

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: P997353

Luminaire Tested: FSP-22-L3C3-CP187-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP187-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

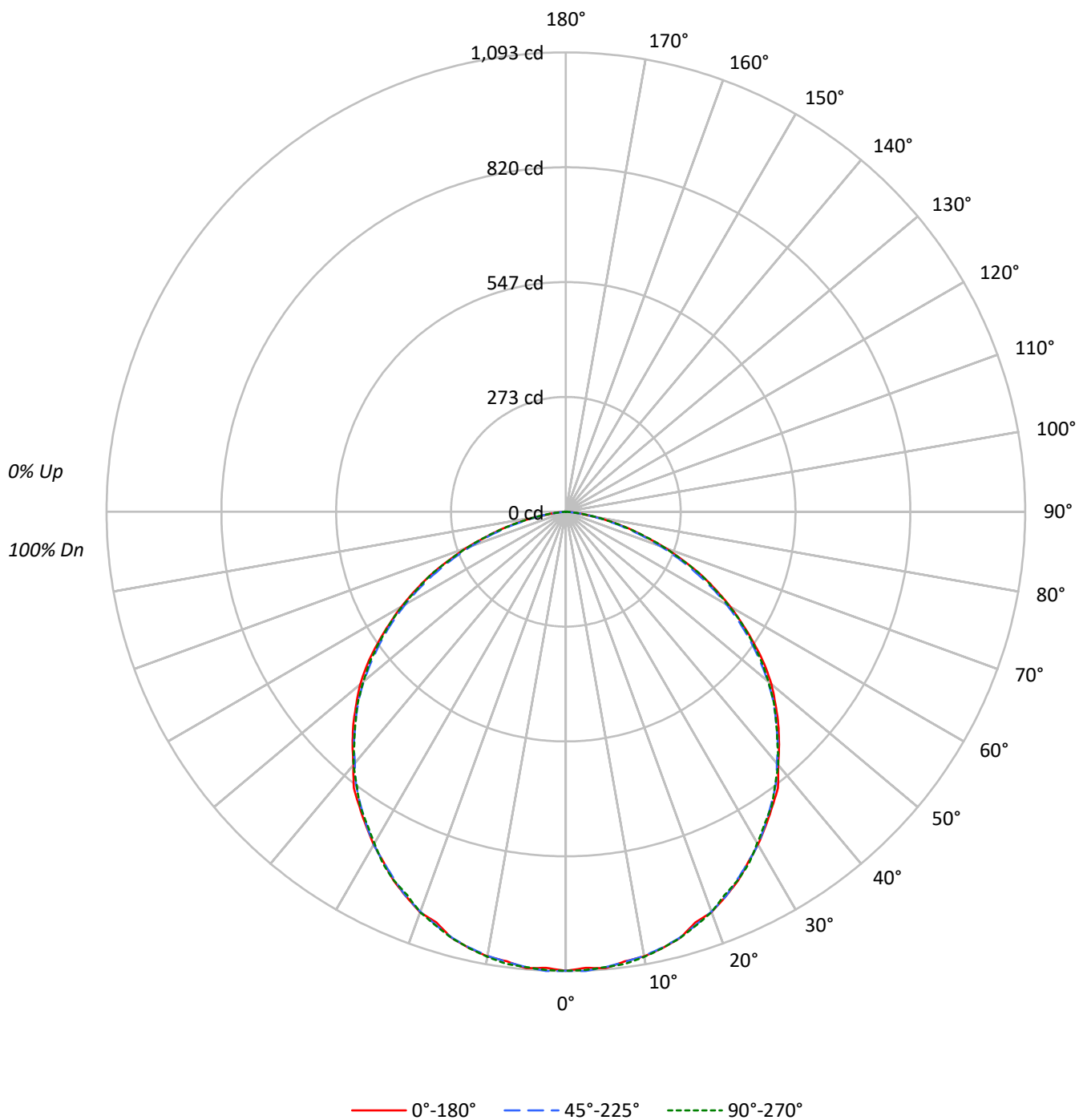
Lumens per Lamp: N/A
Luminaire Lumens: 2938.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.4
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	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	38	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	27	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3579	3579	3579
5°	3584	3577	3577
10°	3574	3570	3578
15°	3561	3557	3561
20°	3534	3530	3534
25°	3503	3489	3498
30°	3460	3460	3446
35°	3426	3406	3416
40°	3363	3342	3363
45°	3313	3279	3279
50°	3256	3200	3206
55°	3123	3068	3096
60°	2965	2893	2940
65°	2748	2635	2748
70°	2410	2294	2399
75°	1975	1837	1929
80°	1347	1277	1370
85°	590	635	635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3313 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	3.5
10°-20°	295.8	10.1
20°-30°	445.5	15.2
30°-40°	533.7	18.2
40°-50°	547.9	18.6
50°-60°	482.6	16.4
60°-70°	342.4	11.7
70°-80°	161.3	5.5
80°-90°	25.5	0.9
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°	844.7	28.8
0°-40°	1378.4	46.9
0°-60°	2408.8	82.0
0°-90°	2938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1092	1092	1092	1092	1092	
5°	1090	1092	1087	1087	1087	103
15°	1050	1048	1049	1049	1050	295
25°	969	969	965	968	968	446
35°	856	854	852	852	854	536
45°	715	712	708	711	708	551
55°	547	542	537	541	542	489
65°	354	345	340	348	354	349
75°	156	149	145	152	152	165
85°	16	16	17	17	17	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1092.2	1092.2	1092.2	1092.2	1092.2
2.5°	1086.2	1094.7	1093.4	1091.0	1091.0
5°	1089.8	1092.2	1087.4	1087.4	1087.4
7.5°	1078.9	1083.8	1080.1	1080.1	1085.0
10°	1074.1	1076.5	1072.9	1072.9	1075.3
12.5°	1063.2	1064.4	1062.0	1062.0	1063.2
15°	1049.9	1047.5	1048.7	1048.7	1049.9
17.5°	1024.5	1034.2	1030.5	1034.2	1031.8
20°	1013.6	1014.8	1012.4	1011.2	1013.6
22.5°	991.8	988.2	991.8	989.4	987.0
25°	968.9	968.9	965.2	967.7	967.7
