

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: P997302

Luminaire Tested: FSP-14-L3C3-CP187-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP187-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

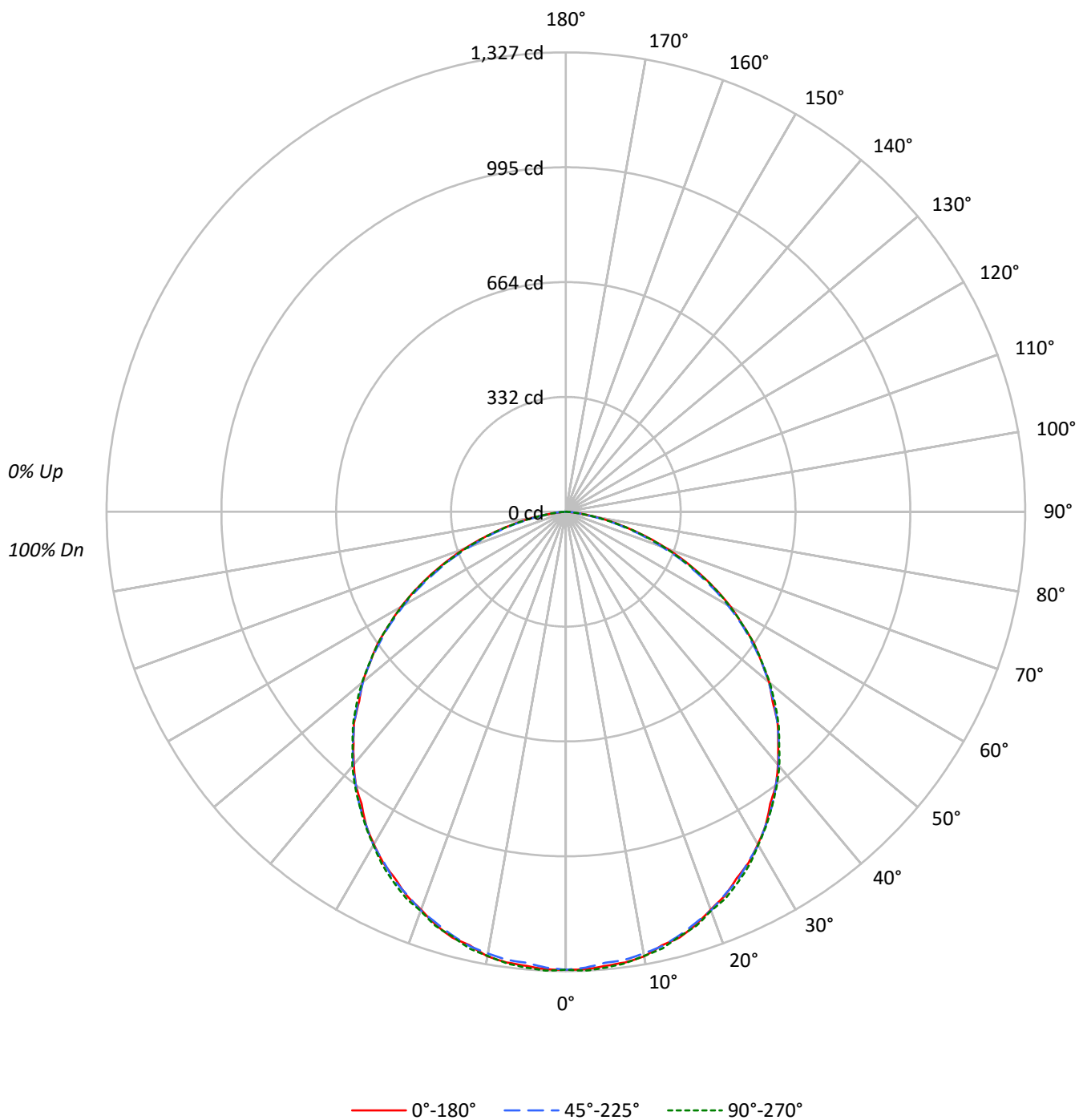
Lumens per Lamp: N/A
Luminaire Lumens: 3581.0 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
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	83	72	63	57	81	70	62	56	68	61	55		66	59	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	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°	4597	4597	4597
5°	4593	4562	4610
10°	4602	4571	4597
15°	4579	4557	4566
20°	4522	4532	4536
25°	4478	4502	4522
30°	4451	4461	4461
35°	4366	4404	4404
40°	4323	4335	4352
45°	4254	4248	4272
50°	4146	4133	4160
55°	4018	3973	4011
60°	3829	3759	3803
65°	3544	3430	3513
70°	3161	2995	3097
75°	2566	2415	2532
80°	1775	1649	1749
85°	845	746	797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4272 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	3.5
10°-20°	358.0	10.0
20°-30°	541.0	15.1
30°-40°	649.3	18.1
40°-50°	668.0	18.7
50°-60°	589.0	16.4
60°-70°	420.0	11.7
70°-80°	199.5	5.6
80°-90°	31.0	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°	1024.1	28.6
0°-40°	1673.4	46.7
0°-60°	2930.5	81.8
0°-90°	3581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1323	1323	1323	1323	1323	
5°	1317	1317	1308	1318	1322	125
15°	1273	1268	1267	1270	1269	358
25°	1168	1172	1174	1177	1179	540
35°	1029	1037	1038	1043	1038	647
45°	866	869	864	869	869	665
55°	663	663	656	660	662	590
65°	431	428	417	424	427	426
75°	191	190	180	182	189	205
85°	21	20	19	19	20	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1322.9	1322.9	1322.9	1322.9	1322.9
2.5°	1322.9	1320.4	1317.9	1321.7	1326.7
5°	1316.7	1316.7	1307.9	1317.9	1321.7
7.5°	1312.9	1305.4	1305.4	1310.4	1315.4
10°	1304.2	1296.7	1295.4	1300.4	1302.9
12.5°	1282.9	1282.9	1285.4	1286.7	1291.7
15°	1272.9	1267.9	1266.7	1270.4	1269.2
17.5°	1250.5	1246.7	1245.5	1253.0	1254.2
20°	1223.0	1224.2	1225.5	1226.7	1226.7
22.5°	1200.5	1201.7	1198.0	1210.5	1208.0
25°	1168.0	1171.8	1174.3	1176.8	1179.3
27.5°	1143.0	1140.5	1140.5	1145.5	1149.3
