

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: P997372

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997372
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-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

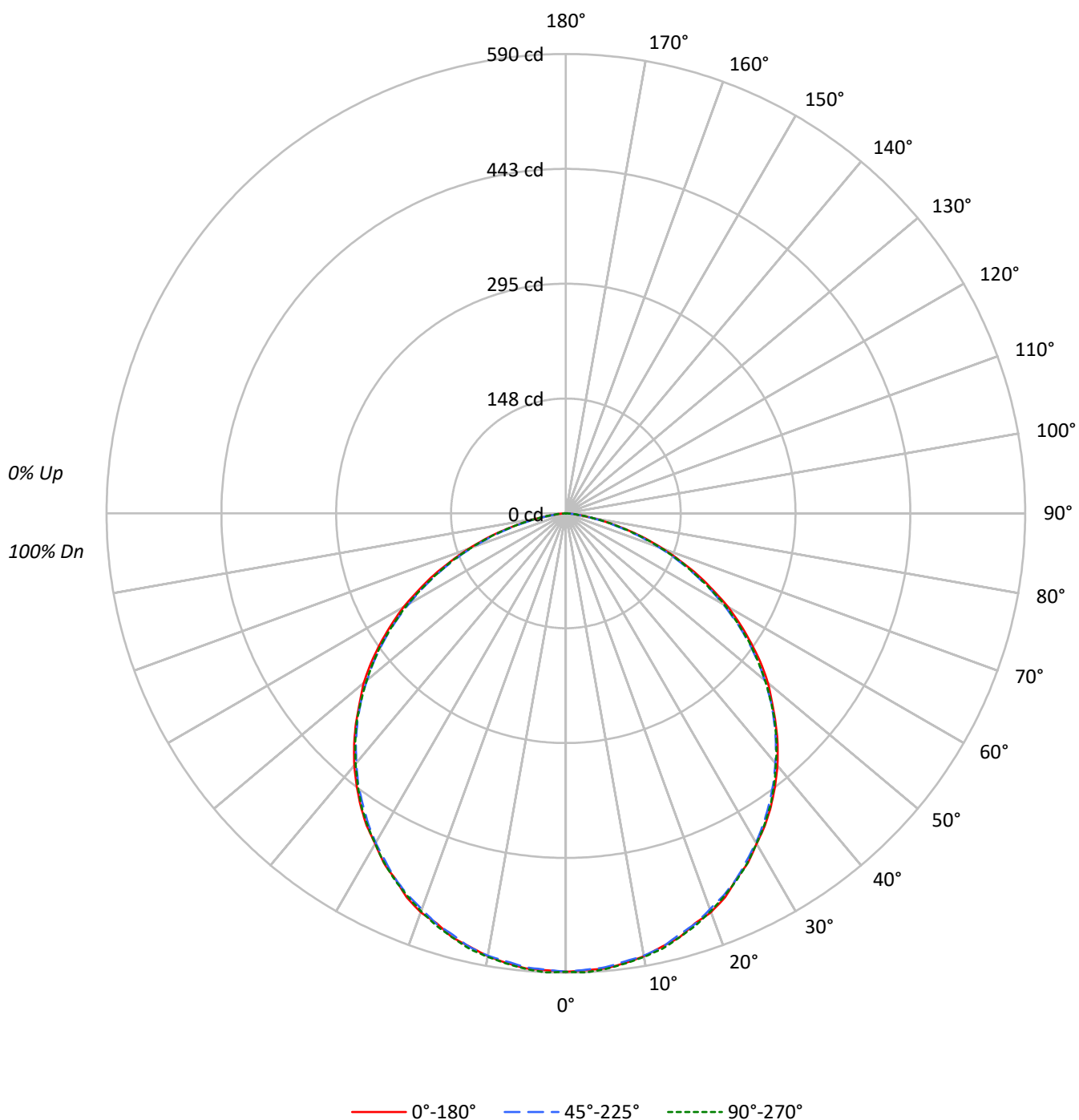
Lumens per Lamp: N/A
Luminaire Lumens: 1563.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

