

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: P997375

Luminaire Tested: FSP-22-L3C3-CP375-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-20)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP375-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

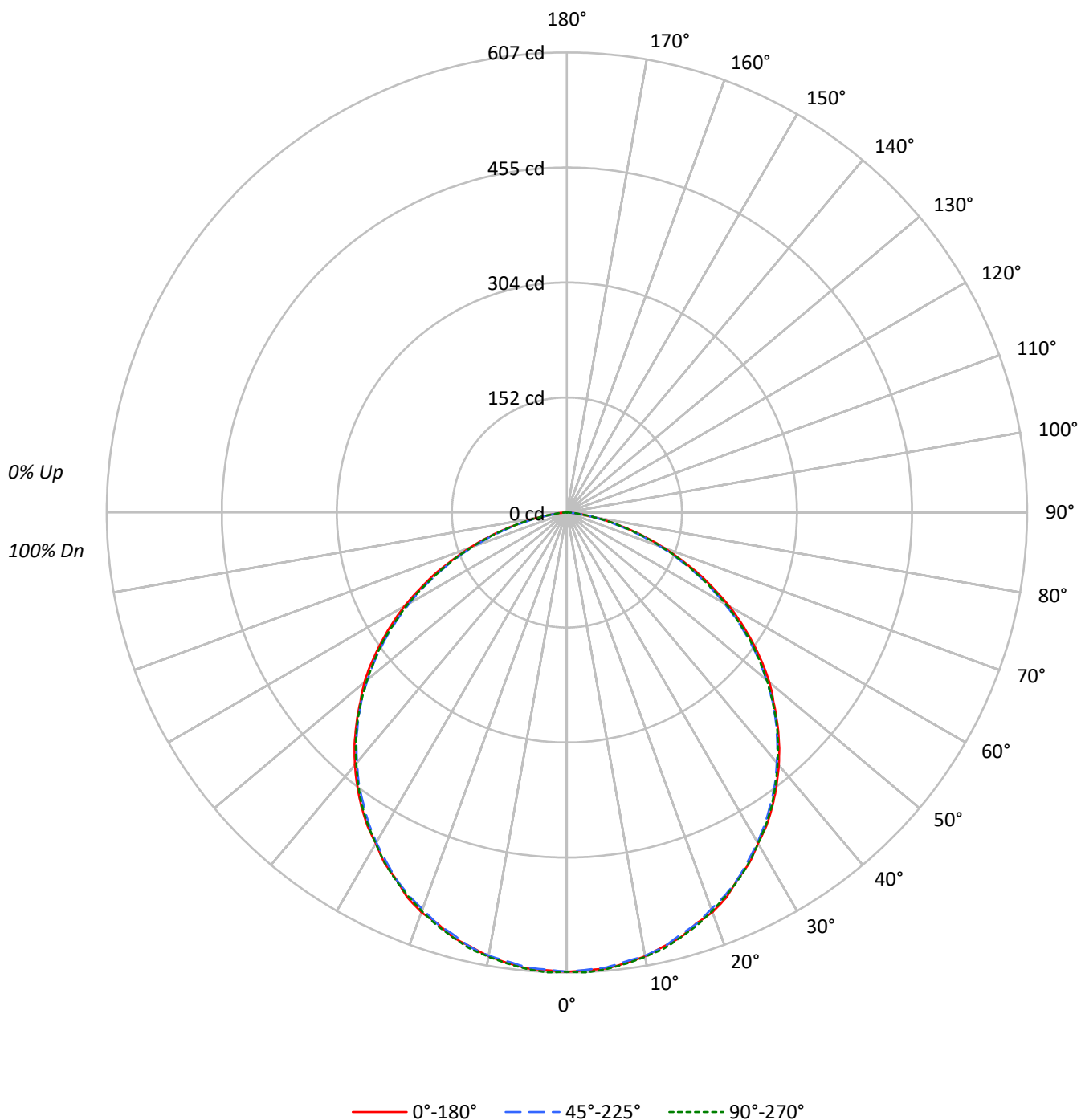
Lumens per Lamp: N/A
Luminaire Lumens: 1609.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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	99	96	93		95	92	90		91
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44
9	57	44	36	30	56	44	36	30	42	35	30		41	35	30		40
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1986	1986	1986
5°	1986	1982	1989
10°	1978	1976	1981
15°	1969	1957	1969
20°	1957	1942	1952
25°	1928	1928	1933
30°	1908	1902	1908
35°	1892	1874	1886
40°	1861	1843	1849
45°	1818	1805	1812
50°	1778	1749	1753
55°	1709	1676	1688
60°	1624	1573	1591
65°	1491	1436	1447
70°	1310	1255	1276
75°	1055	991	1028
80°	711	672	711
85°	320	293	320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	3.6
10°-20°	163.4	10.2
20°-30°	245.9	15.3
30°-40°	294.1	18.3
40°-50°	300.8	18.7
50°-60°	263.0	16.3
60°-70°	185.0	11.5
70°-80°	86.2	5.4
80°-90°	13.4	0.8
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°	466.5	29.0
0°-40°	760.5	47.3
0°-60°	1324.3	82.3
0°-90°	1609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	606	606	606	606	606	
5°	604	602	602	601	605	57
15°	580	580	577	578	580	163
25°	533	534	533	533	535	247
35°	473	472	469	469	471	295
45°	392	391	390	390	391	303
55°	299	296	293	292	296	267
65°	192	189	185	184	187	190
75°	83	81	78	79	81	89
85°	8	8	8	8	8	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	606.0	606.0	606.0	606.0	606.0
2.5°	604.6	606.0	603.9	603.2	607.4
5°	603.9	601.8	602.5	601.0	604.6
7.5°	599.6	599.6	597.5	598.2	600.3
10°	594.6	593.2	593.9	593.9	595.3
12.5°	586.8	588.2	587.5	587.5	589.6
15°	580.4	579.7	576.8	578.3	580.4
17.5°	568.3	570.4	569.0	569.0	571.1
20°	561.2	559.7	556.9	558.3	559.7
22.5°	549.8	548.3	546.2	546.9	547.6
25°	533.4	534.1	533.4	532.7	534.8
27.5°	521.3	519.1	517.7	517.7	520.6