30°	1109.3	1108.0	1111.8	1114.3	1111.8
32.5°	1074.3	1075.6	1074.3	1078.1	1076.8
35°	1029.3	1036.8	1038.1	1043.1	1038.1
37.5°	996.9	996.9	996.9	1000.6	1000.6
40°	953.1	956.9	955.6	963.1	959.4
42.5°	908.2	911.9	910.7	919.4	911.9
45°	865.7	869.4	864.5	869.4	869.4
47.5°	809.5	815.7	814.5	823.2	819.5
50°	767.0	772.0	764.5	768.3	769.5
52.5°	712.0	717.0	712.0	714.5	714.5
55°	663.3	663.3	655.8	659.6	662.1
57.5°	603.4	607.1	599.6	602.1	604.6
60°	550.9	549.7	540.9	542.2	547.2
62.5°	490.9	489.7	480.9	482.2	489.7
65°	431.0	428.5	417.2	423.5	427.2
67.5°	371.0	369.8	358.5	359.8	364.8
70°	311.1	309.8	294.8	299.8	304.8
72.5°	249.8	248.6	237.3	241.1	247.3
75°	191.1	189.9	179.9	182.4	188.6
77.5°	138.7	134.9	128.7	132.4	136.2
80°	88.7	88.7	82.4	86.2	87.4
82.5°	48.7	48.7	46.2	47.5	48.7
85°	21.2	20.0	18.7	18.7	20.0
87.5°	3.7	3.7	3.7	3.7	3.7
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	17.04	18.65	17.40	18.96	19.27	16.99	18.60	17.35	18.91	19.23
	3H	18.61	20.06	18.98	20.38	20.74	18.51	19.96	18.89	20.29	20.65
	4H	19.08	20.44	19.48	20.79	21.17	18.98	20.34	19.38	20.69	21.07
	6H	19.32	20.58	19.73	20.95	21.34	19.22	20.48	19.63	20.85	21.24
	8H	19.36	20.56	19.78	20.95	21.35	19.25	20.46	19.68	20.85	21.24
	12H	19.36	20.51	19.79	20.89	21.32	19.25	20.40	19.68	20.79	21.21
4H	2H	17.57	18.94	17.97	19.29	19.66	17.54	18.90	17.93	19.25	19.62
	3H	19.33	20.47	19.74	20.87	21.27	19.25	20.38	19.66	20.78	21.18
	4H	19.91	20.93	20.34	21.34	21.78	19.80	20.82	20.23	21.24	21.67
	6H	20.23	21.12	20.69	21.56	22.02	20.12	21.01	20.58	21.45	21.91
	8H	20.28	21.11	20.74	21.55	22.02	20.17	21.00	20.63	21.45	21.91
	12H	20.29	21.04	20.77	21.51	21.98	20.19	20.93	20.67	21.41	21.88
8H	4H	20.08	20.91	20.54	21.36	21.82	19.99	20.82	20.45	21.26	21.73
	6H	20.46	21.15	20.96	21.64	22.11	20.36	21.05	20.86	21.54	22.01
	8H	20.54	21.15	21.05	21.66	22.15	20.44	21.05	20.95	21.56	22.05
	12H	20.57	21.11	21.08	21.60	22.17	20.47	21.01	20.98	21.50	22.06
12H	4H	20.08	20.83	20.56	21.30	21.77	19.99	20.73	20.47	21.21	21.68
	6H	20.46	21.07	20.97	21.58	22.07	20.36	20.98	20.87	21.48	21.97
	8H	20.57	21.11	21.07	21.60	22.16	20.47	21.01	20.98	21.50	22.06