

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: P997324

Luminaire Tested: FSP-14-L3C3-CP375-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997324
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-CP375-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

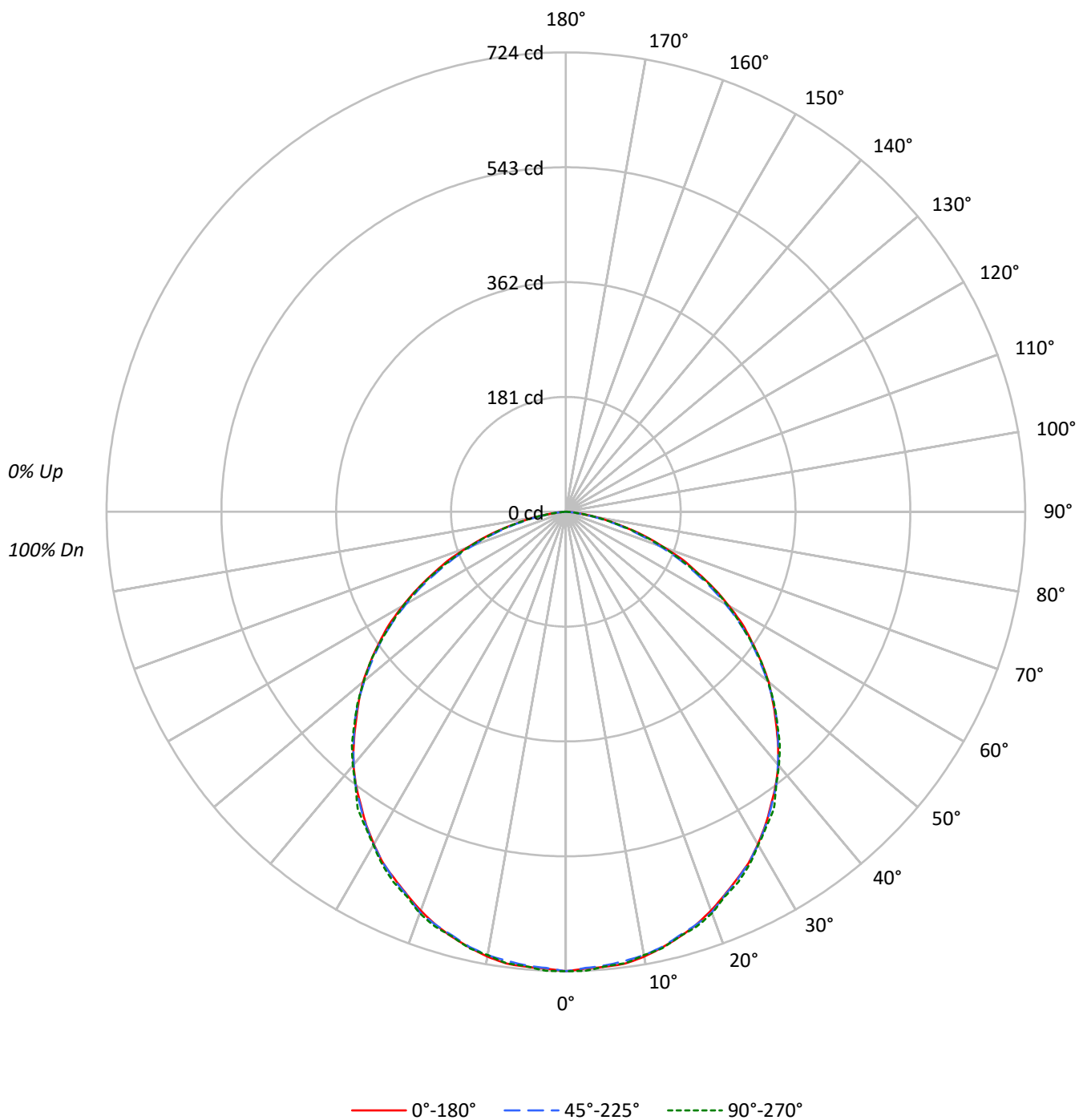
Lumens per Lamp: N/A
Luminaire Lumens: 1937.0 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	2516	2516	2516
5°	2510	2503	2508
10°	2512	2504	2504
15°	2495	2487	2493
20°	2474	2485	2490
25°	2448	2453	2468
30°	2428	2431	2434
35°	2392	2398	2425
40°	2363	2360	2370
45°	2300	2314	2314
50°	2255	2240	2247
55°	2171	2154	2158
60°	2062	2022	2047
65°	1897	1831	1873
70°	1680	1585	1658
75°	1355	1275	1344
80°	959	870	929
85°	407	375	435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	3.5
10°-20°	195.9	10.1
20°-30°	295.4	15.3
30°-40°	353.8	18.3
40°-50°	362.3	18.7
50°-60°	317.2	16.4
60°-70°	223.4	11.5
70°-80°	104.6	5.4
80°-90°	16.0	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°	559.8	28.9
0°-40°	913.5	47.2
0°-60°	1593.0	82.2
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	724	724	724	724	724	
5°	720	720	718	723	719	69
15°	694	694	691	696	693	196
25°	638	641	640	644	644	295
35°	564	564	565	567	572	353
45°	468	467	471	471	471	362
55°	358	356	356	356	356	321
65°	231	226	223	222	228	230
75°	101	99	95	95	100	109
85°	10	10	9	9	11	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	724.1	724.1	724.1	724.1	724.1
2.5°	720.5	724.1	719.7	724.1	724.1
5°	719.7	720.5	717.6	722.6	719.0
7.5°	718.3	717.6	713.9	718.3	717.6
10°	711.8	711.8	709.6	712.5	709.6
12.5°	703.1	703.8	702.3	705.2	704.5
15°	693.6	694.3	691.4	696.5	692.9
17.5°	682.7	682.7	682.7	684.2	685.6
20°	669.0	669.7	671.9	673.3	673.3
22.5°	653.7	653.7	654.4	656.6	655.9
25°	638.5	641.4	639.9	643.6	643.6
27.5°	624.0	624.7	624.0	626.9	626.9
30°	605.1	602.9	605.8	608.0	606.6
32.5°	585.5	583.3	586.2	589.1	588.4
35°	563.8	563.8	565.2	567.4	571.7
37.5°	543.4	542.0	544.2	545.6	544.2
