

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: P997366

Luminaire Tested: FSP-22-L3C3-CP250-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997366
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-CP250-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

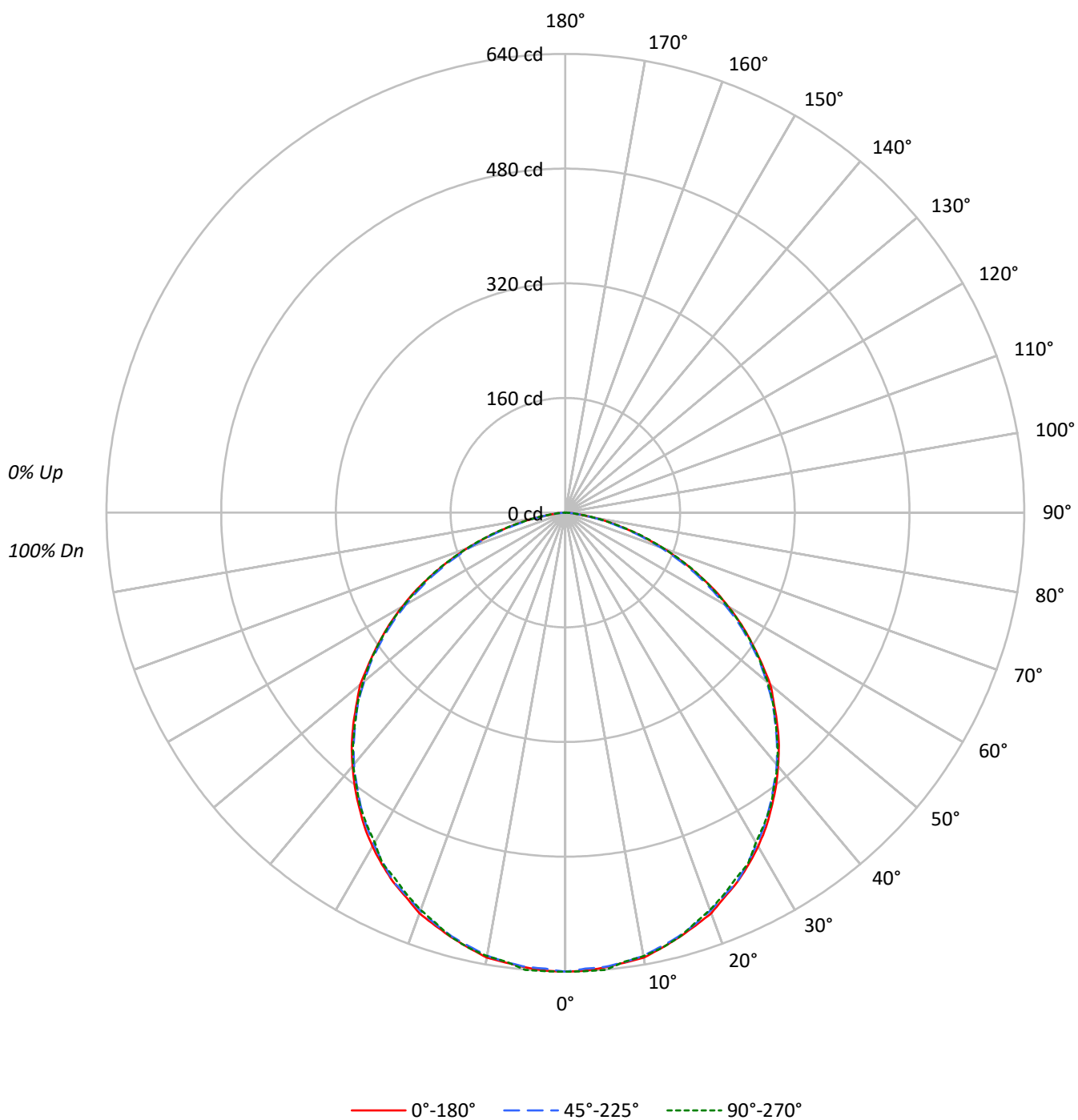
Lumens per Lamp: N/A
Luminaire Lumens: 1716.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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°	2098	2098	2098
5°	2094	2092	2106
10°	2097	2088	2090
15°	2080	2076	2080
20°	2074	2061	2057
25°	2055	2052	2034
30°	2035	2021	2011
35°	2006	1992	1997
40°	1974	1962	1968
45°	1937	1918	1921
50°	1903	1866	1877
55°	1815	1790	1811
60°	1722	1685	1713
65°	1585	1546	1590
70°	1392	1344	1399
75°	1127	1065	1146
80°	766	726	792
85°	350	320	350

