

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: P997327

Luminaire Tested: FSP-22-L3C3-CA08-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CA08-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

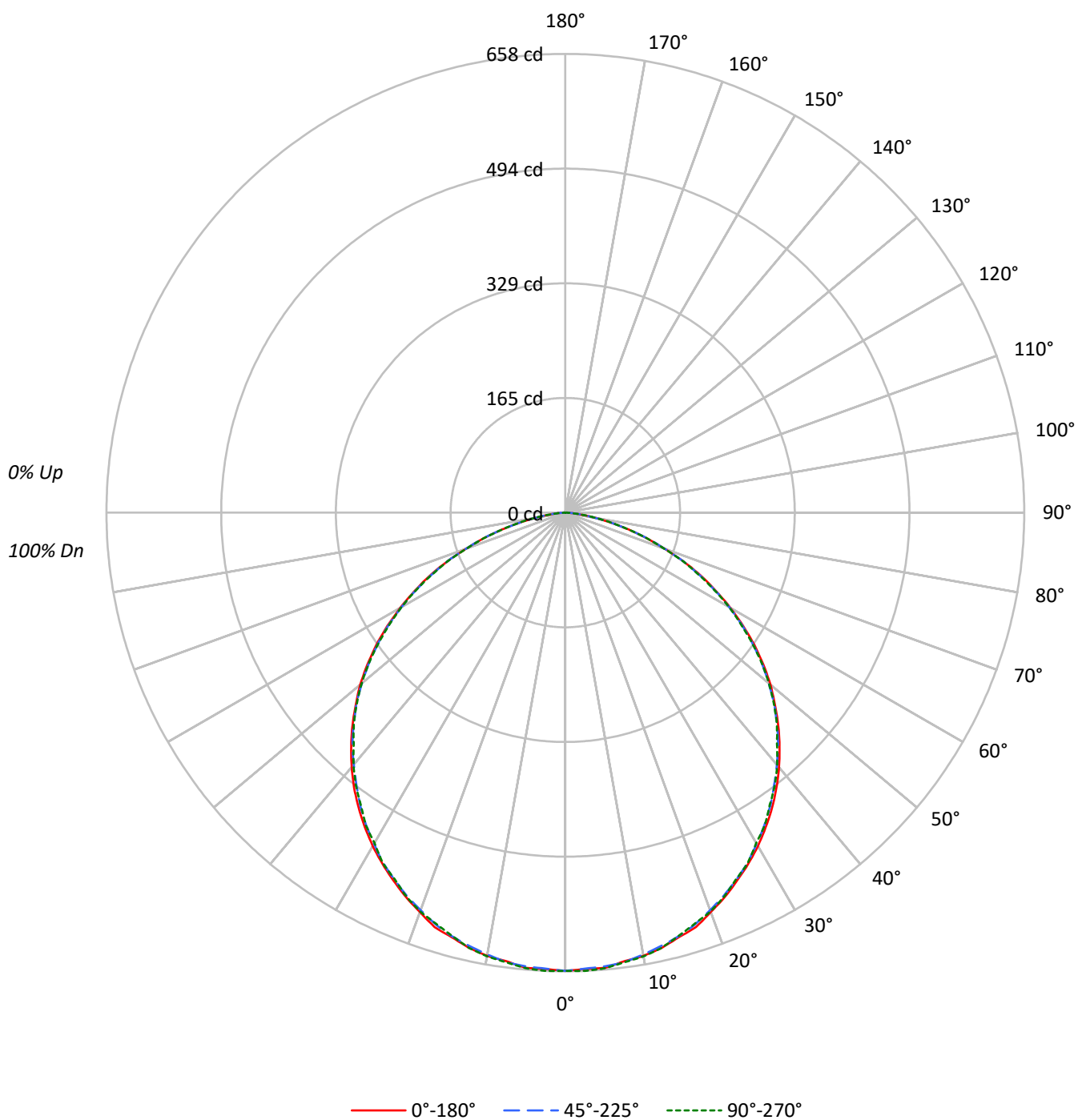
Lumens per Lamp: N/A
Luminaire Lumens: 1783.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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	95	98	95	92		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	63		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	47	41		52
7	66	52	44	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	60	47	39	33	46	38	33		44	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°	2154	2154	2154
5°	2155	2148	2157
10°	2148	2141	2150
15°	2138	2134	2131
20°	2126	2116	2123
25°	2106	2099	2096
30°	2089	2076	2071
35°	2068	2051	2045
40°	2039	2018	2021
45°	2001	1988	1988
50°	1957	1940	1944
55°	1889	1874	1870
60°	1791	1782	1777
65°	1668	1647	1641
70°	1451	1451	1445
75°	1191	1182	1182
80°	849	823	862
85°	444	444	444

