

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: P997277

Luminaire Tested: FSP-14-L3C3-CA08-3500K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CA08-3500K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

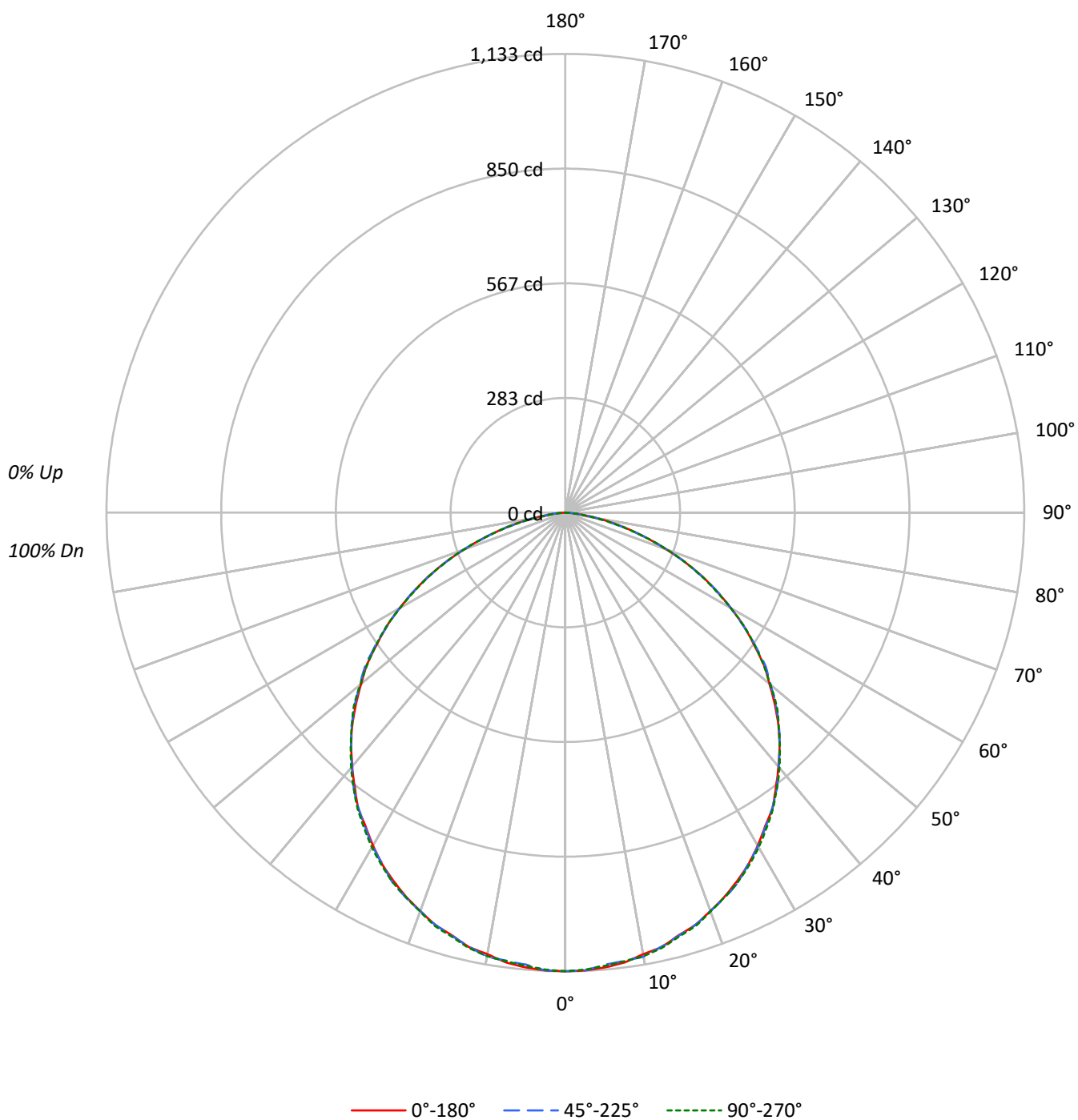
Lumens per Lamp: N/A
Luminaire Lumens: 3093.0 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	95	98	95	92		94	92	90		91
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	66	88	79	72	66	76	70	65		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47
8	61	48	39	33	59	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	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3936	3936	3936
5°	3933	3908	3919
10°	3907	3929	3925
15°	3888	3892	3899
20°	3873	3873	3876
25°	3848	3867	3863
30°	3811	3819	3831
35°	3783	3778	3791
40°	3713	3717	3731
45°	3658	3667	3663
50°	3557	3578	3573
55°	3443	3468	3456
60°	3286	3286	3279
65°	3069	3051	3051
70°	2696	2707	2717
75°	2239	2225	2211
80°	1587	1587	1547
85°	809	769	769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	3.5
10°-20°	306.5	9.9
20°-30°	463.7	15.0
30°-40°	557.3	18.0
40°-50°	575.1	18.6
50°-60°	510.2	16.5
60°-70°	366.7	11.9
70°-80°	176.8	5.7
80°-90°	29.6	1.0
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°	877.3	28.4
0°-40°	1434.6	46.4
0°-60°	2519.9	81.5
0°-90°	3093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3093.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1128	1128	1120	1129	1124	107
15°	1081	1088	1082	1090	1084	306
25°	1004	1006	1009	1009	1008	463
35°	892	892	891	893	894	556
45°	744	745	746	747	745	573
55°	568	572	572	571	570	509
65°	373	374	371	368	371	367
75°	167	165	166	166	165	178
85°	20	19	19	20	19	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1132.7	1132.7	1132.7	1132.7	1132.7
2.5°	1131.7	1134.7	1131.7	1133.7	1129.6
5°	1127.6	1127.6	1120.5	1128.6	1123.5
7.5°	1120.5	1121.5	1116.4	1124.6	1117.4
10°	1107.3	1114.4	1113.4	1116.4	1112.4
12.5°	1099.1	1102.2	1098.1	1104.2	1101.2
15°	1080.8	1087.9	1081.8	1090.0	1083.9
17.5°	1067.6	1068.6	1067.6	1071.7	1070.7
20°	1047.3	1049.3	1047.3	1054.4	1048.3
22.5°	1026.9	1029.0	1029.0	1032.0	1028.0
25°	1003.6	1005.6	1008.6	1008.6	1007.6