27.5°	939.8	941.0	939.8	939.8	943.5
30°	914.4	914.4	914.4	913.2	910.8
32.5°	885.4	885.4	883.0	884.2	880.6
35°	856.4	854.0	851.5	851.5	854.0
37.5°	828.6	823.7	820.1	820.1	817.7
40°	786.2	788.6	781.4	782.6	786.2
42.5°	751.1	751.1	746.3	749.9	745.1
45°	714.9	712.4	707.6	711.2	707.6
47.5°	676.1	672.5	670.1	668.9	671.3
50°	638.7	630.2	627.8	629.0	629.0
52.5°	595.1	586.6	581.8	585.4	587.8
55°	546.7	541.9	537.0	540.7	541.9
57.5°	498.3	493.5	489.9	492.3	497.1
60°	452.4	445.1	441.5	446.3	448.7
62.5°	402.8	395.5	391.9	399.2	397.9
65°	354.4	344.7	339.9	348.4	354.4
67.5°	301.2	295.1	289.1	297.6	298.8
70°	251.6	241.9	239.5	250.4	250.4
72.5°	199.6	195.9	191.1	199.6	202.0
75°	156.0	148.8	145.1	152.4	152.4
77.5°	110.1	106.4	104.0	110.1	112.5
80°	71.4	67.7	67.7	70.2	72.6
82.5°	38.7	38.7	37.5	39.9	41.1
85°	15.7	15.7	16.9	16.9	16.9
87.5°	3.6	3.6	3.6	3.6	3.6
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	16.10	17.71	16.46	18.02	18.34	16.08	17.69	16.45	18.01	18.32
	3H	17.63	19.07	18.00	19.40	19.76	17.63	19.08	18.01	19.41	19.77
	4H	18.09	19.45	18.49	19.80	20.17	18.09	19.45	18.49	19.80	20.18
	6H	18.32	19.58	18.73	19.94	20.33	18.34	19.60	18.75	19.96	20.35
	8H	18.35	19.55	18.78	19.94	20.34	18.38	19.58	18.80	19.96	20.36
	12H	18.35	19.50	18.78	19.88	20.31	18.38	19.53	18.81	19.91	20.34
4H	2H	16.64	18.00	17.04	18.35	18.72	16.63	17.99	17.03	18.33	18.71
	3H	18.34	19.47	18.75	19.87	20.27	18.36	19.49	18.77	19.89	20.29
	4H	18.89	19.91	19.32	20.33	20.76	18.92	19.94	19.35	20.35	20.79
	6H	19.20	20.09	19.66	20.53	20.99	19.25	20.13	19.70	20.57	21.03
	8H	19.25	20.08	19.71	20.52	20.99	19.30	20.13	19.76	20.57	21.04
	12H	19.26	20.00	19.74	20.48	20.95	19.31	20.06	19.79	20.53	21.00
8H	4H	19.07	19.90	19.53	20.34	20.81	19.10	19.93	19.56	20.37	20.83
	6H	19.43	20.12	19.93	20.61	21.08	19.48	20.16	19.97	20.65	21.13
	8H	19.51	20.12	20.02	20.63	21.11	19.56	20.17	20.07	20.68	21.16
	12H	19.54	20.08	20.04	20.57	21.13	19.59	20.13	20.10	20.62	21.18
12H	4H	19.07	19.82	19.55	20.29	20.76	19.10	19.84	19.58	20.31	20.78
	6H	19.43	20.05	19.94	20.55	21.04	19.47	20.09	19.98	20.59	21.08
	8H	19.53	20.07	20.04	20.57	21.13	19.58	20.12	20.09	20.61	21.18