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°	1929	1929	1929
5°	1929	1925	1932
10°	1922	1919	1924
15°	1912	1901	1912
20°	1901	1886	1896
25°	1873	1873	1878
30°	1853	1848	1853
35°	1837	1821	1832
40°	1808	1790	1796
45°	1766	1753	1760
50°	1728	1699	1703
55°	1659	1628	1640
60°	1577	1528	1546
65°	1448	1395	1405
70°	1272	1220	1240
75°	1024	963	999
80°	692	653	692
85°	312	286	312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	3.6
10°-20°	158.7	10.2
20°-30°	238.8	15.3
30°-40°	285.7	18.3
40°-50°	292.2	18.7
50°-60°	255.5	16.3
60°-70°	179.7	11.5
70°-80°	83.8	5.4
80°-90°	13.0	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°	453.1	29.0
0°-40°	738.8	47.3
0°-60°	1286.5	82.3
0°-90°	1563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	589	589	589	589	589	
5°	587	584	585	584	587	56
15°	564	563	560	562	564	159
25°	518	519	518	517	520	239
35°	459	459	455	455	458	287
45°	381	380	378	378	380	294
55°	290	288	285	284	287	260
65°	187	183	180	179	181	184
75°	81	79	76	77	79	87
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°	588.7	588.7	588.7	588.7	588.7
2.5°	587.3	588.7	586.6	585.9	590.1
5°	586.6	584.5	585.2	583.9	587.3
7.5°	582.5	582.5	580.4	581.1	583.2
10°	577.6	576.2	576.9	576.9	578.3
12.5°	570.0	571.4	570.7	570.7	572.8
15°	563.8	563.1	560.3	561.7	563.8
17.5°	552.0	554.1	552.7	552.7	554.8
20°	545.1	543.7	541.0	542.4	543.7
22.5°	534.0	532.7	530.6	531.3	532.0
25°	518.1	518.8	518.1	517.4	519.5
27.5°	506.4	504.3	502.9	502.9	505.7
30°	489.8	491.2	488.4	488.4	489.8
32.5°	475.9	475.2	472.5	473.2	474.6
35°	459.3	458.6	455.2	455.2	458.0
37.5°	441.4	440.0	437.9	436.5	439.3
40°	422.7	422.7	418.5	417.1	419.9
42.5°	402.6	399.8	399.2	399.8	400.5
45°	381.2	379.8	378.4	378.4	379.8
47.5°	359.0	358.3	357.0	355.6	357.0
50°	339.0	334.8	333.4	333.4	334.1
52.5°	315.4	311.3	309.9	308.5	310.6
55°	290.5	287.8	285.0	283.6	287.1
57.5°	265.6	262.2	259.4	260.1	260.8
60°	240.7	235.9	233.1	232.4	235.9
62.5°	213.1	210.3	206.8	206.8	208.2
65°	186.8	183.3	179.9	179.2	181.2
67.5°	158.4	157.0	153.6	152.2	156.3
70°	132.8	128.7	127.3	125.9	129.4
72.5°	106.5	102.4	101.0	101.7	104.5
75°	80.9	78.9	76.1	76.8	78.9
77.5°	57.4	56.0	54.0	55.3	57.4
80°	36.7	36.0	34.6	35.3	36.7
82.5°	21.4	20.8	19.4	20.1	20.1
85°	8.3	7.6	7.6	8.3	8.3
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	13.91	15.51	14.27	15.82	16.14	13.84	15.44	14.20	15.75	16.07
	3H	15.42	16.86	15.80	17.19	17.55	15.32	16.76	15.69	17.09	17.45
	4H	15.87	17.23	16.27	17.58	17.95	15.76	17.12	16.16	17.47	17.84
	6H	16.10	17.35	16.51	17.72	18.11	15.99	17.25	16.40	17.61	18.00
	8H	16.13	17.32	16.55	17.71	18.11	16.02	17.22	16.45	17.61	18.01
	12H	16.13	17.27	16.56	17.65	18.08	16.02	17.16	16.45	17.55	17.98
4H	2H	14.44	15.80	14.84	16.14	16.52	14.38	15.74	14.78	16.09	16.46
	3H	16.13	17.26	16.54	17.66	18.06	16.04	17.17	16.45	17.57	17.97
	4H	16.68	17.69	17.11	18.11	18.54	16.58	17.59	17.01	18.01	18.44
	6H	16.98	17.86	17.43	18.30	18.76	16.88	17.77	17.34	18.21	18.66
	8H	17.03	17.85	17.49	18.29	18.76	16.93	17.75	17.39	18.20	18.66
	12H	17.04	17.78	17.52	18.25	18.72	16.94	17.68	17.42	18.15	18.62
8H	4H	16.85	17.67	17.31	18.11	18.58	16.76	17.58	17.22	18.02	18.49
	6H	17.20	17.88	17.69	18.37	18.84	17.11	17.79	17.61	18.28	18.76
	8H	17.27	17.88	17.78	18.39	18.88	17.18	17.79	17.69	18.30	18.78
	12H	17.30	17.84	17.81	18.33	18.89	17.21	17.75	17.72	18.24	18.80
12H	4H	16.84	17.58	17.33	18.06	18.53	16.75	17.49	17.24	17.97	18.44
	6H	17.19	17.80	17.70	18.31	18.80	17.11	17.72	17.62	18.23	18.71
	8H	17.30	17.84	17.81	18.33	18.89	17.21	17.75	17.72	18.24	18.80