

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: P997318

Luminaire Tested: FSP-14-L3C3-CP375-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-19)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP375-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

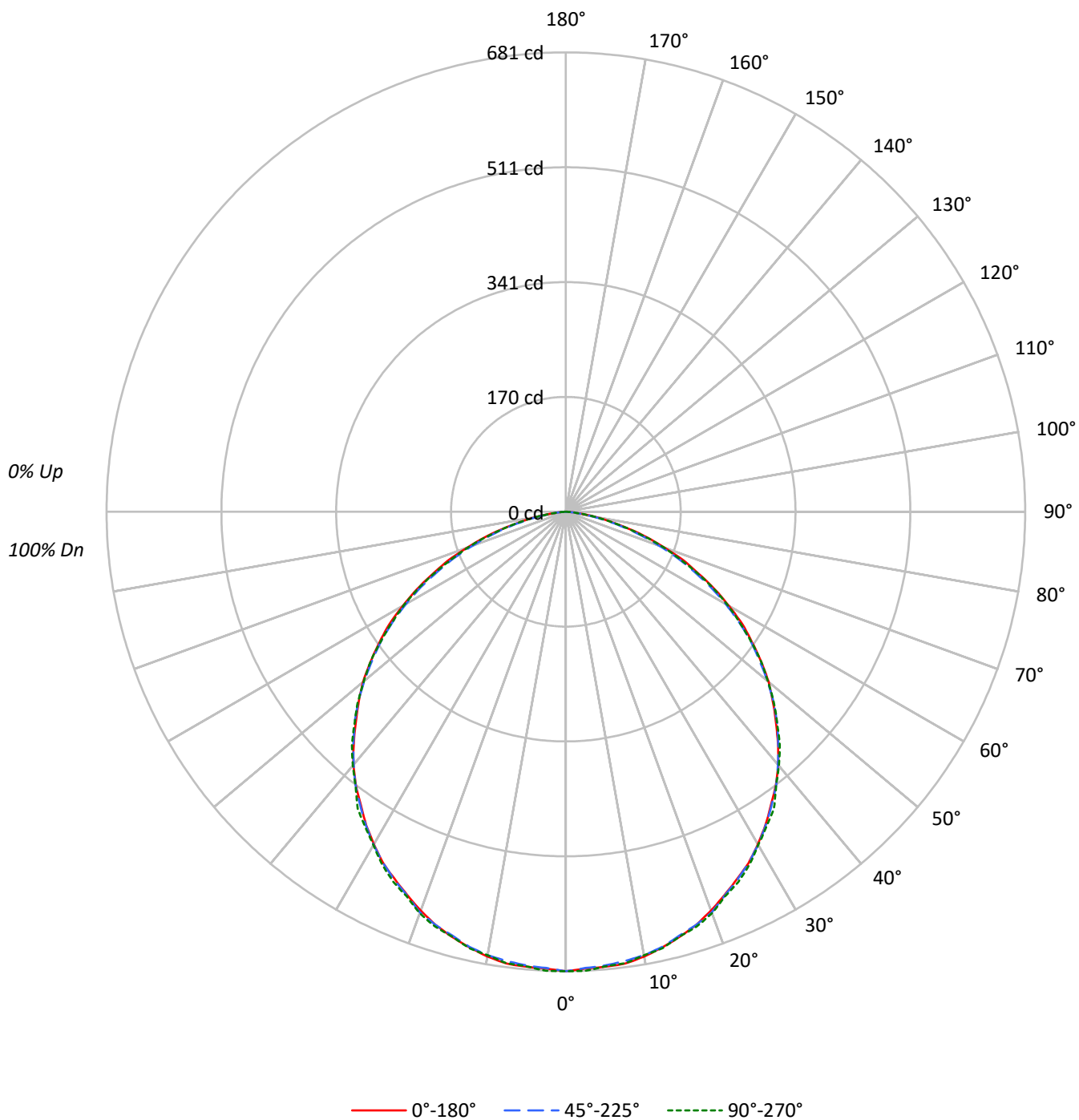
Lumens per Lamp: N/A
Luminaire Lumens: 1822.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	99	96	93		95	92	90		91
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47
8	61	48	40	34	60	47	39	34	46	39	33		45	38	33		44
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2367	2367	2367
5°	2361	2354	2359
10°	2362	2355	2355
15°	2347	2340	2345
20°	2327	2337	2342
25°	2303	2308	2321
30°	2284	2287	2289
35°	2250	2255	2281
40°	2223	2220	2229
45°	2163	2176	2176
50°	2121	2107	2114
55°	2042	2026	2030
60°	1940	1902	1926
65°	1784	1723	1762
70°	1581	1490	1561
75°	1274	1200	1265
80°	900	818	874
85°	383	355	407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2176 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	3.5
10°-20°	184.3	10.1
20°-30°	277.9	15.3
30°-40°	332.8	18.3
40°-50°	340.8	18.7
50°-60°	298.4	16.4
60°-70°	210.1	11.5
70°-80°	98.4	5.4
80°-90°	15.1	0.8
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°	526.5	28.9
0°-40°	859.3	47.2
0°-60°	1498.5	82.2
0°-90°	1822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	677	678	675	680	676	64
15°	652	653	650	655	652	184
25°	601	603	602	605	605	277
35°	530	530	532	534	538	332
45°	440	440	443	443	443	340
55°	337	334	334	334	335	301
65°	217	213	210	209	214	216
75°	95	93	89	89	94	103
85°	10	10	9	9	10	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	681.1	681.1	681.1	681.1	681.1
2.5°	677.7	681.1	677.0	681.1	681.1
5°	677.0	677.7	675.0	679.7	676.3
7.5°	675.6	675.0	671.6	675.6	675.0
10°	669.5	669.5	667.5	670.2	667.5
12.5°	661.3	662.0	660.6	663.4	662.7
15°	652.4	653.1	650.4	655.2	651.8
17.5°	642.2	642.2	642.2	643.6	644.9
20°	629.2	629.9	632.0	633.3	633.3
22.5°	614.9	614.9	615.6	617.6	617.0
25°	600.6	603.3	601.9	605.4	605.4
27.5°	586.9	587.6	586.9	589.7	589.7
