

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: P997363

Luminaire Tested: FSP-22-L3C3-CP250-3000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997363
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-CP250-3000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

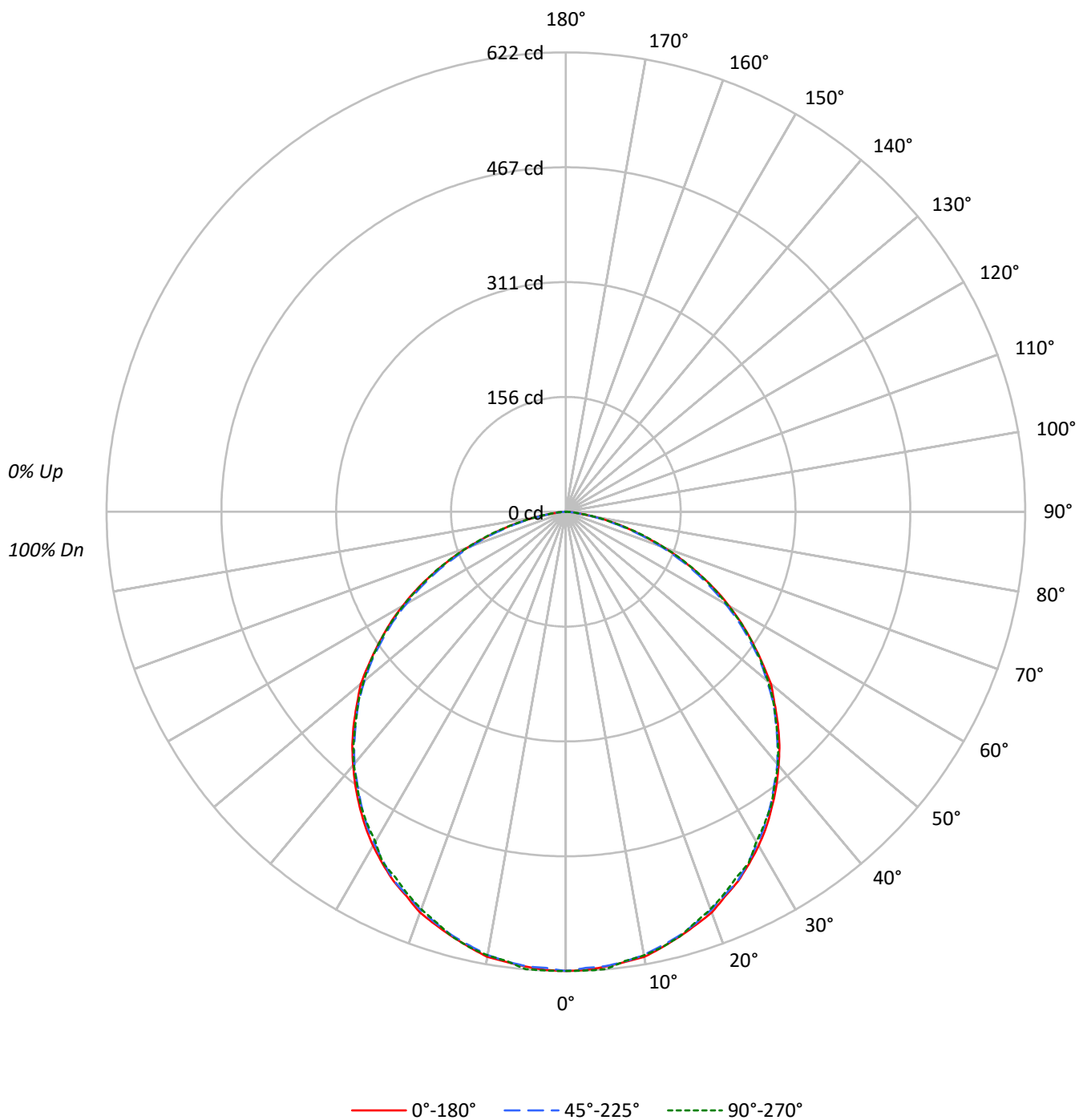
Lumens per Lamp: N/A
Luminaire Lumens: 1666.0 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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	40	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°	2037	2037	2037
5°	2034	2031	2045
10°	2036	2027	2030
15°	2020	2015	2020
20°	2014	2001	1997
25°	1995	1993	1975
30°	1975	1962	1952
35°	1948	1934	1939
40°	1917	1905	1911
45°	1881	1862	1865
50°	1847	1812	1822
55°	1762	1738	1758
60°	1672	1636	1663
65°	1539	1501	1544
70°	1352	1305	1358
75°	1094	1033	1112
80°	743	704	770
85°	338	312	338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1881 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	3.5
10°-20°	167.8	10.1
20°-30°	253.2	15.2
30°-40°	303.3	18.2
40°-50°	311.2	18.7
50°-60°	273.6	16.4
60°-70°	193.5	11.6
70°-80°	90.5	5.4
80°-90°	14.2	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°	479.7	28.8
0°-40°	783.0	47.0
0°-60°	1367.8	82.1
0°-90°	1666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	618	619	618	618	622	59
15°	595	595	594	593	595	168
25°	552	550	551	548	546	254
35°	487	487	483	483	485	305
45°	406	405	402	402	402	313
55°	308	306	304	307	308	276
65°	198	196	194	196	199	197
75°	86	83	82	86	88	92
85°	9	9	8	10	9	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	621.7	621.7	621.7	621.7	621.7
2.5°	621.0	620.3	618.3	620.3	621.7
5°	618.3	618.9	617.6	618.3	621.7
7.5°	614.8	615.5	614.1	614.1	613.4
10°	612.0	612.0	609.3	609.3	610.0
12.5°	603.7	605.1	601.7	603.0	603.7
15°	595.4	595.4	594.1	593.4	595.4
17.5°	586.4	586.4	584.4	584.4	583.0
20°	577.5	576.1	574.0	571.9	572.6
22.5°	563.6	564.3	561.5	561.5	560.2
25°	551.9	550.5	551.2	547.7	546.3
27.5°	537.3	536.7	534.6	534.6	536.0
30°	522.1	520.1	518.7	517.3	515.9
