

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: P997300

Luminaire Tested: FSP-14-L3C3-CP187-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997300
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-CP187-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

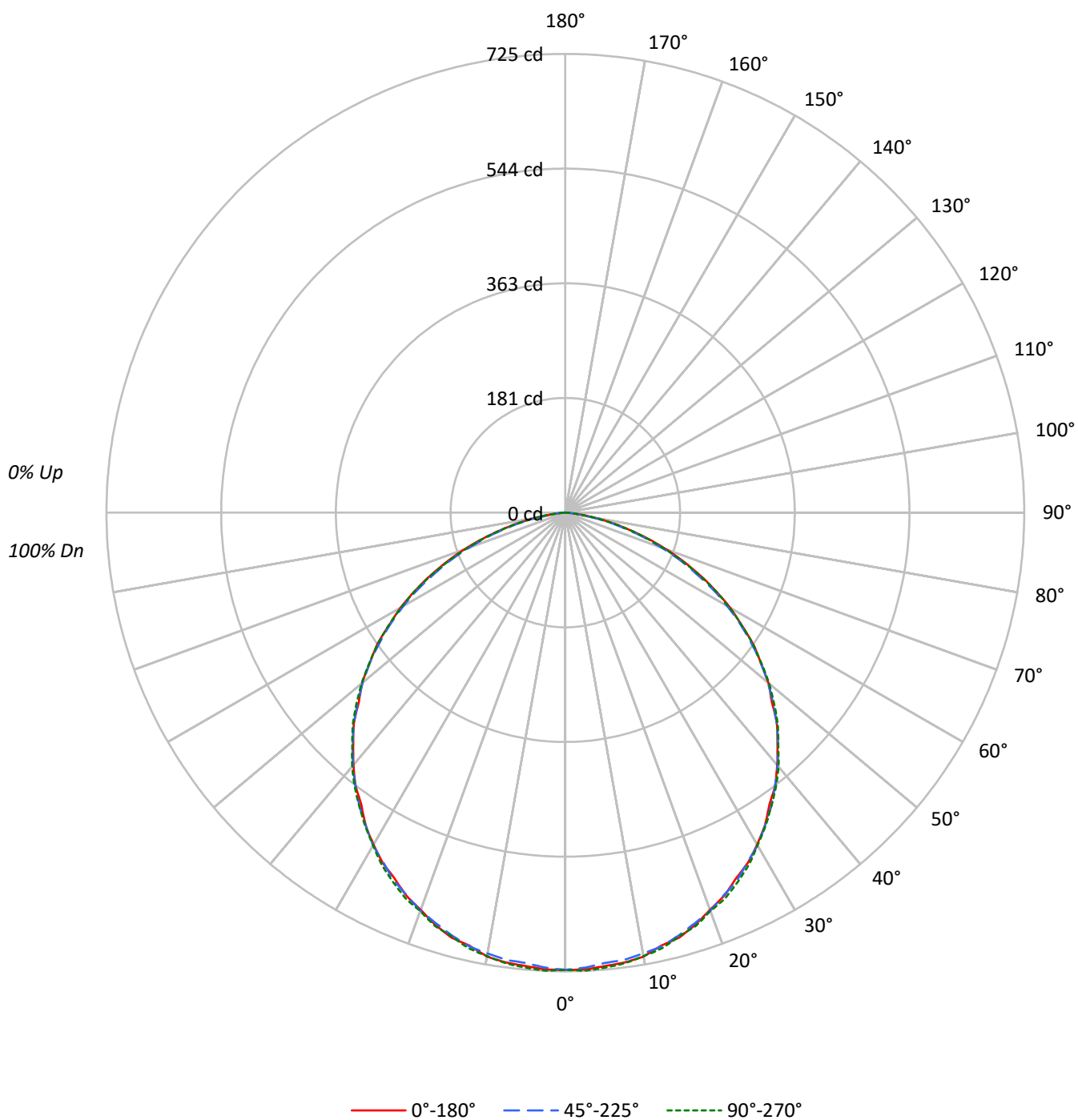
Lumens per Lamp: N/A
Luminaire Lumens: 1956.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	2511	2511	2511
5°	2509	2492	2518
10°	2514	2497	2511
15°	2501	2489	2494
20°	2470	2475	2478
25°	2446	2459	2470
30°	2431	2437	2437
35°	2385	2405	2405
40°	2361	2368	2377
45°	2324	2320	2334
50°	2265	2258	2272
55°	2195	2170	2191
60°	2091	2054	2077
65°	1936	1874	1919
70°	1726	1636	1692
75°	1402	1320	1383
80°	969	900	957
85°	462	407	435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	3.5
10°-20°	195.5	10.0
20°-30°	295.5	15.1
30°-40°	354.7	18.1
40°-50°	364.9	18.7
50°-60°	321.7	16.4
60°-70°	229.4	11.7
70°-80°	109.0	5.6
80°-90°	16.9	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°	559.4	28.6
0°-40°	914.1	46.7
0°-60°	1600.7	81.8
0°-90°	1956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1956.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	719	719	714	720	722	68
15°	695	693	692	694	693	196
25°	638	640	641	643	644	295
35°	562	566	567	570	567	353
45°	473	475	472	475	475	363
55°	362	362	358	360	362	322
65°	235	234	228	231	233	233
75°	104	104	98	100	103	112
85°	12	11	10	10	11	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	722.6	722.6	722.6	722.6	722.6
2.5°	722.6	721.2	719.9	721.9	724.6
5°	719.2	719.2	714.4	719.9	721.9
7.5°	717.1	713.0	713.0	715.8	718.5
10°	712.4	708.3	707.6	710.3	711.7
12.5°	700.8	700.8	702.1	702.8	705.5
15°	695.3	692.6	691.9	693.9	693.3
17.5°	683.0	681.0	680.3	684.4	685.1
20°	668.0	668.7	669.4	670.1	670.1
22.5°	655.7	656.4	654.4	661.2	659.8
25°	638.0	640.0	641.4	642.8	644.1
27.5°	624.3	623.0	623.0	625.7	627.8
30°	605.9	605.2	607.3	608.6	607.3
32.5°	586.8	587.5	586.8	588.9	588.2
35°	562.2	566.3	567.0	569.8	567.0
