

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: P997298

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997298
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-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

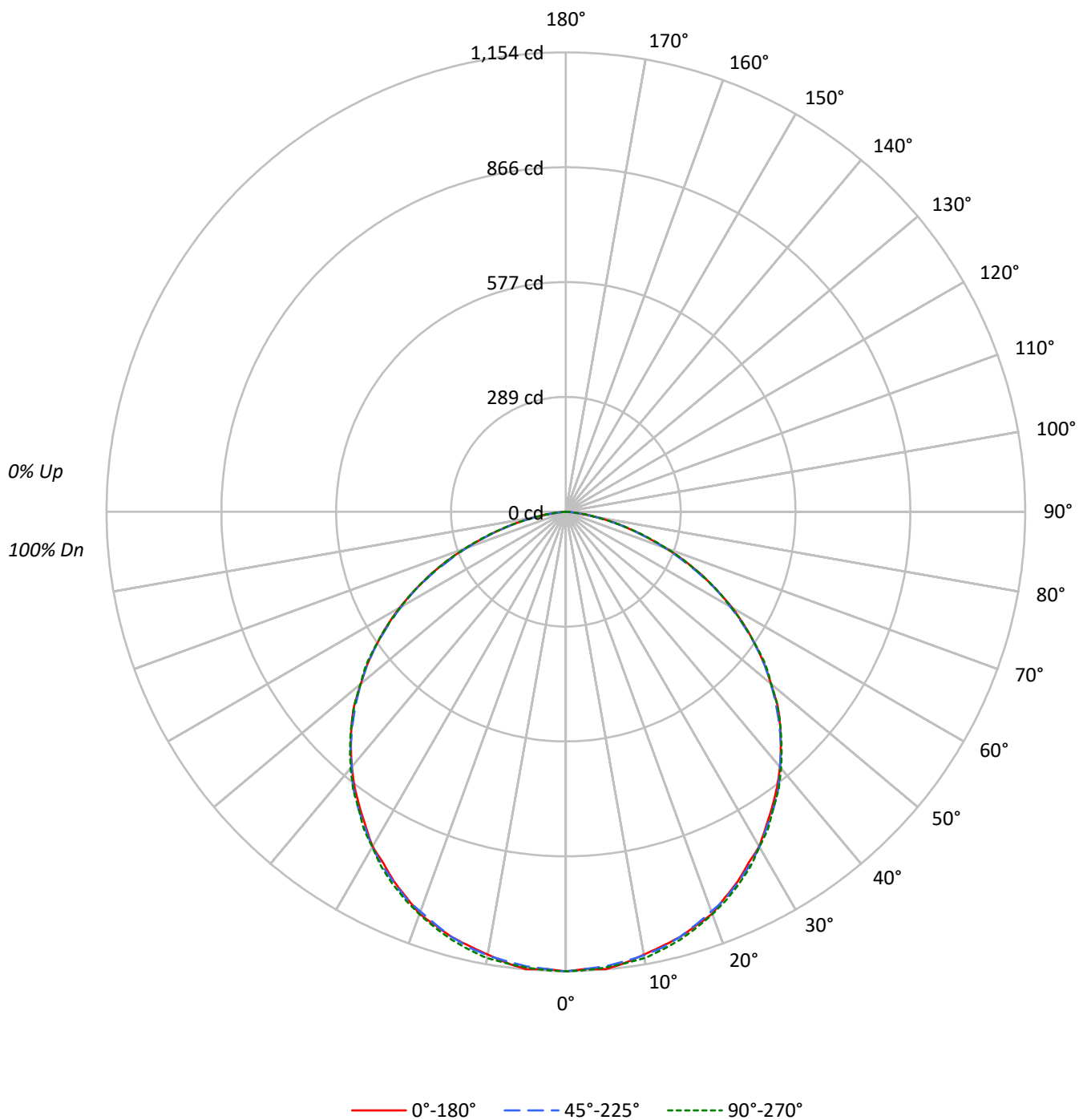
Lumens per Lamp: N/A
Luminaire Lumens: 3137.0 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	4011	4011	4011
5°	4023	3997	4009
10°	3985	3992	4018
15°	3979	3979	4002
20°	3974	3951	3978
25°	3924	3932	3952
30°	3896	3900	3900
35°	3835	3857	3853
40°	3797	3797	3816
45°	3743	3727	3748
50°	3635	3635	3641
55°	3516	3510	3522
60°	3356	3320	3334
65°	3101	3058	3101
70°	2714	2682	2746
75°	2222	2194	2250
80°	1573	1531	1573
85°	754	710	710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3748 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	3.5
10°-20°	312.6	10.0
20°-30°	473.0	15.1
30°-40°	568.1	18.1
40°-50°	585.2	18.7
50°-60°	516.8	16.5
60°-70°	368.4	11.7
70°-80°	175.7	5.6
80°-90°	28.0	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°	894.7	28.5
0°-40°	1462.8	46.6
0°-60°	2564.9	81.8
0°-90°	3137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1154	1154	1154	1154	1154	
5°	1153	1149	1146	1149	1149	109
15°	1106	1106	1106	1107	1112	312
25°	1024	1021	1026	1031	1031	472
35°	904	907	909	911	908	566
45°	762	758	758	762	763	586
55°	580	580	579	576	581	518
65°	377	374	372	368	377	372
75°	166	164	163	161	168	177
85°	19	18	18	18	18	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1154.4	1154.4	1154.4	1154.4	1154.4
2.5°	1149.2	1150.2	1149.2	1153.4	1152.3
5°	1153.4	1149.2	1146.0	1149.2	1149.2
7.5°	1142.9	1139.7	1138.7	1145.0	1143.9
10°	1129.3	1136.6	1131.4	1135.6	1138.7
12.5°	1117.7	1123.0	1120.9	1131.4	1126.1
15°	1106.2	1106.2	1106.2	1107.3	1112.5
17.5°	1089.5	1088.4	1087.4	1091.6	1094.7
20°	1074.8	1066.4	1068.5	1074.8	1075.8
22.5°	1047.6	1051.7	1050.7	1054.9	1054.9
25°	1023.5	1021.4	1025.6	1030.8	1030.8
27.5°	994.1	997.3	1000.4	1002.5	1004.6
30°	971.1	966.9	972.1	973.2	972.1
32.5°	936.5	935.5	939.7	944.9	944.9
