

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: P997378

Luminaire Tested: FSP-22-L3C3-CP375-4000K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997378
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-CP375-4000K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

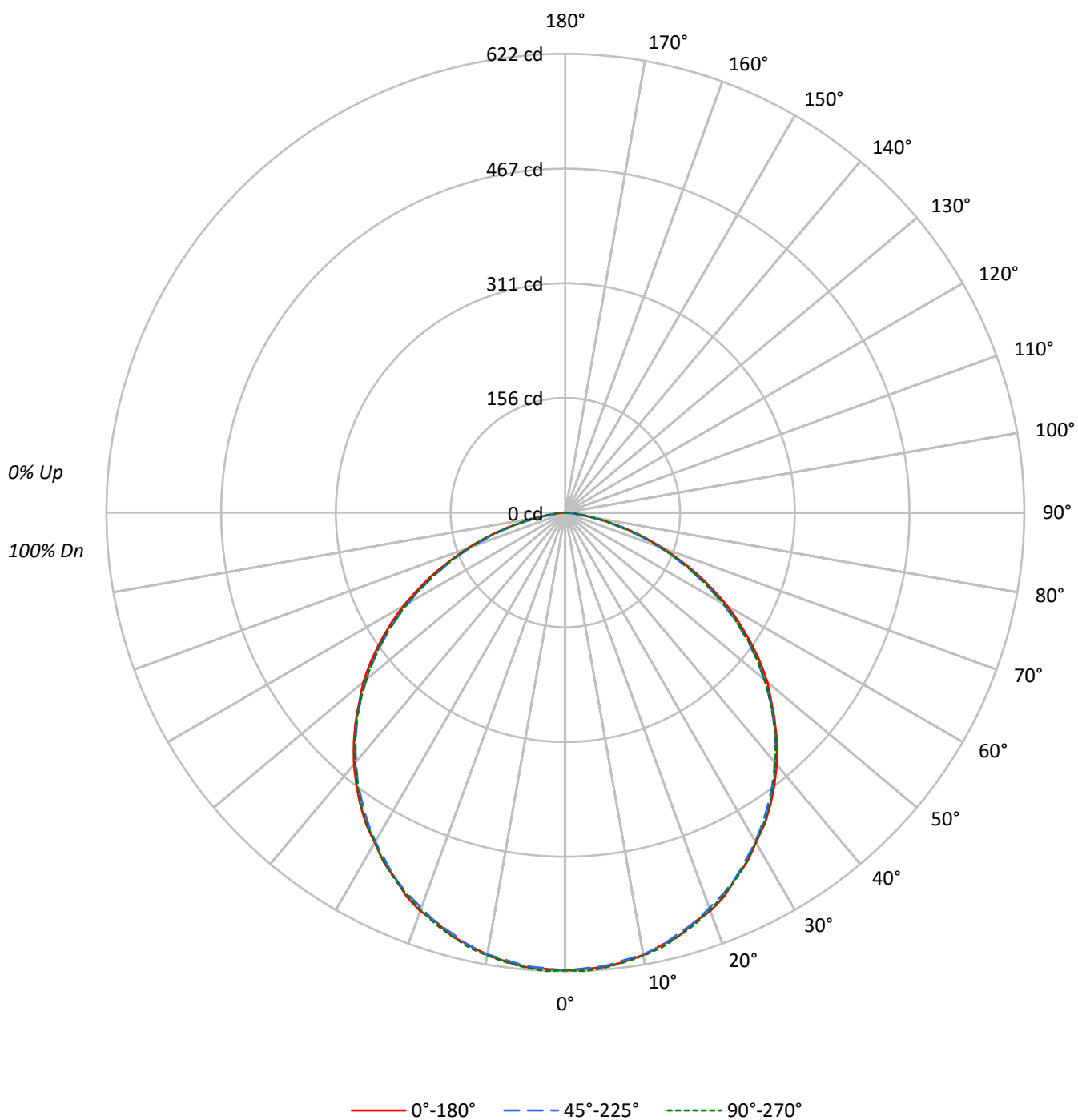
Lumens per Lamp: N/A
Luminaire Lumens: 1648.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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°	2034	2034	2034
5°	2034	2030	2037
10°	2026	2024	2029
15°	2017	2004	2017
20°	2004	1989	1999
25°	1975	1975	1980
30°	1954	1948	1954
35°	1937	1920	1932
40°	1906	1888	1894
45°	1862	1849	1855
50°	1822	1792	1796
55°	1750	1717	1729
60°	1663	1611	1630
65°	1527	1470	1482
70°	1341	1286	1307
75°	1080	1015	1053
80°	730	689	730
85°	331	301	331

