

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: P997312

Luminaire Tested: FSP-14-L3C3-CP250-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP250-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

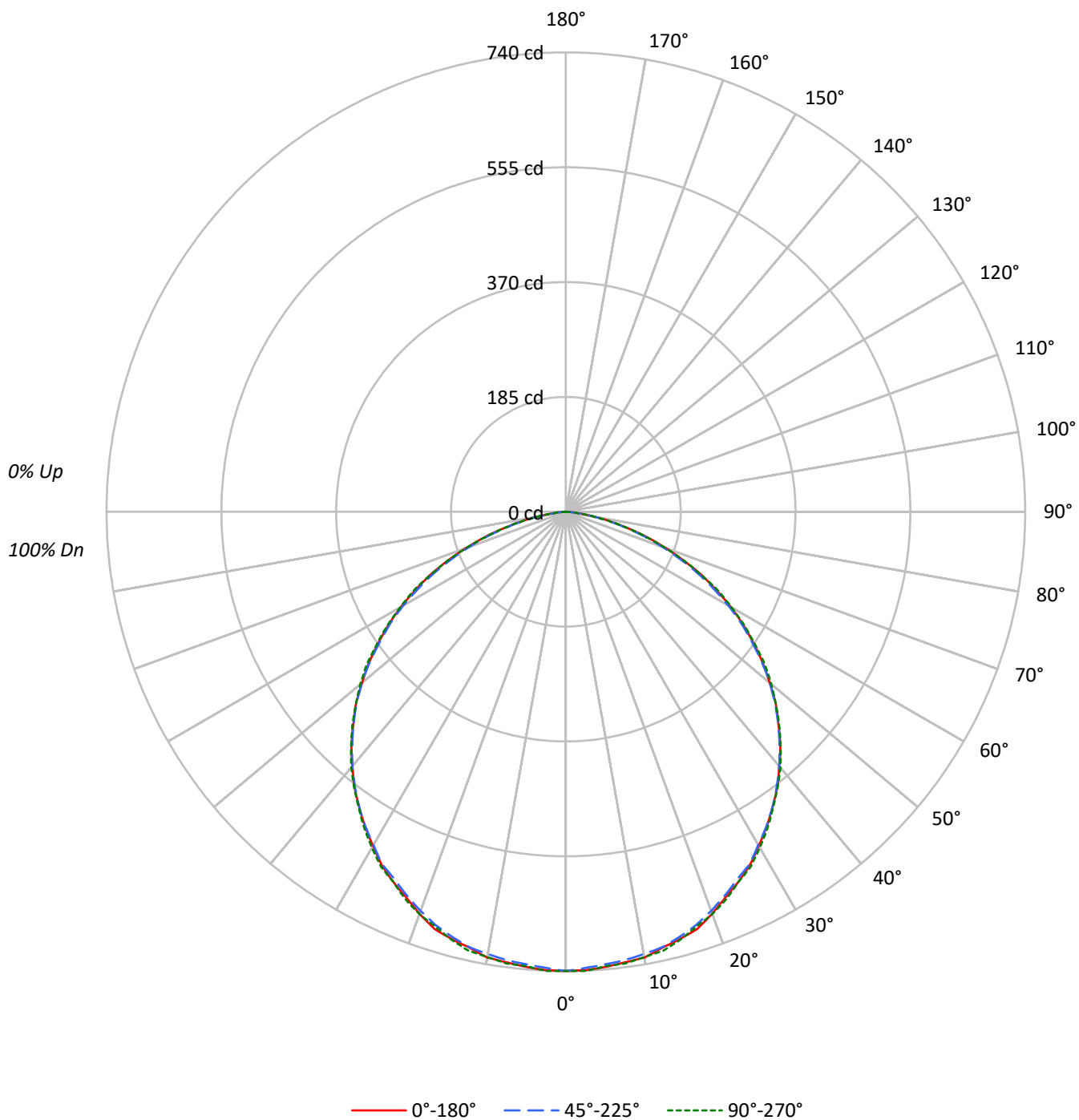
Lumens per Lamp: N/A
Luminaire Lumens: 2002.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	35	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°	2570	2570	2570
5°	2568	2553	2563
10°	2573	2553	2570
15°	2562	2550	2567
20°	2548	2530	2550
25°	2523	2504	2523
30°	2493	2488	2507
35°	2463	2463	2469
40°	2426	2426	2439
45°	2379	2376	2390
50°	2317	2317	2336
55°	2234	2217	2251
60°	2132	2103	2142
65°	1985	1927	1979
70°	1744	1688	1730
75°	1408	1351	1408
80°	973	945	973
85°	423	423	423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2393 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	3.5
10°-20°	200.4	10.0
20°-30°	302.6	15.1
30°-40°	363.4	18.1
40°-50°	373.6	18.7
50°-60°	329.6	16.5
60°-70°	234.6	11.7
70°-80°	110.8	5.5
80°-90°	17.0	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°	572.9	28.6
0°-40°	936.3	46.8
0°-60°	1639.6	81.9
0°-90°	2002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	740	740	740	740	740	
5°	736	735	732	738	735	70
15°	712	709	709	712	714	201
25°	658	654	653	657	658	303
35°	581	578	581	583	582	363
45°	484	483	484	487	486	374
55°	369	370	366	370	372	330
65°	241	238	234	238	241	237
75°	105	104	101	103	105	113
85°	11	11	11	11	11	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	739.7	739.7	739.7	739.7	739.7
2.5°	739.0	737.5	735.4	738.2	740.4
5°	736.1	735.4	731.9	737.5	734.7
7.5°	731.9	733.3	728.4	731.9	734.0
10°	729.1	724.9	723.5	726.3	728.4
12.5°	719.2	719.2	718.5	719.2	724.2
15°	712.2	709.4	708.7	711.5	713.6
17.5°	704.5	698.8	698.1	700.2	700.2
20°	689.0	684.1	684.1	687.6	689.7
22.5°	672.1	671.4	669.3	675.6	675.6
25°	658.0	653.8	653.1	657.3	658.0
27.5°	641.8	638.3	640.4	640.4	644.6
30°	621.4	620.0	620.0	623.5	624.9
32.5°	601.7	600.3	601.0	603.1	604.5
35°	580.6	577.8	580.6	583.4	582.0