30°	504.2	505.6	502.8	502.8	504.2
32.5°	489.9	489.2	486.4	487.1	488.5
35°	472.9	472.1	468.6	468.6	471.4
37.5°	454.3	452.9	450.8	449.4	452.2
40°	435.1	435.1	430.8	429.4	432.3
42.5°	414.5	411.6	410.9	411.6	412.3
45°	392.4	391.0	389.5	389.5	391.0
47.5°	369.6	368.9	367.5	366.0	367.5
50°	348.9	344.7	343.2	343.2	344.0
52.5°	324.7	320.5	319.0	317.6	319.7
55°	299.1	296.2	293.4	292.0	295.5
57.5°	273.5	269.9	267.0	267.8	268.5
60°	247.8	242.8	240.0	239.3	242.8
62.5°	219.3	216.5	212.9	212.9	214.4
65°	192.3	188.7	185.2	184.4	186.6
67.5°	163.1	161.7	158.1	156.7	160.9
70°	136.7	132.5	131.0	129.6	133.2
72.5°	109.7	105.4	104.0	104.7	107.5
75°	83.3	81.2	78.3	79.0	81.2
77.5°	59.1	57.7	55.5	57.0	59.1
80°	37.7	37.0	35.6	36.3	37.7
82.5°	22.1	21.4	19.9	20.7	20.7
85°	8.5	7.8	7.8	8.5	8.5
87.5°	2.1	2.1	2.1	1.4	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	14.01	15.61	14.37	15.92	16.24	13.94	15.54	14.30	15.85	16.17
	3H	15.52	16.97	15.90	17.29	17.65	15.42	16.86	15.80	17.19	17.55
	4H	15.98	17.33	16.37	17.68	18.05	15.86	17.22	16.26	17.57	17.94
	6H	16.20	17.45	16.61	17.82	18.21	16.09	17.35	16.51	17.71	18.10
	8H	16.23	17.43	16.66	17.81	18.21	16.12	17.32	16.55	17.71	18.11
	12H	16.23	17.37	16.66	17.76	18.18	16.12	17.27	16.55	17.65	18.08
4H	2H	14.54	15.90	14.94	16.24	16.62	14.48	15.84	14.88	16.19	16.56
	3H	16.23	17.36	16.64	17.76	18.16	16.15	17.27	16.56	17.67	18.07
	4H	16.78	17.79	17.21	18.21	18.64	16.68	17.69	17.11	18.11	18.54
	6H	17.08	17.96	17.53	18.40	18.86	16.98	17.87	17.44	18.31	18.76
	8H	17.13	17.95	17.59	18.40	18.86	17.03	17.85	17.49	18.30	18.76
	12H	17.14	17.88	17.62	18.35	18.82	17.04	17.78	17.52	18.25	18.72
8H	4H	16.95	17.77	17.41	18.22	18.68	16.86	17.68	17.32	18.12	18.59
	6H	17.30	17.98	17.79	18.47	18.95	17.21	17.89	17.71	18.38	18.86
	8H	17.37	17.98	17.88	18.49	18.98	17.28	17.89	17.79	18.40	18.89
	12H	17.40	17.94	17.91	18.43	18.99	17.31	17.85	17.82	18.34	18.90
12H	4H	16.95	17.68	17.43	18.16	18.63	16.86	17.59	17.34	18.07	18.54
	6H	17.29	17.90	17.80	18.41	18.90	17.21	17.82	17.72	18.33	18.81
	8H	17.40	17.94	17.91	18.43	18.99	17.31	17.85	17.82	18.34	18.90