

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: P997292

Luminaire Tested: FSP-14-L3C3-CP125-3000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP125-3000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

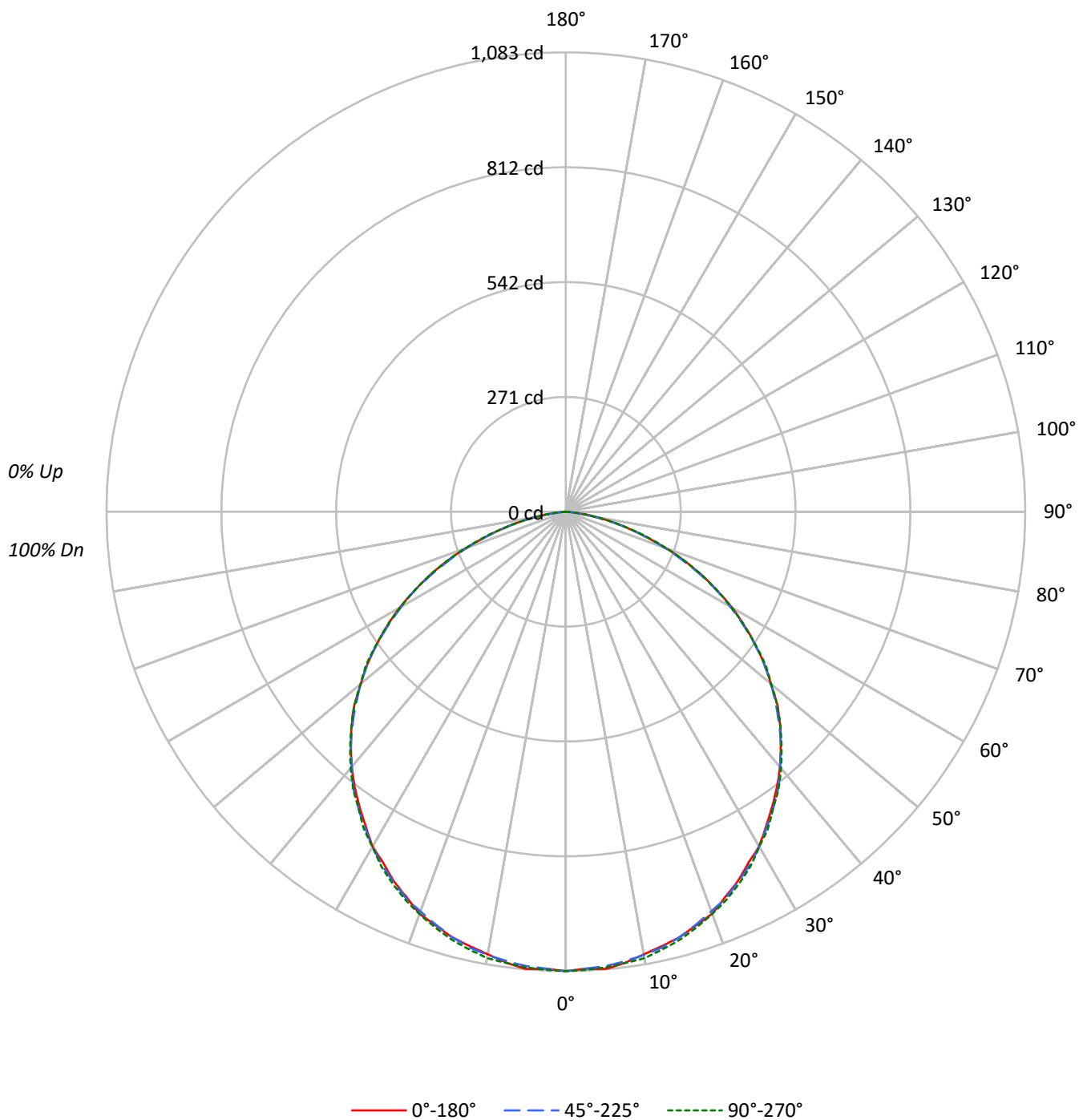
Lumens per Lamp: N/A
Luminaire Lumens: 2943.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 28.2
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		94	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71
4	83	72	63	56	81	70	62	56	68	61	55		65	59	55		63
5	77	64	55	49	75	63	55	48	61	53	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3763	3763	3763
5°	3774	3750	3761
10°	3738	3745	3769
15°	3733	3733	3755
20°	3729	3707	3732
25°	3681	3689	3708
30°	3655	3659	3659
35°	3598	3618	3615
40°	3562	3562	3580
45°	3511	3496	3516
50°	3411	3411	3416
55°	3299	3293	3304
60°	3149	3114	3128
65°	2909	2869	2909
70°	2546	2517	2577
75°	2085	2058	2111
80°	1475	1435	1475
85°	706	666	666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3516 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	3.5
10°-20°	293.3	10.0
20°-30°	443.7	15.1
30°-40°	532.9	18.1
40°-50°	549.0	18.7
50°-60°	484.9	16.5
60°-70°	345.6	11.7
70°-80°	164.8	5.6
80°-90°	26.3	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°	839.4	28.5
0°-40°	1372.3	46.6
0°-60°	2406.2	81.8
0°-90°	2943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2943.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1083	1083	1083	1083	1083	
5°	1082	1078	1075	1078	1078	102
15°	1038	1038	1038	1039	1044	293
25°	960	958	962	967	967	442
35°	848	851	853	855	852	531
45°	714	712	712	714	716	550
55°	544	544	544	540	545	486
65°	354	351	349	345	354	349
75°	155	154	153	151	157	166
85°	18	17	17	17	17	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1078.1	1079.1	1078.1	1082.0	1081.0
5°	1082.0	1078.1	1075.2	1078.1	1078.1
7.5°	1072.2	1069.3	1068.3	1074.2	1073.2
10°	1059.4	1066.3	1061.4	1065.3	1068.3
12.5°	1048.6	1053.5	1051.6	1061.4	1056.5
15°	1037.8	1037.8	1037.8	1038.8	1043.7
17.5°	1022.1	1021.1	1020.1	1024.0	1027.0
20°	1008.3	1000.5	1002.4	1008.3	1009.3
22.5°	982.8	986.7	985.7	989.7	989.7
25°	960.2	958.2	962.1	967.0	967.0