35°	904.0	907.2	909.3	911.4	908.2
37.5°	871.6	870.5	876.8	875.8	877.9
40°	837.0	835.9	837.0	839.1	841.2
42.5°	799.3	796.1	800.3	801.4	802.4
45°	761.6	758.4	758.4	761.6	762.6
47.5°	721.8	715.5	715.5	716.5	720.7
50°	672.5	671.5	672.5	670.4	673.6
52.5°	628.5	627.5	627.5	625.4	632.7
55°	580.3	580.3	579.3	576.2	581.4
57.5°	532.2	531.1	528.0	528.0	531.1
60°	482.9	479.8	477.7	474.5	479.8
62.5°	428.5	428.5	427.4	421.1	429.5
65°	377.1	374.0	371.9	367.7	377.1
67.5°	323.7	320.6	316.4	315.3	323.7
70°	267.1	268.2	264.0	260.8	270.3
72.5°	213.7	217.9	211.6	210.6	217.9
75°	165.5	164.5	163.4	161.3	167.6
77.5°	119.4	118.4	117.3	115.2	121.5
80°	78.6	78.6	76.5	75.4	78.6
82.5°	44.0	42.9	41.9	42.9	45.0
85°	18.9	17.8	17.8	17.8	17.8
87.5°	4.2	4.2	3.1	3.1	3.1
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	16.57	18.18	16.94	18.50	18.81	16.53	18.15	16.90	18.46	18.77
	3H	18.12	19.57	18.49	19.89	20.25	18.07	19.52	18.45	19.85	20.21
	4H	18.58	19.94	18.98	20.29	20.67	18.54	19.91	18.94	20.25	20.63
	6H	18.82	20.09	19.23	20.45	20.84	18.79	20.05	19.20	20.42	20.81
	8H	18.86	20.06	19.29	20.45	20.85	18.83	20.03	19.25	20.42	20.82
	12H	18.86	20.01	19.29	20.40	20.82	18.83	19.98	19.26	20.36	20.79
4H	2H	17.14	18.50	17.53	18.85	19.22	17.10	18.47	17.50	18.82	19.19
	3H	18.87	20.00	19.28	20.40	20.80	18.82	19.95	19.23	20.35	20.75
	4H	19.43	20.45	19.86	20.86	21.30	19.38	20.40	19.81	20.81	21.25
	6H	19.75	20.64	20.21	21.08	21.54	19.70	20.59	20.16	21.03	21.49
	8H	19.81	20.64	20.27	21.08	21.55	19.76	20.59	20.22	21.03	21.50
	12H	19.82	20.57	20.30	21.04	21.51	19.77	20.52	20.25	20.99	21.46
8H	4H	19.62	20.45	20.08	20.89	21.36	19.57	20.40	20.03	20.85	21.31
	6H	20.00	20.69	20.49	21.18	21.65	19.95	20.64	20.45	21.13	21.60
	8H	20.08	20.69	20.59	21.20	21.69	20.03	20.65	20.54	21.15	21.64
	12H	20.11	20.66	20.62	21.15	21.71	20.07	20.61	20.57	21.10	21.66
12H	4H	19.62	20.36	20.10	20.84	21.31	19.57	20.32	20.06	20.80	21.27
	6H	20.00	20.62	20.51	21.12	21.61	19.95	20.57	20.46	21.08	21.56
	8H	20.11	20.65	20.62	21.14	21.71	20.06	20.61	20.57	21.10	21.66