

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: P997305

Luminaire Tested: FSP-14-L3C3-CP187-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997305
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-CP187-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

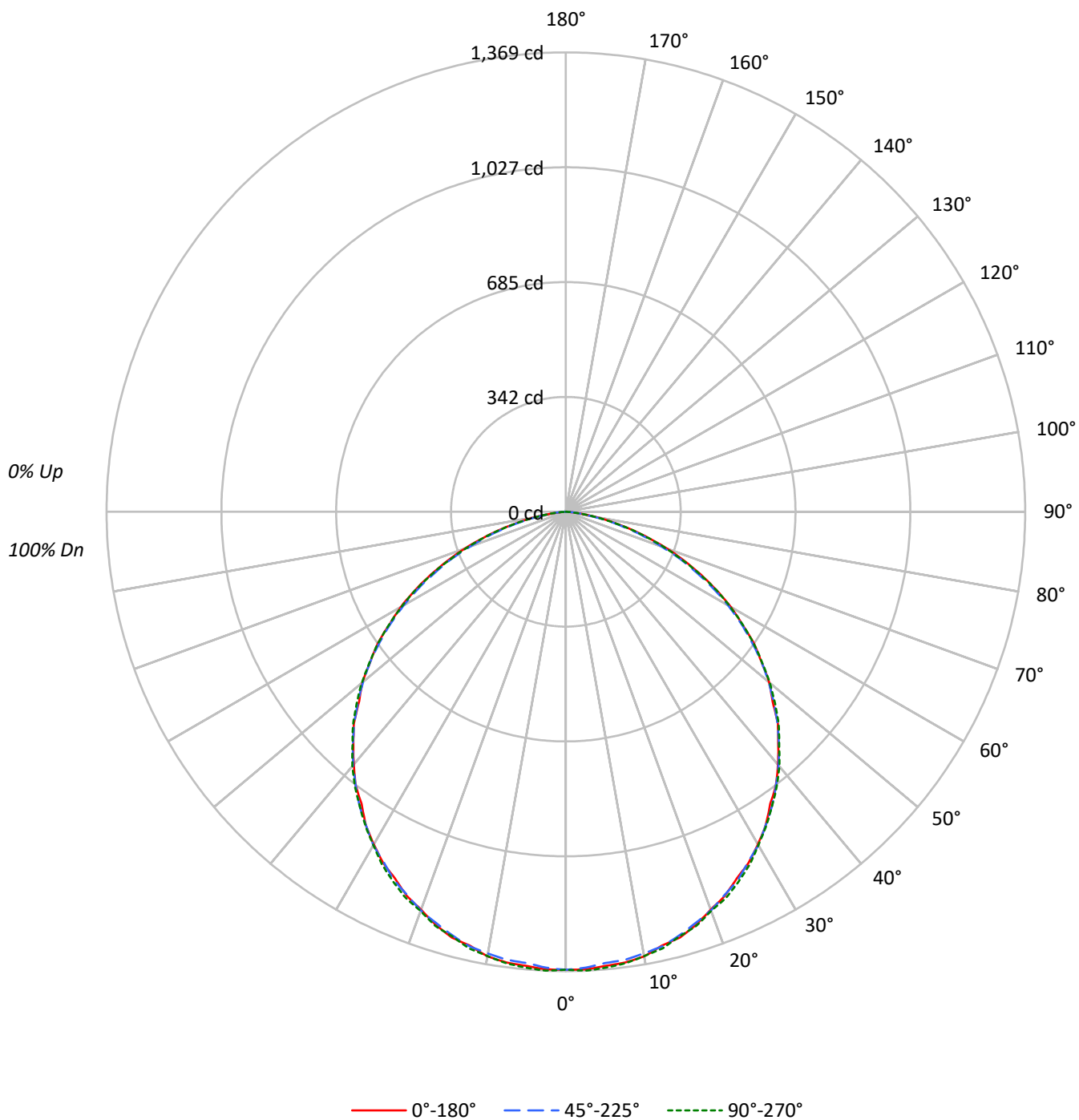
Lumens per Lamp: N/A
Luminaire Lumens: 3695.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	4743	4743	4743
5°	4739	4708	4757
10°	4748	4716	4744
15°	4725	4702	4711
20°	4666	4676	4681
25°	4621	4645	4665
30°	4593	4603	4603
35°	4505	4544	4544
40°	4461	4473	4490
45°	4390	4383	4409
50°	4278	4265	4292
55°	4146	4100	4139
60°	3950	3879	3924
65°	3656	3540	3624
70°	3261	3091	3195
75°	2648	2492	2613
80°	1831	1703	1805
85°	873	769	821

