

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: P997376

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997376
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-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

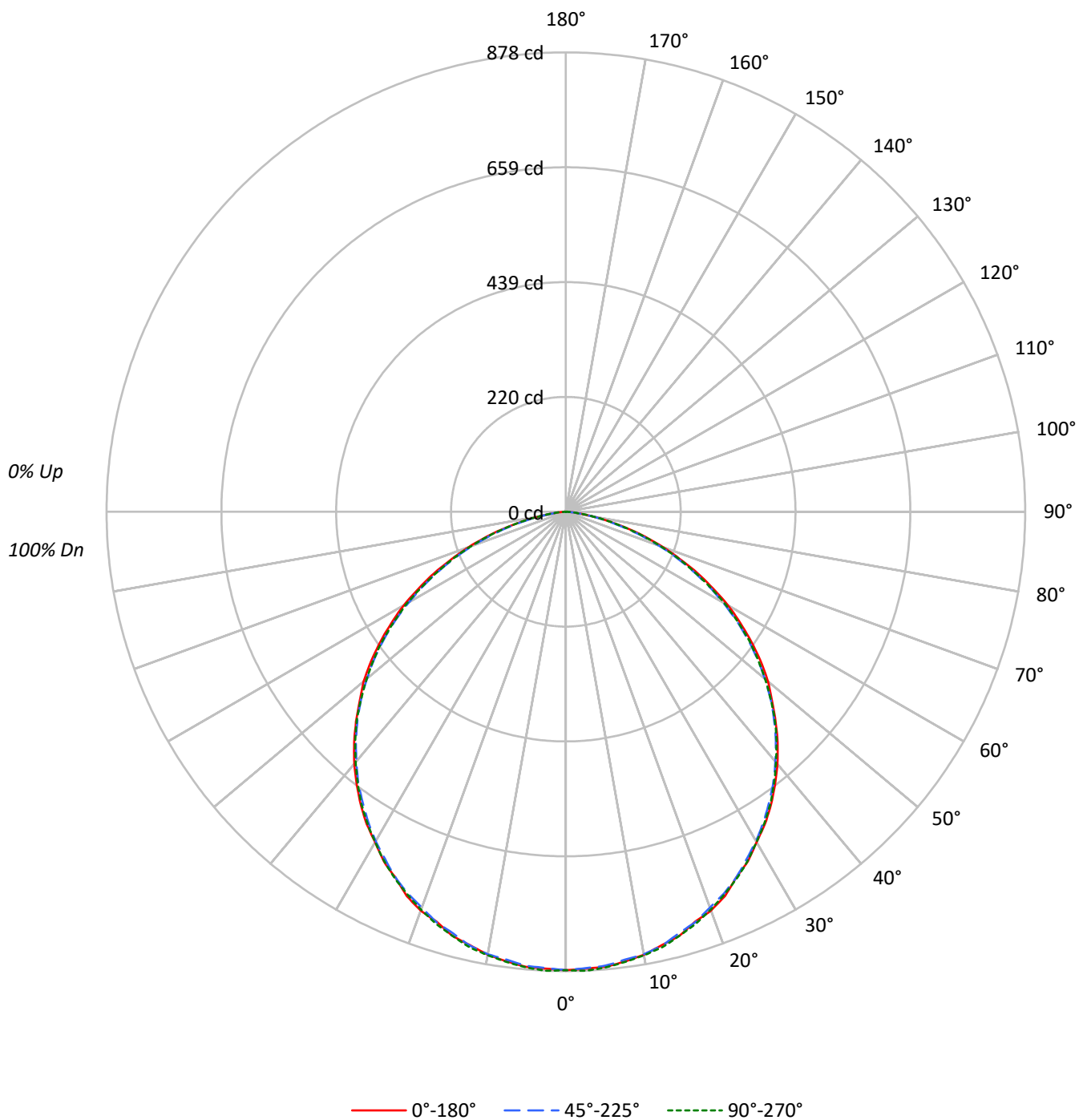
Lumens per Lamp: N/A
Luminaire Lumens: 2326.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 24.1
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°	2871	2871	2871
5°	2871	2864	2875
10°	2860	2857	2863
15°	2846	2829	2846
20°	2829	2807	2822
25°	2788	2788	2795
30°	2758	2750	2758
35°	2734	2710	2726
40°	2690	2664	2673
45°	2628	2609	2619
50°	2571	2529	2534
55°	2470	2423	2440
60°	2348	2273	2301
65°	2155	2075	2091
70°	1894	1814	1844
75°	1524	1433	1486
80°	1030	972	1030
85°	466	425	466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2628 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	3.6
10°-20°	236.2	10.2
20°-30°	355.4	15.3
30°-40°	425.1	18.3
40°-50°	434.8	18.7
50°-60°	380.2	16.3
60°-70°	267.4	11.5
70°-80°	124.7	5.4
80°-90°	19.4	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°	674.3	29.0
0°-40°	1099.4	47.3
0°-60°	1914.5	82.3
0°-90°	2326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2326.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	873	870	871	869	874	83
15°	839	838	834	836	839	236
25°	771	772	771	770	773	356
35°	684	682	677	677	682	427
45°	567	565	563	563	565	438
55°	432	428	424	422	427	386
65°	278	273	268	267	270	274
75°	120	117	113	114	117	129
85°	12	11	11	12	12	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	876.1	876.1	876.1	876.1	876.1
2.5°	874.0	876.1	873.0	872.0	878.1
5°	873.0	869.9	870.9	868.9	874.0
7.5°	866.8	866.8	863.7	864.8	867.8
10°	859.6	857.6	858.6	858.6	860.6
12.5°	848.3	850.3	849.3	849.3	852.4
15°	839.0	838.0	833.9	835.9	839.0
17.5°	821.5	824.6	822.5	822.5	825.6
20°	811.2	809.2	805.0	807.1	809.2
22.5°	794.8	792.7	789.6	790.6	791.7
25°	771.1	772.1	771.1	770.0	773.1
27.5°	753.6	750.5	748.4	748.4	752.5
30°	728.9	730.9	726.8	726.8	728.9
32.5°	708.3	707.2	703.1	704.2	706.2