37.5°	559.5	558.1	558.1	560.2	560.2
40°	534.9	532.7	534.9	538.4	537.7
42.5°	511.6	508.8	509.5	513.0	512.3
45°	484.2	482.8	483.5	487.0	486.3
47.5°	458.9	456.7	457.4	457.4	458.9
50°	428.6	428.6	428.6	430.7	432.1
52.5°	399.7	399.0	398.3	401.8	404.0
55°	368.8	369.5	366.0	370.2	371.6
57.5°	338.5	338.5	335.7	337.8	341.3
60°	306.8	304.7	302.6	305.4	308.2
62.5°	273.1	271.7	268.1	270.2	278.0
65°	241.4	237.9	234.4	237.9	240.7
67.5°	206.2	203.4	199.2	202.7	206.2
70°	171.7	169.6	166.1	168.2	170.3
72.5°	138.6	135.1	132.3	135.1	136.5
75°	104.9	104.2	100.6	102.7	104.9
77.5°	75.3	73.9	71.8	75.3	75.3
80°	48.6	48.6	47.2	47.9	48.6
82.5°	27.4	26.0	25.3	26.7	26.0
85°	10.6	11.3	10.6	10.6	10.6
87.5°	2.1	1.4	2.1	1.4	1.4
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	15.00	16.61	15.37	16.93	17.24	15.00	16.61	15.37	16.93	17.24
	3H	16.54	17.99	16.92	18.32	18.68	16.53	17.98	16.91	18.31	18.67
	4H	17.01	18.37	17.40	18.71	19.09	16.99	18.35	17.39	18.70	19.07
	6H	17.24	18.50	17.65	18.86	19.25	17.23	18.48	17.64	18.85	19.24
	8H	17.27	18.47	17.70	18.86	19.26	17.26	18.46	17.68	18.85	19.25
	12H	17.27	18.42	17.70	18.80	19.23	17.25	18.40	17.68	18.78	19.21
4H	2H	15.55	16.91	15.95	17.26	17.64	15.55	16.91	15.95	17.26	17.64
	3H	17.27	18.41	17.68	18.81	19.21	17.26	18.40	17.67	18.79	19.19
	4H	17.83	18.85	18.26	19.27	19.70	17.81	18.83	18.24	19.25	19.68
	6H	18.14	19.03	18.60	19.47	19.93	18.13	19.02	18.58	19.46	19.92
	8H	18.19	19.02	18.65	19.47	19.93	18.18	19.01	18.64	19.45	19.91
	12H	18.21	18.95	18.69	19.42	19.89	18.19	18.93	18.67	19.41	19.88
8H	4H	18.01	18.84	18.47	19.28	19.75	18.00	18.83	18.46	19.27	19.73
	6H	18.38	19.07	18.88	19.56	20.03	18.37	19.05	18.86	19.54	20.02
	8H	18.45	19.07	18.96	19.57	20.06	18.44	19.05	18.95	19.56	20.05
	12H	18.48	19.02	18.99	19.52	20.08	18.47	19.01	18.97	19.50	20.06
12H	4H	18.01	18.76	18.49	19.23	19.70	18.00	18.74	18.48	19.22	19.69
	6H	18.38	18.99	18.89	19.50	19.99	18.36	18.98	18.88	19.49	19.97
	8H	18.48	19.02	18.99	19.51	20.08	18.47	19.01	18.98	19.50	20.06