27.5°	979.2	978.1	978.1	985.3	982.2
30°	949.7	953.7	951.7	956.8	954.8
32.5°	918.1	922.2	920.2	925.3	924.2
35°	891.7	891.7	890.7	892.7	893.7
37.5°	854.1	855.1	858.2	860.2	858.2
40°	818.5	821.6	819.5	821.6	822.6
42.5°	782.9	786.0	782.9	788.0	783.9
45°	744.3	745.3	746.3	747.3	745.3
47.5°	701.6	706.7	705.6	707.7	708.7
50°	657.9	665.0	661.9	664.0	660.9
52.5°	618.2	618.2	623.3	617.2	616.2
55°	568.4	572.4	572.4	571.4	570.4
57.5°	523.6	525.7	521.6	523.6	524.7
60°	472.8	474.8	472.8	471.8	471.8
62.5°	422.0	424.0	424.0	423.0	419.9
65°	373.2	374.2	371.1	368.1	371.1
67.5°	320.3	319.3	319.3	317.2	319.3
70°	265.4	268.4	266.4	264.4	267.4
72.5°	214.5	216.6	213.5	212.5	214.5
75°	166.8	164.7	165.7	165.7	164.7
77.5°	123.0	120.0	117.9	117.9	119.0
80°	79.3	78.3	79.3	77.3	77.3
82.5°	44.7	44.7	44.7	44.7	45.8
85°	20.3	19.3	19.3	20.3	19.3
87.5°	5.1	5.1	6.1	5.1	5.1
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	16.54	18.15	16.90	18.47	18.78	16.52	18.13	16.88	18.45	18.76
	3H	18.10	19.55	18.47	19.88	20.24	18.07	19.53	18.45	19.85	20.21
	4H	18.57	19.94	18.97	20.29	20.67	18.55	19.91	18.94	20.26	20.64
	6H	18.83	20.10	19.24	20.46	20.85	18.79	20.06	19.20	20.42	20.81
	8H	18.87	20.08	19.30	20.47	20.87	18.83	20.04	19.26	20.43	20.83
	12H	18.88	20.03	19.31	20.42	20.84	18.84	19.99	19.27	20.37	20.80
4H	2H	17.11	18.48	17.51	18.83	19.20	17.09	18.46	17.49	18.81	19.19
	3H	18.86	20.00	19.27	20.40	20.80	18.83	19.97	19.24	20.37	20.77
	4H	19.43	20.46	19.86	20.87	21.31	19.41	20.43	19.84	20.85	21.28
	6H	19.77	20.67	20.23	21.11	21.57	19.73	20.63	20.19	21.07	21.53
	8H	19.83	20.67	20.29	21.11	21.58	19.79	20.63	20.25	21.07	21.54
	12H	19.85	20.60	20.33	21.08	21.55	19.81	20.56	20.29	21.04	21.51
8H	4H	19.63	20.47	20.09	20.91	21.38	19.61	20.45	20.07	20.89	21.35
	6H	20.03	20.72	20.53	21.21	21.69	20.00	20.69	20.49	21.18	21.65
	8H	20.12	20.74	20.63	21.24	21.73	20.08	20.70	20.59	21.21	21.70
	12H	20.16	20.71	20.67	21.20	21.76	20.13	20.67	20.63	21.16	21.73
12H	4H	19.64	20.38	20.12	20.86	21.33	19.61	20.36	20.09	20.84	21.31
	6H	20.04	20.66	20.55	21.16	21.65	20.00	20.62	20.51	21.13	21.61
	8H	20.16	20.70	20.66	21.19	21.75	20.12	20.67	20.63	21.16	21.72