

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: P997369

Luminaire Tested: FSP-22-L3C3-CP250-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP250-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

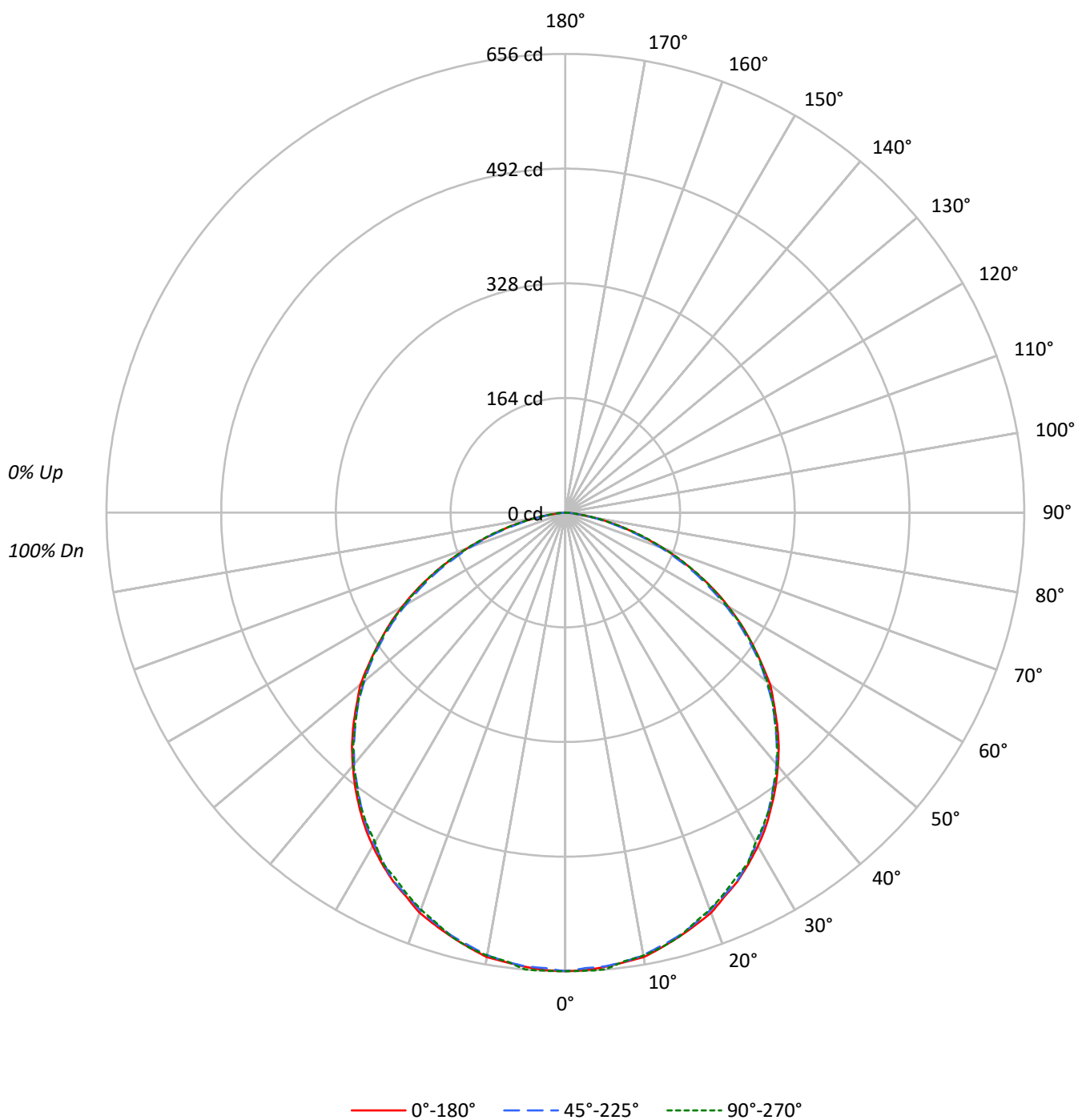
Lumens per Lamp: N/A
Luminaire Lumens: 1757.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	87	81	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	62	56	68	61	56		66	60	55		64
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	38	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	28	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2148	2148	2148
5°	2144	2142	2157
10°	2148	2138	2140
15°	2130	2125	2130
20°	2123	2111	2106
25°	2104	2102	2083
30°	2083	2070	2059
35°	2054	2039	2045
40°	2021	2009	2015
45°	1984	1963	1967
50°	1948	1911	1922
55°	1858	1833	1854
60°	1763	1725	1754
65°	1623	1583	1628
70°	1425	1377	1432
75°	1155	1090	1172
80°	785	743	811
85°	357	331	357

