

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: P997306

Luminaire Tested: FSP-14-L3C3-CP187-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP187-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

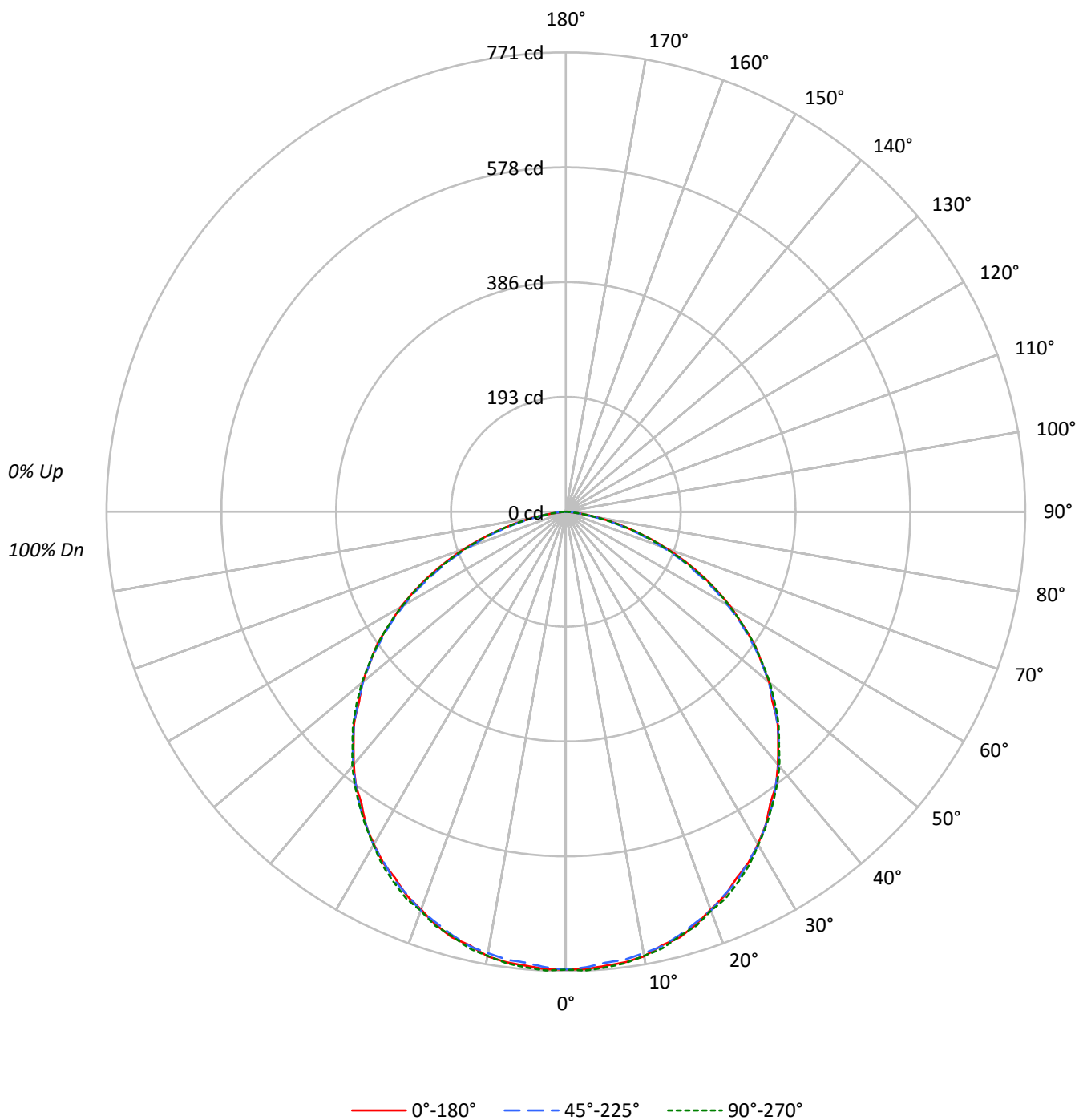
Lumens per Lamp: N/A
Luminaire Lumens: 2080.0 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	59	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	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°	2670	2670	2670
5°	2668	2650	2678
10°	2673	2655	2670
15°	2660	2647	2652
20°	2627	2632	2635
25°	2601	2615	2626
30°	2585	2591	2591
35°	2536	2558	2558
40°	2511	2518	2528
45°	2471	2467	2482
50°	2408	2401	2416
55°	2334	2308	2330
60°	2224	2184	2209
65°	2058	1992	2041
70°	1836	1739	1798
75°	1490	1403	1471
80°	1031	959	1017
85°	490	435	462