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	3.6
10°-20°	167.3	10.2
20°-30°	251.8	15.3
30°-40°	301.2	18.3
40°-50°	308.1	18.7
50°-60°	269.4	16.3
60°-70°	189.5	11.5
70°-80°	88.4	5.4
80°-90°	13.7	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°	477.8	29.0
0°-40°	779.0	47.3
0°-60°	1356.5	82.3
0°-90°	1648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1648.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	621	621	621	621	621	
5°	618	616	617	616	619	59
15°	594	594	591	592	594	167
25°	546	547	546	546	548	253
35°	484	484	480	480	483	303
45°	402	400	399	399	400	310
55°	306	303	300	299	303	274
65°	197	193	190	189	191	194
75°	85	83	80	81	83	91
85°	9	8	8	9	9	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	620.7	620.7	620.7	620.7	620.7
2.5°	619.3	620.7	618.5	617.8	622.2
5°	618.5	616.3	617.1	615.6	619.3
7.5°	614.2	614.2	612.0	612.7	614.9
10°	609.0	607.6	608.3	608.3	609.8
12.5°	601.0	602.5	601.8	601.8	603.9
15°	594.5	593.7	590.8	592.3	594.5
17.5°	582.1	584.2	582.8	582.8	585.0
20°	574.8	573.3	570.4	571.8	573.3
22.5°	563.1	561.6	559.4	560.2	560.9
25°	546.3	547.0	546.3	545.6	547.8
27.5°	533.9	531.7	530.3	530.3	533.2
30°	516.4	517.9	515.0	515.0	516.4
32.5°	501.8	501.1	498.2	498.9	500.4
35°	484.3	483.6	479.9	479.9	482.9
37.5°	465.4	463.9	461.7	460.2	463.2
40°	445.7	445.7	441.3	439.8	442.7
42.5°	424.5	421.6	420.9	421.6	422.3
45°	401.9	400.4	399.0	399.0	400.4
47.5°	378.6	377.8	376.4	374.9	376.4
50°	357.4	353.0	351.6	351.6	352.3
52.5°	332.6	328.2	326.8	325.3	327.5
55°	306.3	303.4	300.5	299.1	302.7
57.5°	280.1	276.4	273.5	274.3	275.0
60°	253.8	248.7	245.8	245.1	248.7
62.5°	224.7	221.7	218.1	218.1	219.5
65°	196.9	193.3	189.6	188.9	191.1
67.5°	167.0	165.6	161.9	160.5	164.8
70°	140.0	135.7	134.2	132.7	136.4
72.5°	112.3	108.0	106.5	107.2	110.1
75°	85.3	83.2	80.2	81.0	83.2
77.5°	60.5	59.1	56.9	58.4	60.5
80°	38.7	37.9	36.5	37.2	38.7
82.5°	22.6	21.9	20.4	21.2	21.2
85°	8.8	8.0	8.0	8.8	8.8
87.5°	2.2	2.2	2.2	1.5	2.2
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	14.09	15.69	14.46	16.01	16.32	14.02	15.62	14.39	15.94	16.25
	3H	15.61	17.05	15.98	17.37	17.74	15.50	16.94	15.88	17.27	17.63
	4H	16.06	17.41	16.46	17.76	18.14	15.95	17.30	16.35	17.65	18.03
	6H	16.28	17.53	16.69	17.90	18.29	16.18	17.43	16.59	17.80	18.19
	8H	16.31	17.51	16.74	17.90	18.30	16.21	17.40	16.63	17.79	18.19
	12H	16.31	17.46	16.74	17.84	18.27	16.21	17.35	16.64	17.73	18.16
4H	2H	14.62	15.98	15.02	16.33	16.70	14.57	15.92	14.97	16.27	16.65
	3H	16.32	17.44	16.73	17.84	18.24	16.23	17.36	16.64	17.75	18.15
	4H	16.86	17.88	17.29	18.29	18.73	16.76	17.78	17.19	18.19	18.63
	6H	17.16	18.04	17.62	18.49	18.94	17.07	17.95	17.52	18.39	18.85
	8H	17.21	18.04	17.67	18.48	18.94	17.11	17.94	17.57	18.38	18.85
	12H	17.22	17.96	17.70	18.44	18.91	17.12	17.86	17.60	18.34	18.81
8H	4H	17.03	17.85	17.49	18.30	18.76	16.94	17.76	17.40	18.21	18.67
	6H	17.38	18.06	17.88	18.55	19.03	17.30	17.98	17.79	18.47	18.94
	8H	17.46	18.07	17.97	18.57	19.06	17.36	17.97	17.88	18.48	18.97
	12H	17.49	18.02	17.99	18.51	19.08	17.39	17.93	17.90	18.42	18.99
12H	4H	17.03	17.77	17.51	18.24	18.71	16.94	17.68	17.42	18.15	18.62
	6H	17.38	17.99	17.89	18.49	18.98	17.29	17.90	17.80	18.41	18.90
	8H	17.48	18.02	17.99	18.51	19.07	17.39	17.93	17.90	18.42	18.98