32.5°	505.5	504.1	502.1	501.4	500.7
35°	486.9	486.9	483.4	483.4	484.8
37.5°	468.2	469.6	464.0	464.7	464.7
40°	448.1	448.8	445.4	446.1	446.7
42.5°	428.1	426.7	423.9	426.0	425.3
45°	405.9	404.6	401.8	402.5	402.5
47.5°	383.1	381.7	380.4	380.4	381.1
50°	362.4	358.2	355.5	356.2	357.5
52.5°	334.7	334.0	331.3	331.9	333.3
55°	308.4	306.4	304.3	307.1	307.7
57.5°	282.8	280.8	278.0	279.4	281.5
60°	255.2	251.7	249.7	251.7	253.8
62.5°	228.2	223.4	221.3	224.1	226.1
65°	198.5	195.7	193.6	196.4	199.2
67.5°	170.1	165.3	164.6	168.7	170.8
70°	141.1	136.2	136.2	139.7	141.8
72.5°	112.7	107.9	108.6	112.7	114.8
75°	86.4	83.0	81.6	85.8	87.8
77.5°	61.5	58.1	58.1	62.2	62.2
80°	39.4	37.3	37.3	40.1	40.8
82.5°	22.1	21.4	20.7	22.1	22.8
85°	9.0	9.0	8.3	9.7	9.0
87.5°	2.1	2.1	2.1	2.1	2.1
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	14.15	15.75	14.51	16.07	16.38	14.12	15.72	14.48	16.04	16.35
	3H	15.64	17.09	16.02	17.42	17.78	15.66	17.11	16.04	17.43	17.79
	4H	16.09	17.45	16.49	17.80	18.17	16.13	17.49	16.53	17.83	18.21
	6H	16.31	17.57	16.72	17.93	18.33	16.36	17.62	16.77	17.98	18.38
	8H	16.34	17.54	16.77	17.93	18.33	16.40	17.60	16.82	17.98	18.38
	12H	16.34	17.49	16.77	17.87	18.30	16.40	17.54	16.83	17.93	18.35
4H	2H	14.69	16.05	15.09	16.40	16.77	14.66	16.02	15.06	16.37	16.75
	3H	16.36	17.49	16.77	17.89	18.29	16.39	17.52	16.80	17.92	18.32
	4H	16.89	17.91	17.32	18.32	18.76	16.95	17.97	17.38	18.38	18.82
	6H	17.19	18.07	17.64	18.51	18.97	17.27	18.15	17.72	18.59	19.05
	8H	17.23	18.06	17.70	18.50	18.97	17.32	18.14	17.78	18.59	19.05
	12H	17.25	17.99	17.73	18.46	18.93	17.33	18.07	17.81	18.55	19.02
8H	4H	17.07	17.90	17.53	18.34	18.81	17.12	17.95	17.58	18.39	18.86
	6H	17.41	18.10	17.91	18.59	19.06	17.49	18.17	17.99	18.66	19.14
	8H	17.48	18.09	17.99	18.60	19.09	17.57	18.18	18.08	18.69	19.17
	12H	17.51	18.05	18.02	18.54	19.11	17.60	18.14	18.11	18.63	19.19
12H	4H	17.07	17.81	17.55	18.29	18.76	17.12	17.86	17.60	18.33	18.80
	6H	17.41	18.02	17.92	18.53	19.02	17.49	18.10	18.00	18.61	19.09
	8H	17.51	18.05	18.02	18.54	19.10	17.59	18.13	18.10	18.62	19.18