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1937 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	3.5
10°-20°	172.8	10.1
20°-30°	260.7	15.2
30°-40°	312.4	18.2
40°-50°	320.6	18.7
50°-60°	281.8	16.4
60°-70°	199.3	11.6
70°-80°	93.2	5.4
80°-90°	14.6	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°	494.1	28.8
0°-40°	806.5	47.0
0°-60°	1408.9	82.1
0°-90°	1716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	637	638	636	637	640	61
15°	613	613	612	611	613	173
25°	568	567	568	564	563	262
35°	502	502	498	498	499	314
45°	418	417	414	415	415	323
55°	318	316	313	316	317	284
65°	204	202	199	202	205	202
75°	89	86	84	88	90	95
85°	9	9	8	10	9	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	640.4	640.4	640.4	640.4	640.4
2.5°	639.7	638.9	636.8	638.9	640.4
5°	636.8	637.5	636.1	636.8	640.4
7.5°	633.2	634.0	632.5	632.5	631.8
10°	630.4	630.4	627.6	627.6	628.3
12.5°	621.9	623.3	619.7	621.1	621.9
15°	613.3	613.3	611.9	611.2	613.3
17.5°	604.0	604.0	601.9	601.9	600.5
20°	594.8	593.4	591.2	589.1	589.8
22.5°	580.5	581.3	578.4	578.4	577.0
25°	568.4	567.0	567.7	564.2	562.7
27.5°	553.5	552.8	550.6	550.6	552.0
30°	537.8	535.7	534.2	532.8	531.4
32.5°	520.7	519.3	517.1	516.4	515.7
35°	501.5	501.5	497.9	497.9	499.3
37.5°	482.2	483.7	478.0	478.7	478.7
40°	461.6	462.3	458.7	459.4	460.2
42.5°	440.9	439.5	436.7	438.8	438.1
45°	418.1	416.7	413.9	414.6	414.6
47.5°	394.6	393.2	391.8	391.8	392.5
50°	373.3	369.0	366.1	366.8	368.3
52.5°	344.8	344.0	341.2	341.9	343.3
55°	317.7	315.6	313.4	316.3	317.0
57.5°	291.3	289.2	286.4	287.8	289.9
60°	262.8	259.3	257.1	259.3	261.4
62.5°	235.1	230.1	227.9	230.8	232.9
65°	204.4	201.6	199.4	202.3	205.1
67.5°	175.2	170.2	169.5	173.8	175.9
70°	145.3	140.3	140.3	143.9	146.0
72.5°	116.1	111.1	111.8	116.1	118.2
75°	89.0	85.5	84.1	88.3	90.5
77.5°	63.4	59.8	59.8	64.1	64.1
80°	40.6	38.5	38.5	41.3	42.0
82.5°	22.8	22.1	21.4	22.8	23.5
85°	9.3	9.3	8.5	10.0	9.3
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	14.25	15.86	14.62	16.17	16.49	14.22	15.82	14.58	16.14	16.45
	3H	15.75	17.19	16.12	17.52	17.88	15.76	17.21	16.14	17.53	17.90
	4H	16.19	17.55	16.59	17.90	18.28	16.23	17.59	16.63	17.94	18.31
	6H	16.42	17.67	16.83	18.04	18.43	16.47	17.72	16.88	18.09	18.48
	8H	16.45	17.64	16.87	18.03	18.43	16.50	17.70	16.93	18.09	18.49
	12H	16.44	17.59	16.87	17.97	18.40	16.50	17.65	16.93	18.03	18.46
4H	2H	14.79	16.15	15.19	16.50	16.87	14.77	16.12	15.16	16.47	16.85
	3H	16.46	17.59	16.87	17.99	18.39	16.49	17.62	16.90	18.02	18.42
	4H	16.99	18.01	17.43	18.43	18.86	17.05	18.07	17.48	18.48	18.92
	6H	17.29	18.18	17.75	18.62	19.07	17.37	18.25	17.82	18.70	19.15
	8H	17.34	18.16	17.80	18.61	19.07	17.42	18.25	17.88	18.69	19.16
	12H	17.35	18.09	17.83	18.57	19.04	17.43	18.17	17.91	18.65	19.12
8H	4H	17.17	18.00	17.63	18.44	18.91	17.22	18.05	17.68	18.49	18.96
	6H	17.52	18.20	18.01	18.69	19.16	17.59	18.28	18.09	18.77	19.24
	8H	17.59	18.20	18.10	18.70	19.19	17.67	18.28	18.18	18.79	19.28
	12H	17.62	18.16	18.12	18.65	19.21	17.70	18.24	18.21	18.73	19.30
12H	4H	17.17	17.91	17.65	18.39	18.86	17.22	17.96	17.70	18.44	18.91
	6H	17.51	18.12	18.02	18.63	19.12	17.59	18.20	18.10	18.71	19.20
	8H	17.61	18.15	18.12	18.64	19.21	17.70	18.23	18.20	18.73	19.29