37.5°	544.5	544.5	544.5	546.6	546.6
40°	520.6	522.7	522.0	526.1	524.0
42.5°	496.1	498.1	497.4	502.2	498.1
45°	472.9	474.9	472.2	474.9	474.9
47.5°	442.2	445.6	444.9	449.7	447.6
50°	419.0	421.7	417.6	419.6	420.3
52.5°	388.9	391.7	388.9	390.3	390.3
55°	362.3	362.3	358.2	360.3	361.6
57.5°	329.6	331.6	327.5	328.9	330.3
60°	300.9	300.2	295.5	296.1	298.9
62.5°	268.2	267.5	262.7	263.4	267.5
65°	235.4	234.0	227.9	231.3	233.4
67.5°	202.7	202.0	195.8	196.5	199.2
70°	169.9	169.2	161.0	163.8	166.5
72.5°	136.5	135.8	129.6	131.7	135.1
75°	104.4	103.7	98.3	99.6	103.0
77.5°	75.7	73.7	70.3	72.3	74.4
80°	48.4	48.4	45.0	47.1	47.8
82.5°	26.6	26.6	25.2	25.9	26.6
85°	11.6	10.9	10.2	10.2	10.9
87.5°	2.0	2.0	2.0	2.0	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	14.93	16.54	15.30	16.86	17.17	14.89	16.50	15.25	16.81	17.13
	3H	16.51	17.96	16.88	18.28	18.64	16.41	17.86	16.79	18.19	18.55
	4H	16.98	18.34	17.38	18.69	19.07	16.88	18.24	17.28	18.59	18.96
	6H	17.22	18.48	17.63	18.85	19.24	17.12	18.38	17.53	18.74	19.14
	8H	17.25	18.46	17.68	18.85	19.24	17.15	18.36	17.58	18.74	19.14
	12H	17.25	18.41	17.68	18.79	19.22	17.15	18.30	17.58	18.69	19.11
4H	2H	15.47	16.84	15.87	17.18	17.56	15.44	16.80	15.83	17.15	17.52
	3H	17.23	18.37	17.64	18.77	19.17	17.15	18.28	17.56	18.68	19.08
	4H	17.80	18.83	18.24	19.24	19.68	17.70	18.72	18.13	19.14	19.57
	6H	18.13	19.02	18.58	19.46	19.92	18.02	18.91	18.48	19.35	19.81
	8H	18.18	19.01	18.64	19.45	19.92	18.07	18.90	18.53	19.35	19.81
	12H	18.19	18.94	18.67	19.41	19.88	18.08	18.83	18.57	19.30	19.77
8H	4H	17.98	18.81	18.44	19.26	19.72	17.89	18.72	18.35	19.16	19.63
	6H	18.36	19.05	18.86	19.54	20.01	18.26	18.95	18.76	19.44	19.91
	8H	18.44	19.05	18.95	19.56	20.04	18.34	18.95	18.85	19.46	19.95
	12H	18.47	19.01	18.98	19.50	20.06	18.37	18.91	18.88	19.40	19.96
12H	4H	17.98	18.73	18.46	19.20	19.67	17.89	18.63	18.37	19.11	19.58
	6H	18.36	18.97	18.87	19.48	19.97	18.26	18.88	18.77	19.38	19.87
	8H	18.46	19.01	18.97	19.50	20.06	18.37	18.91	18.87	19.40	19.96