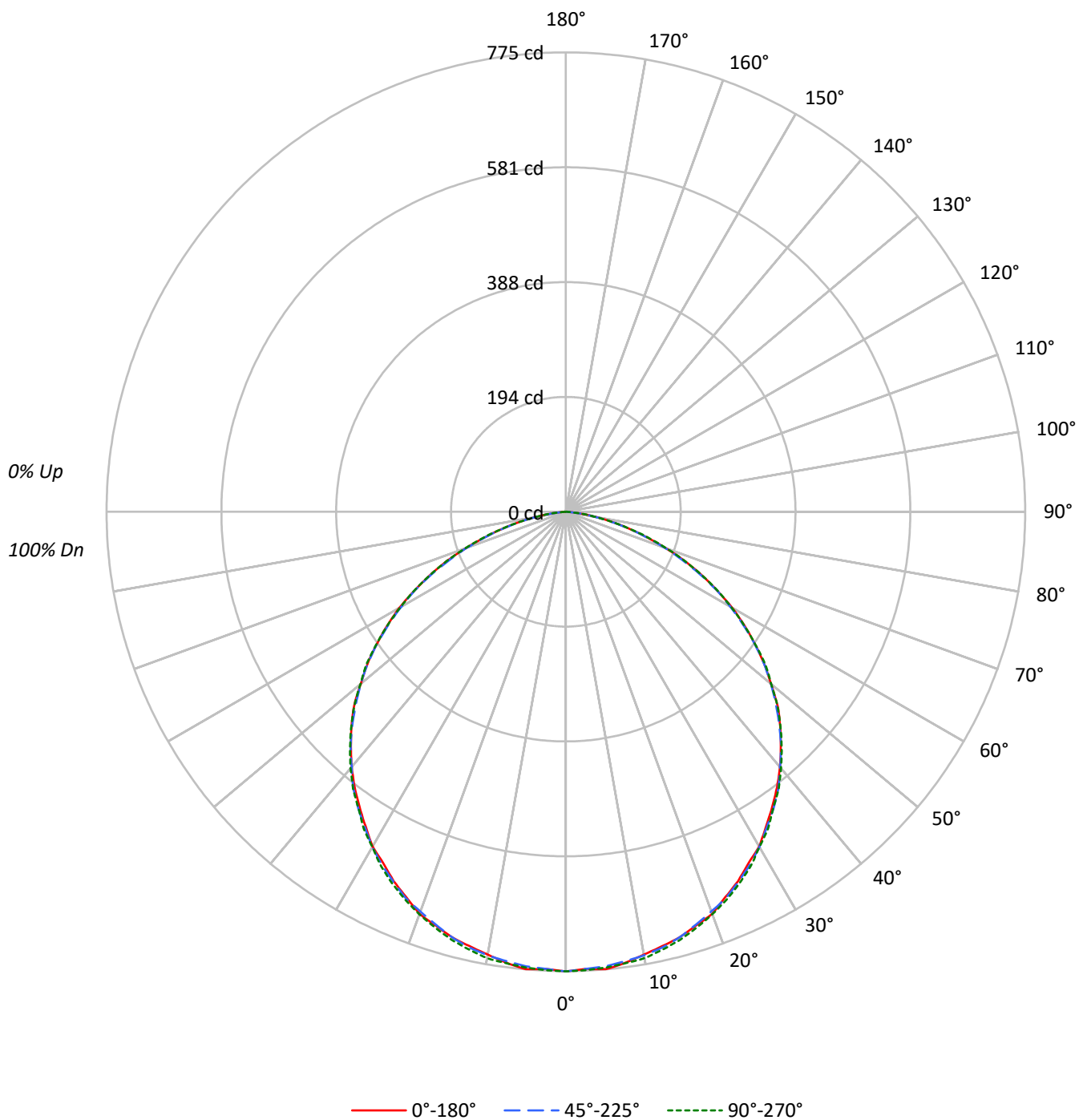
Lumens per Lamp: N/A
Luminaire Lumens: 2107.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 18.7
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°	2694	2694	2694
5°	2702	2685	2692
10°	2676	2681	2699
15°	2673	2673	2688
20°	2669	2654	2672
25°	2636	2641	2654
30°	2617	2620	2620
35°	2576	2591	2588
40°	2550	2550	2563
45°	2514	2503	2517
50°	2442	2442	2446
55°	2361	2357	2366
60°	2254	2229	2239
65°	2083	2054	2083
70°	1823	1801	1844
75°	1493	1474	1512
80°	1057	1029	1057
85°	506	478	478

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2517 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	3.5
10°-20°	210.0	10.0
20°-30°	317.7	15.1
30°-40°	381.5	18.1
40°-50°	393.1	18.7
50°-60°	347.1	16.5
60°-70°	247.4	11.7
70°-80°	118.0	5.6
80°-90°	18.8	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°	600.9	28.5
0°-40°	982.5	46.6
0°-60°	1722.7	81.8
0°-90°	2107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2107.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	775	775	775	775	775	
5°	775	772	770	772	772	73
15°	743	743	743	744	747	210
25°	687	686	689	692	692	317
35°	607	609	611	612	610	380
45°	512	509	509	512	512	394
55°	390	390	389	387	390	348
65°	253	251	250	247	253	250
75°	111	110	110	108	113	119
85°	13	12	12	12	12	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.4	775.4	775.4	775.4	775.4
2.5°	771.9	772.6	771.9	774.7	774.0
5°	774.7	771.9	769.7	771.9	771.9
7.5°	767.6	765.5	764.8	769.0	768.3
10°	758.5	763.4	759.9	762.7	764.8
12.5°	750.7	754.3	752.9	759.9	756.4
15°	743.0	743.0	743.0	743.7	747.2
17.5°	731.7	731.0	730.3	733.2	735.3
20°	721.9	716.3	717.7	721.9	722.6
22.5°	703.6	706.4	705.7	708.5	708.5
25°	687.4	686.0	688.8	692.3	692.3
27.5°	667.7	669.8	671.9	673.3	674.8
30°	652.2	649.4	652.9	653.6	652.9
32.5°	629.0	628.3	631.1	634.6	634.6
35°	607.2	609.3	610.7	612.1	610.0
37.5°	585.4	584.7	588.9	588.2	589.6
40°	562.2	561.5	562.2	563.6	565.0