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	3.5
10°-20°	177.6	10.0
20°-30°	267.9	15.0
30°-40°	321.7	18.0
40°-50°	331.6	18.6
50°-60°	293.7	16.5
60°-70°	210.4	11.8
70°-80°	100.5	5.6
80°-90°	17.5	1.0
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°	507.6	28.5
0°-40°	829.3	46.5
0°-60°	1454.6	81.6
0°-90°	1783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1783.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	657	657	657	657	657	
5°	655	653	653	654	656	62
15°	630	631	629	628	628	178
25°	583	582	580	580	580	269
35°	517	517	513	514	511	323
45°	432	432	429	428	429	333
55°	331	332	328	328	327	295
65°	215	214	212	212	212	211
75°	94	92	93	95	93	100
85°	12	12	12	12	12	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	657.3	657.3	657.3	657.3	657.3
2.5°	655.3	655.3	654.6	655.9	658.0
5°	655.3	653.2	653.2	653.9	655.9
7.5°	649.0	649.7	650.4	649.0	650.4
10°	645.6	644.2	643.5	644.9	646.3
12.5°	639.3	638.0	636.6	638.0	639.3
15°	630.3	631.0	629.0	627.6	628.3
17.5°	623.4	619.3	619.3	618.6	617.9
20°	609.6	608.2	606.8	607.5	608.9
22.5°	597.1	596.4	594.4	595.1	595.8
25°	582.6	581.9	580.5	580.5	579.8
27.5°	568.1	567.4	566.0	565.3	566.7
30°	552.2	552.9	548.7	548.7	547.3
32.5°	534.9	534.9	531.4	530.0	532.1
35°	516.9	516.9	512.7	514.1	511.3
37.5°	497.5	498.9	492.0	494.0	493.3
40°	476.7	475.4	471.9	476.0	472.6
42.5°	454.6	456.7	451.8	451.8	449.1
45°	431.8	431.8	429.0	428.3	429.0
47.5°	407.5	408.2	406.2	406.9	405.5
50°	384.0	383.3	380.6	379.9	381.3
52.5°	357.7	358.4	355.0	355.7	355.0
55°	330.7	332.1	328.0	328.0	327.3
57.5°	302.4	302.4	300.3	300.3	298.9
60°	273.3	275.4	271.9	271.9	271.2
62.5°	243.6	243.6	242.2	242.9	241.5
65°	215.2	213.8	212.4	211.7	211.7
67.5°	184.1	182.7	184.1	182.0	182.7
70°	151.5	152.2	151.5	151.5	150.8
72.5°	122.5	122.5	123.2	122.5	122.5
75°	94.1	92.0	93.4	94.8	93.4
77.5°	66.4	66.4	67.8	67.8	68.5
80°	45.0	43.6	43.6	45.0	45.7
82.5°	24.9	25.6	25.6	25.6	25.6
85°	11.8	12.5	11.8	11.8	11.8
87.5°	5.5	5.5	4.8	4.2	3.5
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	14.42	16.03	14.78	16.34	16.66	14.36	15.97	14.72	16.29	16.60
	3H	15.95	17.41	16.33	17.73	18.10	15.91	17.36	16.28	17.69	18.05
	4H	16.42	17.78	16.81	18.13	18.51	16.38	17.74	16.78	18.09	18.47
	6H	16.65	17.91	17.06	18.28	18.67	16.63	17.89	17.04	18.26	18.65
	8H	16.69	17.89	17.11	18.28	18.68	16.67	17.88	17.10	18.27	18.66
	12H	16.69	17.85	17.12	18.23	18.66	16.68	17.83	17.11	18.21	18.64
4H	2H	14.98	16.35	15.38	16.69	17.07	14.94	16.30	15.33	16.65	17.03
	3H	16.71	17.85	17.12	18.24	18.65	16.67	17.81	17.08	18.21	18.61
	4H	17.26	18.28	17.69	18.70	19.13	17.24	18.26	17.67	18.68	19.12
	6H	17.57	18.47	18.03	18.91	19.36	17.57	18.47	18.03	18.91	19.37
	8H	17.63	18.46	18.09	18.90	19.37	17.63	18.47	18.09	18.91	19.38
	12H	17.65	18.40	18.13	18.87	19.34	17.65	18.40	18.14	18.88	19.35
8H	4H	17.45	18.29	17.92	18.73	19.20	17.44	18.27	17.90	18.72	19.18
	6H	17.83	18.52	18.32	19.01	19.48	17.83	18.52	18.33	19.01	19.49
	8H	17.91	18.53	18.42	19.04	19.52	17.92	18.54	18.43	19.04	19.53
	12H	17.96	18.50	18.46	18.99	19.55	17.97	18.51	18.47	19.00	19.56
12H	4H	17.46	18.20	17.94	18.68	19.15	17.44	18.19	17.92	18.66	19.13
	6H	17.83	18.45	18.34	18.96	19.44	17.83	18.45	18.34	18.96	19.45
	8H	17.95	18.49	18.45	18.98	19.54	17.96	18.50	18.46	18.99	19.55