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2482 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	3.5
10°-20°	207.9	10.0
20°-30°	314.3	15.1
30°-40°	377.2	18.1
40°-50°	388.0	18.7
50°-60°	342.1	16.4
60°-70°	243.9	11.7
70°-80°	115.9	5.6
80°-90°	18.0	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°	594.8	28.6
0°-40°	972.0	46.7
0°-60°	1702.1	81.8
0°-90°	2080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2080.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	765	765	760	766	768	73
15°	739	736	736	738	737	208
25°	678	681	682	684	685	313
35°	598	602	603	606	603	376
45°	503	505	502	505	505	386
55°	385	385	381	383	385	343
65°	250	249	242	246	248	248
75°	111	110	104	106	110	119
85°	12	12	11	11	12	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.4	768.4	768.4	768.4	768.4
2.5°	768.4	767.0	765.5	767.7	770.6
5°	764.8	764.8	759.7	765.5	767.7
7.5°	762.6	758.2	758.2	761.1	764.1
10°	757.5	753.2	752.4	755.3	756.8
12.5°	745.2	745.2	746.6	747.4	750.3
15°	739.4	736.5	735.8	737.9	737.2
17.5°	726.3	724.1	723.4	727.8	728.5
20°	710.4	711.1	711.8	712.5	712.5
22.5°	697.3	698.0	695.8	703.1	701.6
25°	678.4	680.6	682.1	683.5	685.0
27.5°	663.9	662.5	662.5	665.4	667.5
30°	644.3	643.6	645.8	647.2	645.8
32.5°	624.0	624.7	624.0	626.2	625.5
35°	597.9	602.2	603.0	605.9	603.0
37.5°	579.0	579.0	579.0	581.2	581.2
40°	553.6	555.8	555.1	559.4	557.3
42.5°	527.5	529.7	529.0	534.0	529.7
45°	502.8	505.0	502.1	505.0	505.0
47.5°	470.2	473.8	473.1	478.2	476.0
50°	445.5	448.4	444.1	446.2	447.0
52.5°	413.6	416.5	413.6	415.0	415.0
55°	385.3	385.3	380.9	383.1	384.6
57.5°	350.5	352.6	348.3	349.7	351.2
60°	320.0	319.3	314.2	314.9	317.8
62.5°	285.2	284.4	279.4	280.1	284.4
65°	250.3	248.9	242.3	246.0	248.2
67.5°	215.5	214.8	208.2	209.0	211.9
70°	180.7	179.9	171.2	174.1	177.0
72.5°	145.1	144.4	137.9	140.0	143.7
75°	111.0	110.3	104.5	105.9	109.6
77.5°	80.5	78.4	74.7	76.9	79.1
80°	51.5	51.5	47.9	50.1	50.8
82.5°	28.3	28.3	26.8	27.6	28.3
85°	12.3	11.6	10.9	10.9	11.6
87.5°	2.2	2.2	2.2	2.2	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	15.15	16.76	15.51	17.07	17.39	15.10	16.71	15.46	17.02	17.34
	3H	16.72	18.17	17.10	18.50	18.86	16.63	18.08	17.00	18.40	18.76
	4H	17.19	18.55	17.59	18.90	19.28	17.09	18.45	17.49	18.80	19.18
	6H	17.43	18.70	17.85	19.06	19.45	17.33	18.59	17.74	18.96	19.35
	8H	17.47	18.67	17.89	19.06	19.46	17.37	18.57	17.79	18.96	19.36
	12H	17.47	18.62	17.90	19.00	19.43	17.37	18.52	17.80	18.90	19.33
4H	2H	15.69	17.05	16.09	17.40	17.77	15.65	17.01	16.05	17.36	17.74
	3H	17.45	18.58	17.86	18.98	19.38	17.36	18.49	17.77	18.89	19.29
	4H	18.02	19.04	18.45	19.45	19.89	17.91	18.93	18.34	19.35	19.79
	6H	18.34	19.23	18.80	19.67	20.13	18.24	19.12	18.69	19.57	20.02
	8H	18.39	19.22	18.85	19.67	20.13	18.29	19.12	18.75	19.56	20.02
	12H	18.41	19.15	18.89	19.63	20.10	18.30	19.04	18.78	19.52	19.99
8H	4H	18.19	19.03	18.66	19.47	19.93	18.10	18.93	18.56	19.37	19.84
	6H	18.57	19.26	19.07	19.75	20.23	18.48	19.16	18.97	19.65	20.13
	8H	18.65	19.26	19.16	19.77	20.26	18.55	19.16	19.06	19.67	20.16
	12H	18.68	19.22	19.19	19.72	20.28	18.58	19.12	19.09	19.61	20.18
12H	4H	18.19	18.94	18.68	19.42	19.88	18.10	18.85	18.58	19.32	19.79
	6H	18.57	19.19	19.08	19.69	20.18	18.47	19.09	18.98	19.60	20.08
	8H	18.68	19.22	19.19	19.71	20.27	18.58	19.12	19.09	19.61	20.18