42.5°	536.8	534.7	537.6	538.3	539.0
45°	511.5	509.4	509.4	511.5	512.2
47.5°	484.8	480.6	480.6	481.3	484.1
50°	451.7	451.0	451.7	450.3	452.4
52.5°	422.2	421.5	421.5	420.1	425.0
55°	389.8	389.8	389.1	387.0	390.5
57.5°	357.4	356.7	354.6	354.6	356.7
60°	324.4	322.2	320.8	318.7	322.2
62.5°	287.8	287.8	287.1	282.8	288.5
65°	253.3	251.2	249.8	247.0	253.3
67.5°	217.4	215.3	212.5	211.8	217.4
70°	179.4	180.1	177.3	175.2	181.5
72.5°	143.5	146.3	142.1	141.4	146.3
75°	111.2	110.5	109.8	108.4	112.6
77.5°	80.2	79.5	78.8	77.4	81.6
80°	52.8	52.8	51.4	50.7	52.8
82.5°	29.6	28.8	28.1	28.8	30.3
85°	12.7	12.0	12.0	12.0	12.0
87.5°	2.8	2.8	2.1	2.1	2.1
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	15.19	16.80	15.55	17.11	17.43	15.15	16.76	15.52	17.08	17.39
	3H	16.73	18.18	17.11	18.51	18.87	16.69	18.14	17.06	18.47	18.83
	4H	17.20	18.56	17.60	18.91	19.29	17.16	18.52	17.56	18.87	19.25
	6H	17.44	18.70	17.85	19.07	19.46	17.41	18.67	17.82	19.03	19.42
	8H	17.48	18.68	17.90	19.07	19.47	17.44	18.65	17.87	19.04	19.44
	12H	17.48	18.63	17.91	19.01	19.44	17.45	18.60	17.88	18.98	19.41
4H	2H	15.75	17.12	16.15	17.46	17.84	15.72	17.09	16.12	17.43	17.81
	3H	17.48	18.62	17.89	19.02	19.42	17.43	18.57	17.84	18.97	19.37
	4H	18.04	19.07	18.47	19.48	19.92	17.99	19.02	18.42	19.43	19.87
	6H	18.37	19.26	18.82	19.70	20.16	18.32	19.21	18.77	19.65	20.11
	8H	18.42	19.25	18.88	19.70	20.16	18.37	19.21	18.83	19.65	20.11
	12H	18.44	19.18	18.92	19.66	20.13	18.39	19.13	18.87	19.61	20.08
8H	4H	18.23	19.06	18.69	19.51	19.97	18.19	19.02	18.65	19.46	19.93
	6H	18.62	19.30	19.11	19.79	20.27	18.57	19.26	19.06	19.74	20.22
	8H	18.70	19.31	19.21	19.82	20.31	18.65	19.26	19.16	19.77	20.26
	12H	18.73	19.27	19.24	19.77	20.33	18.69	19.23	19.19	19.72	20.28
12H	4H	18.23	18.98	18.71	19.46	19.93	18.19	18.94	18.67	19.41	19.88
	6H	18.62	19.23	19.13	19.74	20.23	18.57	19.19	19.08	19.69	20.18
	8H	18.73	19.27	19.23	19.76	20.32	18.68	19.22	19.19	19.72	20.28