30°	569.2	567.1	569.9	571.9	570.5
32.5°	550.8	548.7	551.4	554.2	553.5
35°	530.3	530.3	531.6	533.7	537.8
37.5°	511.2	509.8	511.9	513.2	511.9
40°	490.0	488.0	489.3	488.7	491.4
42.5°	465.4	465.4	466.1	466.8	469.5
45°	440.2	439.5	442.9	442.9	442.9
47.5°	416.3	417.0	417.7	418.4	418.4
50°	392.4	389.7	389.7	389.7	391.1
52.5°	365.1	362.4	361.7	361.0	365.1
55°	337.1	334.4	334.4	334.4	335.1
57.5°	310.5	305.1	304.4	302.3	305.7
60°	279.1	275.0	273.7	271.6	277.1
62.5°	249.1	245.0	242.3	240.9	247.1
65°	217.0	212.9	209.5	208.8	214.3
67.5°	189.7	182.2	179.5	178.8	182.9
70°	155.6	150.8	146.7	148.1	153.6
72.5°	126.9	121.5	118.1	118.1	123.5
75°	94.9	92.8	89.4	89.4	94.2
77.5°	68.2	66.2	62.8	64.2	66.9
80°	45.0	42.3	40.9	40.9	43.7
82.5°	25.3	23.2	22.5	22.5	23.9
85°	9.6	9.6	8.9	8.9	10.2
87.5°	2.0	2.0	2.0	1.4	2.0
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	14.64	16.24	15.00	16.55	16.87	14.56	16.17	14.93	16.48	16.80
	3H	16.18	17.62	16.55	17.95	18.31	16.07	17.51	16.45	17.84	18.20
	4H	16.64	17.99	17.04	18.34	18.72	16.53	17.88	16.92	18.23	18.61
	6H	16.87	18.13	17.28	18.49	18.88	16.76	18.01	17.17	18.37	18.77
	8H	16.91	18.10	17.33	18.49	18.89	16.79	17.98	17.21	18.37	18.77
	12H	16.91	18.05	17.34	18.43	18.86	16.79	17.93	17.22	18.31	18.74
4H	2H	15.17	16.53	15.57	16.87	17.25	15.11	16.47	15.51	16.82	17.19
	3H	16.89	18.01	17.30	18.41	18.81	16.79	17.92	17.20	18.32	18.72
	4H	17.44	18.46	17.87	18.87	19.31	17.33	18.35	17.76	18.76	19.20
	6H	17.75	18.64	18.21	19.08	19.54	17.64	18.52	18.09	18.96	19.42
	8H	17.80	18.63	18.26	19.07	19.54	17.68	18.51	18.15	18.95	19.42
	12H	17.81	18.55	18.30	19.03	19.50	17.70	18.43	18.18	18.91	19.38
8H	4H	17.61	18.44	18.07	18.88	19.34	17.51	18.34	17.97	18.78	19.25
	6H	17.97	18.65	18.47	19.14	19.62	17.87	18.55	18.36	19.04	19.51
	8H	18.05	18.66	18.56	19.16	19.65	17.93	18.54	18.44	19.05	19.54
	12H	18.08	18.61	18.58	19.11	19.67	17.96	18.50	18.47	18.99	19.55
12H	4H	17.61	18.35	18.09	18.82	19.29	17.51	18.25	17.99	18.73	19.20
	6H	17.97	18.58	18.48	19.09	19.57	17.86	18.47	18.37	18.98	19.47
	8H	18.07	18.61	18.58	19.10	19.66	17.96	18.50	18.47	18.99	19.55