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1984 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	3.5
10°-20°	177.0	10.1
20°-30°	267.0	15.2
30°-40°	319.8	18.2
40°-50°	328.2	18.7
50°-60°	288.6	16.4
60°-70°	204.0	11.6
70°-80°	95.5	5.4
80°-90°	14.9	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°	505.9	28.8
0°-40°	825.7	47.0
0°-60°	1442.6	82.1
0°-90°	1757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	652	653	651	652	656	62
15°	628	628	626	626	628	177
25°	582	581	581	578	576	268
35°	514	514	510	510	511	321
45°	428	427	424	424	424	330
55°	325	323	321	324	325	291
65°	209	206	204	207	210	207
75°	91	88	86	90	93	97
85°	10	10	9	10	10	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.7	655.7	655.7	655.7	655.7
2.5°	654.9	654.2	652.0	654.2	655.7
5°	652.0	652.8	651.3	652.0	655.7
7.5°	648.4	649.1	647.7	647.7	646.9
10°	645.5	645.5	642.5	642.5	643.3
12.5°	636.7	638.2	634.5	636.0	636.7
15°	628.0	628.0	626.5	625.8	628.0
17.5°	618.5	618.5	616.3	616.3	614.8
20°	609.0	607.5	605.3	603.2	603.9
22.5°	594.4	595.1	592.2	592.2	590.8
25°	582.0	580.6	581.3	577.6	576.2
27.5°	566.7	566.0	563.8	563.8	565.2
30°	550.6	548.5	547.0	545.5	544.1
32.5°	533.1	531.7	529.5	528.8	528.0
35°	513.5	513.5	509.8	509.8	511.3
37.5°	493.8	495.2	489.4	490.1	490.1
40°	472.6	473.3	469.7	470.4	471.2
42.5°	451.5	450.0	447.1	449.3	448.5
45°	428.1	426.7	423.7	424.5	424.5
47.5°	404.1	402.6	401.1	401.1	401.9
50°	382.2	377.8	374.9	375.6	377.1
52.5°	353.0	352.3	349.4	350.1	351.5
55°	325.3	323.1	320.9	323.8	324.6
57.5°	298.3	296.1	293.2	294.7	296.8
60°	269.1	265.5	263.3	265.5	267.7
62.5°	240.7	235.6	233.4	236.3	238.5
65°	209.3	206.4	204.2	207.1	210.0
67.5°	179.4	174.3	173.6	178.0	180.1
70°	148.8	143.7	143.7	147.3	149.5
72.5°	118.9	113.8	114.5	118.9	121.1
75°	91.2	87.5	86.1	90.4	92.6
77.5°	64.9	61.3	61.3	65.6	65.6
80°	41.6	39.4	39.4	42.3	43.0
82.5°	23.3	22.6	21.9	23.3	24.1
85°	9.5	9.5	8.8	10.2	9.5
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	14.33	15.94	14.70	16.25	16.57	14.30	15.91	14.67	16.22	16.54
	3H	15.83	17.28	16.21	17.60	17.96	15.84	17.29	16.22	17.62	17.98
	4H	16.28	17.63	16.67	17.98	18.36	16.31	17.67	16.71	18.02	18.39
	6H	16.50	17.75	16.91	18.12	18.51	16.55	17.80	16.96	18.17	18.56
	8H	16.53	17.73	16.95	18.12	18.52	16.58	17.78	17.01	18.17	18.57
	12H	16.53	17.67	16.96	18.06	18.48	16.58	17.73	17.01	18.11	18.54
4H	2H	14.87	16.23	15.27	16.58	16.96	14.85	16.21	15.25	16.55	16.93
	3H	16.54	17.68	16.95	18.07	18.47	16.57	17.70	16.98	18.10	18.50
	4H	17.08	18.10	17.51	18.51	18.95	17.13	18.15	17.56	18.56	19.00
	6H	17.37	18.26	17.83	18.70	19.16	17.45	18.34	17.91	18.78	19.23
	8H	17.42	18.25	17.88	18.69	19.16	17.50	18.33	17.96	18.77	19.24
	12H	17.43	18.17	17.91	18.65	19.12	17.51	18.25	18.00	18.73	19.20
8H	4H	17.25	18.08	17.72	18.52	18.99	17.30	18.13	17.77	18.57	19.04
	6H	17.60	18.28	18.09	18.77	19.25	17.68	18.36	18.17	18.85	19.32
	8H	17.67	18.28	18.18	18.79	19.27	17.75	18.36	18.26	18.87	19.36
	12H	17.70	18.24	18.21	18.73	19.29	17.78	18.32	18.29	18.82	19.38
12H	4H	17.25	18.00	17.74	18.47	18.94	17.30	18.04	17.78	18.52	18.99
	6H	17.59	18.21	18.11	18.72	19.20	17.67	18.28	18.18	18.79	19.28
	8H	17.70	18.23	18.20	18.73	19.29	17.78	18.32	18.29	18.81	19.37