40°	520.9	518.8	520.2	519.5	522.4
42.5°	494.8	494.8	495.5	496.3	499.2
45°	468.0	467.3	470.9	470.9	470.9
47.5°	442.6	443.3	444.0	444.8	444.8
50°	417.2	414.3	414.3	414.3	415.7
52.5°	388.2	385.3	384.5	383.8	388.2
55°	358.4	355.5	355.5	355.5	356.2
57.5°	330.1	324.3	323.6	321.4	325.0
60°	296.7	292.4	290.9	288.8	294.6
62.5°	264.8	260.5	257.6	256.1	262.6
65°	230.7	226.4	222.7	222.0	227.8
67.5°	201.7	193.7	190.8	190.1	194.4
70°	165.4	160.3	156.0	157.4	163.2
72.5°	135.0	129.1	125.5	125.5	131.3
75°	100.9	98.7	95.0	95.0	100.1
77.5°	72.6	70.4	66.8	68.2	71.1
80°	47.9	45.0	43.5	43.5	46.4
82.5°	26.8	24.7	23.9	23.9	25.4
85°	10.2	10.2	9.4	9.4	10.9
87.5°	2.2	2.2	2.2	1.5	2.2
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	14.85	16.45	15.21	16.77	17.08	14.78	16.38	15.14	16.69	17.01
	3H	16.39	17.83	16.77	18.16	18.52	16.28	17.73	16.66	18.05	18.41
	4H	16.85	18.21	17.25	18.55	18.93	16.74	18.09	17.14	18.44	18.82
	6H	17.09	18.34	17.50	18.70	19.10	16.97	18.22	17.38	18.59	18.98
	8H	17.12	18.32	17.54	18.70	19.10	17.00	18.19	17.42	18.58	18.98
	12H	17.12	18.26	17.55	18.64	19.07	17.00	18.14	17.43	18.52	18.95
4H	2H	15.38	16.74	15.78	17.09	17.46	15.32	16.68	15.72	17.03	17.40
	3H	17.10	18.23	17.51	18.63	19.03	17.01	18.13	17.42	18.53	18.93
	4H	17.65	18.67	18.08	19.08	19.52	17.54	18.56	17.98	18.97	19.41
	6H	17.97	18.85	18.42	19.29	19.75	17.85	18.73	18.30	19.17	19.63
	8H	18.02	18.84	18.48	19.28	19.75	17.90	18.72	18.36	19.16	19.63
	12H	18.03	18.77	18.51	19.24	19.71	17.91	18.65	18.39	19.12	19.59
8H	4H	17.82	18.65	18.28	19.09	19.56	17.72	18.55	18.18	18.99	19.46
	6H	18.19	18.87	18.68	19.36	19.83	18.08	18.76	18.57	19.25	19.72
	8H	18.26	18.87	18.77	19.38	19.86	18.14	18.75	18.66	19.26	19.75
	12H	18.29	18.83	18.80	19.32	19.88	18.17	18.71	18.68	19.20	19.77
12H	4H	17.82	18.56	18.30	19.04	19.51	17.72	18.46	18.20	18.94	19.41
	6H	18.18	18.79	18.69	19.30	19.79	18.07	18.68	18.58	19.19	19.68
	8H	18.28	18.82	18.79	19.31	19.88	18.17	18.71	18.68	19.20	19.76