35°	683.6	682.5	677.4	677.4	681.5
37.5°	656.8	654.7	651.7	649.6	653.7
40°	629.0	629.0	622.8	620.8	624.9
42.5°	599.2	595.0	594.0	595.0	596.1
45°	567.2	565.2	563.1	563.1	565.2
47.5°	534.3	533.3	531.2	529.1	531.2
50°	504.4	498.3	496.2	496.2	497.2
52.5°	469.4	463.3	461.2	459.1	462.2
55°	432.4	428.3	424.1	422.1	427.2
57.5°	395.3	390.2	386.1	387.1	388.1
60°	358.3	351.1	346.9	345.9	351.1
62.5°	317.1	313.0	307.8	307.8	309.9
65°	278.0	272.8	267.7	266.6	269.7
67.5°	235.7	233.7	228.5	226.5	232.7
70°	197.7	191.5	189.4	187.4	192.5
72.5°	158.5	152.4	150.3	151.3	155.5
75°	120.4	117.4	113.2	114.3	117.4
77.5°	85.4	83.4	80.3	82.4	85.4
80°	54.6	53.5	51.5	52.5	54.6
82.5°	31.9	30.9	28.8	29.9	29.9
85°	12.4	11.3	11.3	12.4	12.4
87.5°	3.1	3.1	3.1	2.1	3.1
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	15.29	16.89	15.65	17.21	17.52	15.22	16.82	15.58	17.13	17.45
	3H	16.80	18.25	17.18	18.57	18.93	16.70	18.14	17.08	18.47	18.83
	4H	17.26	18.61	17.65	18.96	19.33	17.15	18.50	17.54	18.85	19.22
	6H	17.48	18.73	17.89	19.10	19.49	17.37	18.63	17.79	18.99	19.38
	8H	17.51	18.71	17.94	19.10	19.49	17.40	18.60	17.83	18.99	19.39
	12H	17.51	18.65	17.94	19.04	19.46	17.40	18.55	17.83	18.93	19.36
4H	2H	15.82	17.18	16.22	17.52	17.90	15.76	17.12	16.16	17.47	17.84
	3H	17.51	18.64	17.92	19.04	19.44	17.43	18.55	17.84	18.95	19.35
	4H	18.06	19.07	18.49	19.49	19.92	17.96	18.97	18.39	19.39	19.82
	6H	18.36	19.24	18.81	19.68	20.14	18.26	19.15	18.72	19.59	20.05
	8H	18.41	19.23	18.87	19.68	20.14	18.31	19.13	18.77	19.58	20.04
	12H	18.42	19.16	18.90	19.63	20.10	18.32	19.06	18.80	19.54	20.01
8H	4H	18.23	19.05	18.69	19.50	19.96	18.14	18.96	18.60	19.40	19.87
	6H	18.58	19.26	19.07	19.75	20.23	18.49	19.17	18.99	19.66	20.14
	8H	18.65	19.26	19.17	19.77	20.26	18.56	19.17	19.07	19.68	20.17
	12H	18.68	19.22	19.19	19.71	20.27	18.59	19.13	19.10	19.62	20.18
12H	4H	18.23	18.96	18.71	19.44	19.91	18.14	18.87	18.62	19.35	19.82
	6H	18.57	19.18	19.08	19.69	20.18	18.49	19.10	19.00	19.61	20.09
	8H	18.68	19.22	19.19	19.71	20.27	18.59	19.13	19.10	19.62	20.18