

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: P997296

Luminaire Tested: FSP-14-L3C3-CP125-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997296
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-CP125-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

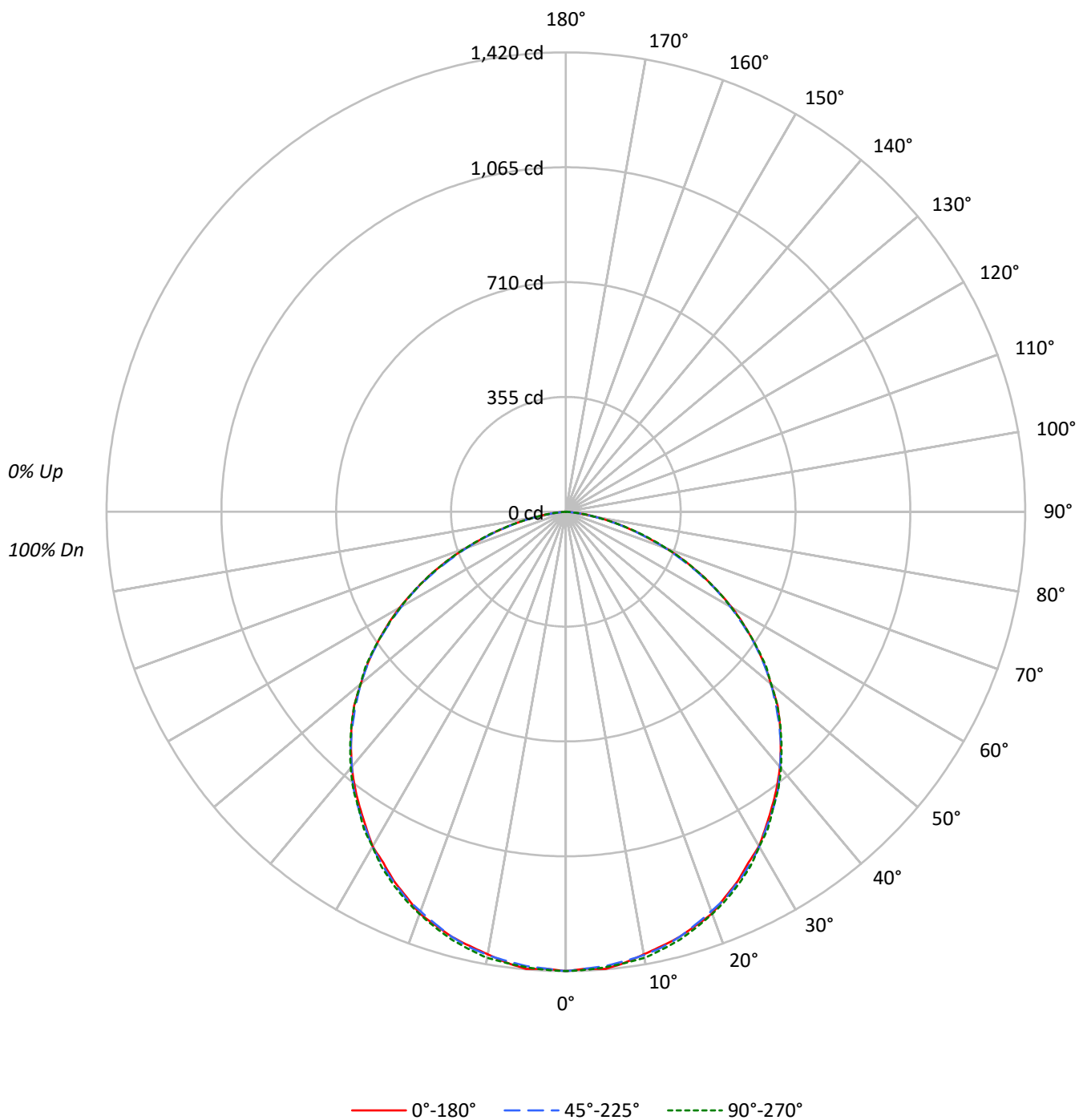
Lumens per Lamp: N/A
Luminaire Lumens: 3858.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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		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°	4933	4933	4933
5°	4948	4916	4930
10°	4900	4910	4941
15°	4894	4894	4922
20°	4888	4859	4893
25°	4826	4836	4860
30°	4792	4797	4797
35°	4716	4744	4738
40°	4669	4669	4693
45°	4603	4583	4609
50°	4471	4471	4478
55°	4324	4316	4332
60°	4127	4083	4101
65°	3813	3761	3813
70°	3337	3299	3377
75°	2733	2699	2767
80°	1933	1881	1933
85°	925	873	873

