

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: P997345

Luminaire Tested: FSP-22-L3C3-CP125-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP125-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

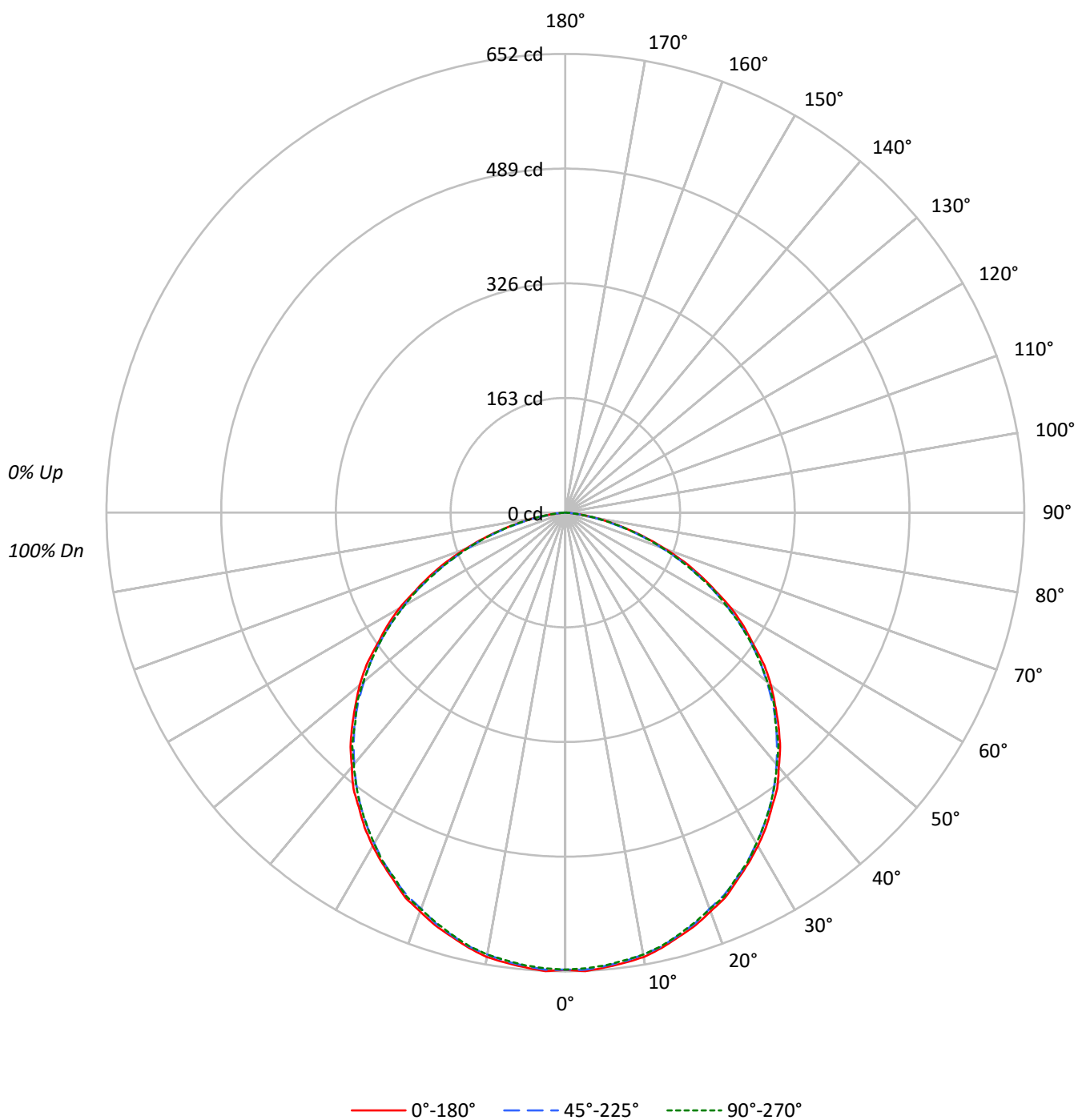
Lumens per Lamp: N/A
Luminaire Lumens: 1751.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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	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	60	55		63
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57
6	71	58	49	43	69	57	49	42	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	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2128	2128	2128
5°	2134	2127	2125
10°	2134	2122	2122
15°	2117	2110	2107
20°	2103	2089	2091
25°	2086	2078	2073
30°	2070	2054	2054
35°	2045	2031	2031
40°	2018	1997	2000
45°	1984	1962	1955
50°	1943	1904	1911
55°	1861	1838	1838
60°	1786	1736	1727
65°	1641	1593	1588
70°	1445	1392	1405
75°	1182	1129	1165
80°	823	783	823
85°	391	365	391

