

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: P997373

Luminaire Tested: FSP-22-L3C3-CP375-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997373
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-CP375-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

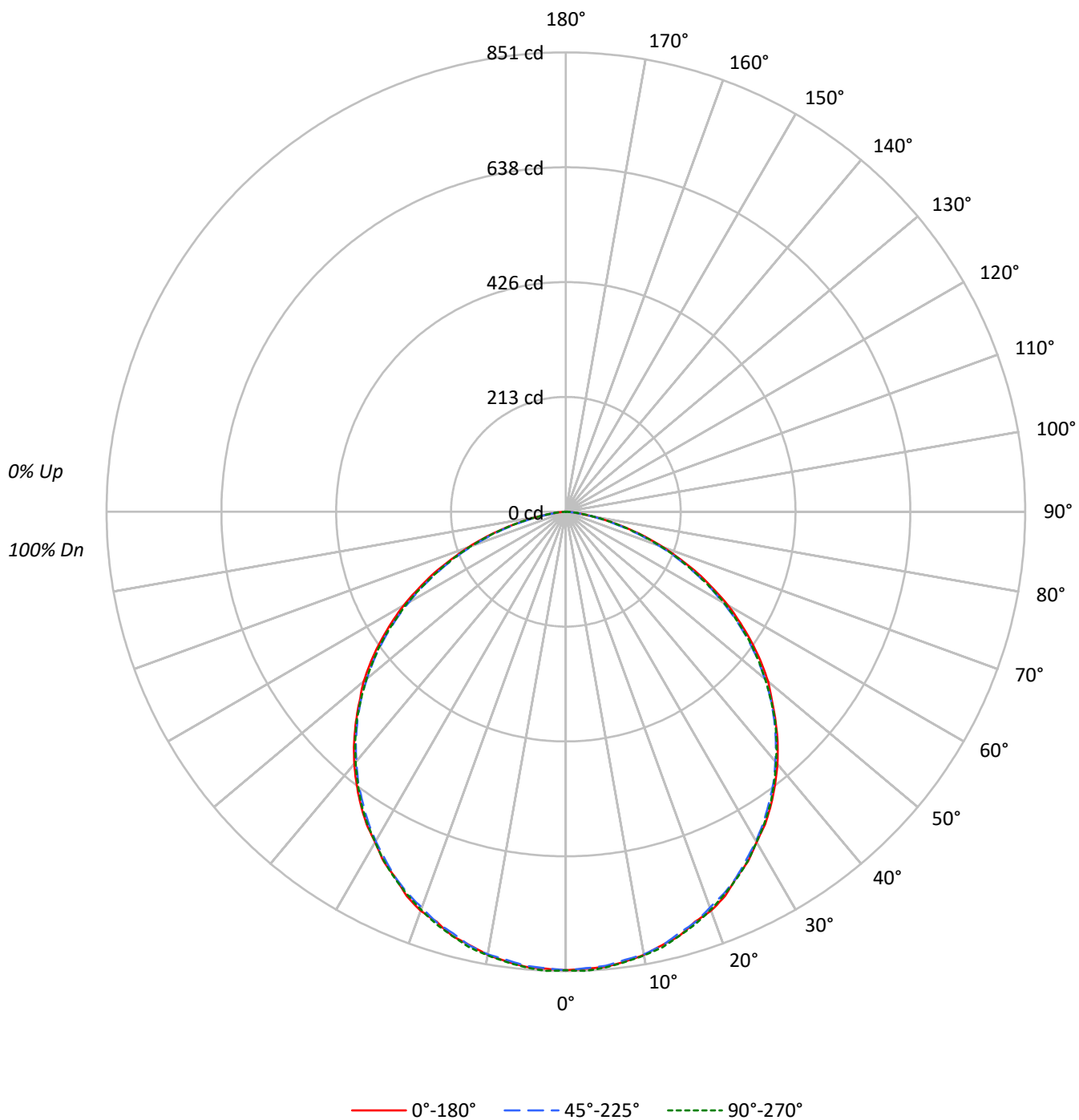
Lumens per Lamp: N/A
Luminaire Lumens: 2255.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2783	2783	2783
5°	2784	2777	2787
10°	2773	2769	2776
15°	2759	2742	2759
20°	2742	2721	2735
25°	2702	2702	2710
30°	2673	2666	2673
35°	2651	2627	2643
40°	2608	2583	2591
45°	2548	2530	2539
50°	2493	2452	2457
55°	2395	2349	2366
60°	2276	2204	2230
65°	2089	2012	2027
70°	1836	1759	1788
75°	1479	1390	1441
80°	998	942	998
85°	451	414	451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	3.6
10°-20°	229.0	10.2
20°-30°	344.6	15.3
30°-40°	412.1	18.3
40°-50°	421.6	18.7
50°-60°	368.6	16.3
60°-70°	259.3	11.5
70°-80°	120.9	5.4
80°-90°	18.8	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°	653.8	29.0
0°-40°	1065.9	47.3
0°-60°	1856.1	82.3
0°-90°	2255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	846	843	844	842	847	80
15°	813	812	808	810	813	229
25°	748	748	748	746	750	346
35°	663	662	657	657	661	414
45°	550	548	546	546	548	424
55°	419	415	411	409	414	375
65°	270	264	260	258	262	266
75°	117	114	110	111	114	125
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°	849.3	849.3	849.3	849.3	849.3
2.5°	847.3	849.3	846.3	845.3	851.3
5°	846.3	843.4	844.3	842.4	847.3
7.5°	840.4	840.4	837.4	838.4	841.4
10°	833.4	831.4	832.4	832.4	834.4
12.5°	822.4	824.4	823.4	823.4	826.4
15°	813.4	812.4	808.4	810.4	813.4
17.5°	796.4	799.4	797.4	797.4	800.4
20°	786.5	784.5	780.5	782.5	784.5
22.5°	770.5	768.5	765.5	766.5	767.5
25°	747.5	748.5	747.5	746.5	749.5
27.5°	730.6	727.6	725.6	725.6	729.6
30°	706.6	708.6	704.6	704.6	706.6
32.5°	686.7	685.7	681.7	682.7	684.7
35°	662.7	661.7	656.7	656.7	660.7
37.5°	636.8	634.8	631.8	629.8	633.8