27.5°	932.7	935.6	938.5	940.5	942.5
30°	911.0	907.1	912.0	913.0	912.0
32.5°	878.6	877.6	881.5	886.5	886.5
35°	848.1	851.1	853.0	855.0	852.1
37.5°	817.7	816.7	822.6	821.6	823.6
40°	785.2	784.3	785.2	787.2	789.2
42.5°	749.9	746.9	750.8	751.8	752.8
45°	714.5	711.5	711.5	714.5	715.5
47.5°	677.1	671.2	671.2	672.2	676.1
50°	630.9	630.0	630.9	629.0	631.9
52.5°	589.7	588.7	588.7	586.7	593.6
55°	544.5	544.5	543.5	540.5	545.4
57.5°	499.2	498.3	495.3	495.3	498.3
60°	453.1	450.1	448.1	445.2	450.1
62.5°	402.0	402.0	401.0	395.1	402.9
65°	353.8	350.8	348.9	345.0	353.8
67.5°	303.7	300.7	296.8	295.8	303.7
70°	250.6	251.6	247.7	244.7	253.6
72.5°	200.5	204.4	198.5	197.5	204.4
75°	155.3	154.3	153.3	151.3	157.2
77.5°	112.0	111.1	110.1	108.1	114.0
80°	73.7	73.7	71.7	70.8	73.7
82.5°	41.3	40.3	39.3	40.3	42.3
85°	17.7	16.7	16.7	16.7	16.7
87.5°	3.9	3.9	2.9	2.9	2.9
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	16.35	17.96	16.72	18.28	18.59	16.31	17.92	16.68	18.24	18.55
	3H	17.89	19.35	18.27	19.67	20.03	17.85	19.30	18.23	19.63	19.99
	4H	18.36	19.72	18.76	20.07	20.45	18.32	19.68	18.72	20.03	20.41
	6H	18.60	19.86	19.01	20.23	20.62	18.57	19.83	18.98	20.19	20.59
	8H	18.64	19.84	19.06	20.23	20.63	18.61	19.81	19.03	20.20	20.60
	12H	18.64	19.79	19.07	20.17	20.60	18.61	19.76	19.04	20.14	20.57
4H	2H	16.91	18.28	17.31	18.63	19.00	16.88	18.25	17.28	18.59	18.97
	3H	18.65	19.78	19.05	20.18	20.58	18.59	19.73	19.00	20.13	20.53
	4H	19.20	20.23	19.64	20.64	21.08	19.15	20.18	19.59	20.59	21.03
	6H	19.53	20.42	19.98	20.86	21.32	19.48	20.37	19.93	20.81	21.27
	8H	19.58	20.42	20.04	20.86	21.32	19.53	20.37	20.00	20.81	21.27
	12H	19.60	20.34	20.08	20.82	21.29	19.55	20.29	20.03	20.77	21.24
8H	4H	19.39	20.23	19.86	20.67	21.13	19.35	20.18	19.81	20.62	21.09
	6H	19.78	20.47	20.27	20.95	21.43	19.73	20.42	20.22	20.91	21.38
	8H	19.86	20.47	20.37	20.98	21.47	19.81	20.43	20.32	20.93	21.42
	12H	19.89	20.44	20.40	20.93	21.49	19.85	20.39	20.35	20.88	21.44
12H	4H	19.40	20.14	19.88	20.62	21.09	19.35	20.10	19.83	20.57	21.04
	6H	19.78	20.39	20.29	20.90	21.39	19.73	20.35	20.24	20.85	21.34
	8H	19.89	20.43	20.40	20.92	21.48	19.84	20.39	20.35	20.88	21.44