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°	61.5	3.5
10°-20°	175.5	10.0
20°-30°	265.1	15.1
30°-40°	317.9	18.2
40°-50°	326.8	18.7
50°-60°	288.1	16.5
60°-70°	204.0	11.7
70°-80°	96.5	5.5
80°-90°	15.6	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°	502.1	28.7
0°-40°	820.0	46.8
0°-60°	1434.9	81.9
0°-90°	1751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	649	648	647	646	646	62
15°	624	621	622	621	621	176
25°	577	575	575	574	574	266
35°	511	509	508	507	508	320
45°	428	424	423	422	422	330
55°	326	323	322	323	322	293
65°	212	205	206	206	205	209
75°	93	88	89	89	92	100
85°	10	10	10	10	10	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	649.6	649.6	649.6	649.6	649.6
2.5°	652.3	648.9	650.3	648.9	648.2
5°	648.9	648.2	646.8	646.1	646.1
7.5°	645.4	643.3	643.3	641.9	641.9
10°	641.3	637.8	637.8	637.8	637.8
12.5°	633.6	630.2	631.6	629.5	630.9
15°	624.0	621.2	621.9	621.2	621.2
17.5°	615.0	612.2	612.2	611.5	610.8
20°	603.2	603.2	599.1	601.1	599.8
22.5°	592.8	592.1	588.7	587.3	590.1
25°	576.9	574.8	574.8	574.2	573.5
27.5°	562.4	561.7	559.6	560.3	560.3
30°	547.2	544.4	543.0	541.6	543.0
32.5°	530.6	525.7	525.7	525.7	525.7
35°	511.2	509.1	507.7	507.1	507.7
37.5°	494.6	491.1	487.7	487.0	488.4
40°	471.8	469.0	466.9	467.6	467.6
42.5°	451.7	447.6	444.8	446.9	448.3
45°	428.2	424.0	423.4	422.0	422.0
47.5°	404.0	401.2	399.1	398.5	401.9
50°	381.2	375.6	373.5	373.5	374.9
52.5°	356.3	350.7	348.6	349.3	348.6
55°	325.8	323.1	321.7	323.1	321.7
57.5°	300.2	295.4	294.0	294.0	293.3
60°	272.6	265.6	264.9	264.3	263.6
62.5°	240.0	235.9	235.2	235.2	236.6
65°	211.7	204.8	205.5	206.1	204.8
67.5°	182.6	175.7	175.7	176.4	175.7
70°	150.8	144.6	145.3	146.7	146.7
72.5°	121.7	116.9	117.6	117.6	118.3
75°	93.4	87.9	89.2	89.2	92.0
77.5°	67.1	62.9	63.6	65.0	65.7
80°	43.6	40.8	41.5	42.2	43.6
82.5°	24.2	23.5	23.5	24.2	24.2
85°	10.4	9.7	9.7	10.4	10.4
87.5°	2.8	2.8	2.1	2.1	2.8
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	14.34	15.95	14.70	16.26	16.57	14.28	15.89	14.65	16.20	16.52
	3H	15.87	17.31	16.24	17.64	18.00	15.80	17.24	16.17	17.57	17.93
	4H	16.33	17.69	16.73	18.04	18.41	16.26	17.62	16.66	17.97	18.34
	6H	16.57	17.83	16.98	18.19	18.58	16.50	17.76	16.91	18.13	18.52
	8H	16.60	17.80	17.03	18.19	18.59	16.54	17.74	16.96	18.13	18.53
	12H	16.60	17.75	17.03	18.13	18.56	16.54	17.69	16.97	18.07	18.50
4H	2H	14.89	16.25	15.29	16.60	16.97	14.84	16.20	15.24	16.55	16.93
	3H	16.59	17.73	17.00	18.12	18.52	16.54	17.68	16.95	18.08	18.48
	4H	17.14	18.16	17.57	18.57	19.01	17.10	18.12	17.53	18.53	18.97
	6H	17.45	18.34	17.91	18.78	19.24	17.42	18.31	17.87	18.75	19.21
	8H	17.50	18.33	17.96	18.77	19.24	17.47	18.30	17.94	18.75	19.21
	12H	17.52	18.26	18.00	18.74	19.21	17.49	18.23	17.97	18.71	19.18
8H	4H	17.32	18.15	17.78	18.59	19.06	17.28	18.11	17.75	18.56	19.02
	6H	17.69	18.37	18.18	18.86	19.34	17.66	18.35	18.16	18.84	19.31
	8H	17.76	18.38	18.27	18.88	19.37	17.74	18.36	18.26	18.87	19.35
	12H	17.80	18.34	18.31	18.83	19.39	17.78	18.32	18.29	18.81	19.38
12H	4H	17.32	18.07	17.80	18.54	19.01	17.28	18.03	17.76	18.50	18.97
	6H	17.69	18.30	18.20	18.81	19.29	17.66	18.28	18.17	18.78	19.27
	8H	17.79	18.34	18.30	18.83	19.39	17.77	18.32	18.28	18.81	19.37