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.1	3.5
10°-20°	369.4	10.0
20°-30°	558.2	15.1
30°-40°	670.0	18.1
40°-50°	689.3	18.7
50°-60°	607.8	16.4
60°-70°	433.3	11.7
70°-80°	205.8	5.6
80°-90°	32.0	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°	1056.7	28.6
0°-40°	1726.7	46.7
0°-60°	3023.8	81.8
0°-90°	3695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1365	1365	1365	1365	1365	
5°	1359	1359	1350	1360	1364	129
15°	1314	1308	1307	1311	1310	370
25°	1205	1209	1212	1214	1217	557
35°	1062	1070	1071	1076	1071	668
45°	893	897	892	897	897	686
55°	684	684	677	681	683	609
65°	445	442	430	437	441	440
75°	197	196	186	188	195	212
85°	22	21	19	19	21	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1365.0	1365.0	1365.0	1365.0	1365.0
2.5°	1365.0	1362.4	1359.9	1363.7	1368.9
5°	1358.6	1358.6	1349.6	1359.9	1363.7
7.5°	1354.7	1347.0	1347.0	1352.1	1357.3
10°	1345.7	1338.0	1336.7	1341.8	1344.4
12.5°	1323.8	1323.8	1326.4	1327.6	1332.8
15°	1313.5	1308.3	1307.0	1310.9	1309.6
17.5°	1290.3	1286.4	1285.1	1292.8	1294.1
20°	1261.9	1263.2	1264.5	1265.8	1265.8
22.5°	1238.7	1240.0	1236.1	1249.0	1246.4
25°	1205.2	1209.1	1211.6	1214.2	1216.8
27.5°	1179.4	1176.8	1176.8	1182.0	1185.9
30°	1144.6	1143.3	1147.2	1149.8	1147.2
32.5°	1108.5	1109.8	1108.5	1112.4	1111.1
35°	1062.1	1069.8	1071.1	1076.3	1071.1
37.5°	1028.6	1028.6	1028.6	1032.5	1032.5
40°	983.5	987.4	986.1	993.8	989.9
42.5°	937.1	941.0	939.7	948.7	941.0
45°	893.3	897.1	892.0	897.1	897.1
47.5°	835.3	841.7	840.4	849.4	845.6
50°	791.4	796.6	788.9	792.7	794.0
52.5°	734.7	739.9	734.7	737.3	737.3
55°	684.4	684.4	676.7	680.6	683.2
57.5°	622.6	626.4	618.7	621.3	623.9
60°	568.4	567.1	558.1	559.4	564.6
62.5°	506.6	505.3	496.3	497.5	505.3
65°	444.7	442.1	430.5	437.0	440.8
67.5°	382.8	381.5	369.9	371.2	376.4
70°	321.0	319.7	304.2	309.4	314.5
72.5°	257.8	256.5	244.9	248.8	255.2
75°	197.2	195.9	185.6	188.2	194.6
77.5°	143.1	139.2	132.8	136.6	140.5
80°	91.5	91.5	85.1	88.9	90.2
82.5°	50.3	50.3	47.7	49.0	50.3
85°	21.9	20.6	19.3	19.3	20.6
87.5°	3.9	3.9	3.9	3.9	3.9
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	17.14	18.75	17.51	19.07	19.38	17.10	18.71	17.46	19.02	19.34
	3H	18.72	20.16	19.09	20.49	20.85	18.62	20.07	19.00	20.40	20.76
	4H	19.19	20.55	19.59	20.90	21.27	19.09	20.45	19.49	20.80	21.17
	6H	19.43	20.69	19.84	21.06	21.45	19.33	20.59	19.74	20.95	21.35
	8H	19.46	20.67	19.89	21.06	21.45	19.36	20.57	19.79	20.95	21.35
	12H	19.46	20.62	19.89	21.00	21.43	19.36	20.51	19.79	20.89	21.32
4H	2H	17.68	19.05	18.08	19.39	19.77	17.65	19.01	18.04	19.36	19.73
	3H	19.44	20.58	19.85	20.98	21.38	19.36	20.49	19.77	20.89	21.29
	4H	20.01	21.04	20.45	21.45	21.89	19.91	20.93	20.34	21.35	21.78
	6H	20.34	21.23	20.79	21.67	22.13	20.23	21.12	20.69	21.56	22.02
	8H	20.39	21.22	20.85	21.66	22.13	20.28	21.11	20.74	21.56	22.02
	12H	20.40	21.15	20.88	21.62	22.09	20.29	21.04	20.78	21.51	21.98
8H	4H	20.19	21.02	20.65	21.46	21.93	20.10	20.93	20.56	21.37	21.84
	6H	20.57	21.26	21.07	21.75	22.22	20.47	21.16	20.97	21.65	22.12
	8H	20.65	21.26	21.16	21.77	22.25	20.55	21.16	21.06	21.67	22.16
	12H	20.68	21.22	21.19	21.71	22.27	20.58	21.12	21.09	21.61	22.17
12H	4H	20.19	20.94	20.67	21.41	21.88	20.10	20.84	20.58	21.32	21.79
	6H	20.57	21.18	21.08	21.69	22.18	20.47	21.09	20.98	21.59	22.08
	8H	20.67	21.22	21.18	21.71	22.27	20.58	21.12	21.08	21.61	22.17