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	3.5
10°-20°	384.4	10.0
20°-30°	581.7	15.1
30°-40°	698.6	18.1
40°-50°	719.8	18.7
50°-60°	635.6	16.5
60°-70°	453.1	11.7
70°-80°	216.1	5.6
80°-90°	34.5	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°	1100.4	28.5
0°-40°	1799.0	46.6
0°-60°	3154.4	81.8
0°-90°	3858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1420	1420	1420	1420	1420	
5°	1418	1413	1409	1413	1413	134
15°	1360	1360	1360	1362	1368	384
25°	1259	1256	1261	1268	1268	580
35°	1112	1116	1118	1121	1117	696
45°	937	933	933	937	938	721
55°	714	714	712	709	715	638
65°	464	460	457	452	464	457
75°	204	202	201	198	206	218
85°	23	22	22	22	22	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1419.7	1419.7	1419.7	1419.7	1419.7
2.5°	1413.3	1414.6	1413.3	1418.4	1417.2
5°	1418.4	1413.3	1409.4	1413.3	1413.3
7.5°	1405.6	1401.7	1400.4	1408.1	1406.8
10°	1388.8	1397.8	1391.4	1396.5	1400.4
12.5°	1374.6	1381.1	1378.5	1391.4	1384.9
15°	1360.5	1360.5	1360.5	1361.8	1368.2
17.5°	1339.9	1338.6	1337.3	1342.4	1346.3
20°	1321.8	1311.5	1314.1	1321.8	1323.1
22.5°	1288.3	1293.5	1292.2	1297.3	1297.3
25°	1258.7	1256.1	1261.3	1267.7	1267.7
27.5°	1222.6	1226.5	1230.3	1232.9	1235.5
30°	1194.3	1189.1	1195.6	1196.9	1195.6
32.5°	1151.8	1150.5	1155.6	1162.1	1162.1
35°	1111.8	1115.7	1118.3	1120.8	1117.0
37.5°	1071.9	1070.6	1078.3	1077.0	1079.6
40°	1029.4	1028.1	1029.4	1031.9	1034.5
42.5°	983.0	979.1	984.3	985.6	986.9
45°	936.6	932.7	932.7	936.6	937.9
47.5°	887.7	879.9	879.9	881.2	886.4
50°	827.1	825.8	827.1	824.5	828.4
52.5°	773.0	771.7	771.7	769.1	778.1
55°	713.7	713.7	712.4	708.6	715.0
57.5°	654.5	653.2	649.3	649.3	653.2
60°	593.9	590.1	587.5	583.6	590.1
62.5°	526.9	526.9	525.6	517.9	528.2
65°	463.8	459.9	457.4	452.2	463.8
67.5°	398.1	394.2	389.1	387.8	398.1
70°	328.5	329.8	324.7	320.8	332.4
72.5°	262.8	268.0	260.2	259.0	268.0
75°	203.6	202.3	201.0	198.4	206.1
77.5°	146.9	145.6	144.3	141.7	149.4
80°	96.6	96.6	94.0	92.8	96.6
82.5°	54.1	52.8	51.5	52.8	55.4
85°	23.2	21.9	21.9	21.9	21.9
87.5°	5.2	5.2	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	17.29	18.90	17.66	19.22	19.53	17.25	18.86	17.62	19.18	19.49
	3H	18.83	20.29	19.21	20.61	20.97	18.79	20.24	19.17	20.57	20.93
	4H	19.30	20.66	19.70	21.01	21.39	19.26	20.63	19.66	20.97	21.35
	6H	19.54	20.80	19.95	21.17	21.56	19.51	20.77	19.92	21.13	21.53
	8H	19.58	20.78	20.00	21.17	21.57	19.55	20.75	19.97	21.14	21.54
	12H	19.58	20.73	20.01	21.11	21.54	19.55	20.70	19.98	21.08	21.51
4H	2H	17.85	19.22	18.25	19.57	19.94	17.82	19.19	18.22	19.53	19.91
	3H	19.59	20.72	20.00	21.12	21.52	19.54	20.67	19.95	21.07	21.47
	4H	20.14	21.17	20.58	21.58	22.02	20.09	21.12	20.53	21.53	21.97
	6H	20.47	21.36	20.92	21.80	22.26	20.42	21.31	20.87	21.75	22.21
	8H	20.52	21.36	20.98	21.80	22.26	20.48	21.31	20.94	21.75	22.22
	12H	20.54	21.28	21.02	21.76	22.23	20.49	21.24	20.97	21.71	22.18
8H	4H	20.33	21.17	20.80	21.61	22.08	20.29	21.12	20.75	21.57	22.03
	6H	20.72	21.41	21.21	21.90	22.37	20.67	21.36	21.16	21.85	22.32
	8H	20.80	21.41	21.31	21.92	22.41	20.75	21.37	21.26	21.87	22.36
	12H	20.83	21.38	21.34	21.87	22.43	20.79	21.33	21.29	21.82	22.38
12H	4H	20.34	21.08	20.82	21.56	22.03	20.29	21.04	20.77	21.51	21.98
	6H	20.72	21.33	21.23	21.84	22.33	20.67	21.29	21.18	21.79	22.28
	8H	20.83	21.37	21.34	21.86	22.42	20.78	21.33	21.29	21.82	22.38