40°	609.8	609.8	603.8	601.8	605.8
42.5°	580.9	576.9	575.9	576.9	577.9
45°	549.9	547.9	545.9	545.9	547.9
47.5°	518.0	517.0	515.0	513.0	515.0
50°	489.0	483.1	481.1	481.1	482.1
52.5°	455.1	449.1	447.1	445.1	448.1
55°	419.2	415.2	411.2	409.2	414.2
57.5°	383.3	378.3	374.3	375.3	376.3
60°	347.3	340.3	336.3	335.3	340.3
62.5°	307.4	303.4	298.4	298.4	300.4
65°	269.5	264.5	259.5	258.5	261.5
67.5°	228.6	226.6	221.6	219.6	225.6
70°	191.6	185.6	183.6	181.6	186.6
72.5°	153.7	147.7	145.7	146.7	150.7
75°	116.8	113.8	109.8	110.8	113.8
77.5°	82.8	80.8	77.8	79.8	82.8
80°	52.9	51.9	49.9	50.9	52.9
82.5°	30.9	29.9	27.9	28.9	28.9
85°	12.0	11.0	11.0	12.0	12.0
87.5°	3.0	3.0	3.0	2.0	3.0
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	15.18	16.78	15.55	17.10	17.41	15.11	16.71	15.47	17.03	17.34
	3H	16.70	18.14	17.07	18.47	18.83	16.59	18.03	16.97	18.36	18.72
	4H	17.15	18.50	17.55	18.85	19.23	17.04	18.39	17.44	18.74	19.12
	6H	17.37	18.62	17.78	18.99	19.38	17.27	18.52	17.68	18.88	19.28
	8H	17.40	18.60	17.83	18.99	19.39	17.30	18.49	17.72	18.88	19.28
	12H	17.40	18.55	17.83	18.93	19.36	17.29	18.44	17.72	18.82	19.25
4H	2H	15.71	17.07	16.11	17.42	17.79	15.66	17.01	16.05	17.36	17.74
	3H	17.41	18.53	17.82	18.93	19.33	17.32	18.45	17.73	18.84	19.24
	4H	17.95	18.97	18.38	19.38	19.82	17.85	18.87	18.28	19.28	19.72
	6H	18.25	19.13	18.71	19.58	20.03	18.16	19.04	18.61	19.48	19.94
	8H	18.30	19.12	18.76	19.57	20.03	18.20	19.03	18.66	19.47	19.94
	12H	18.31	19.05	18.79	19.53	20.00	18.21	18.95	18.69	19.43	19.90
8H	4H	18.12	18.94	18.58	19.39	19.85	18.03	18.85	18.49	19.30	19.76
	6H	18.47	19.15	18.97	19.64	20.12	18.38	19.06	18.88	19.55	20.03
	8H	18.55	19.15	19.06	19.66	20.15	18.45	19.06	18.96	19.57	20.06
	12H	18.58	19.11	19.08	19.60	20.17	18.48	19.02	18.99	19.51	20.07
12H	4H	18.12	18.86	18.60	19.33	19.80	18.03	18.77	18.51	19.24	19.71
	6H	18.47	19.08	18.98	19.58	20.07	18.38	18.99	18.89	19.50	19.98
	8H	18.57	19.11	19.08	19.60	20.16	18.48	19.02	18.99	19.51	20.07