

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: P997280

Luminaire Tested: FSP-14-L3C3-CA08-4000K-MID

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997280
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-CA08-4000K-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

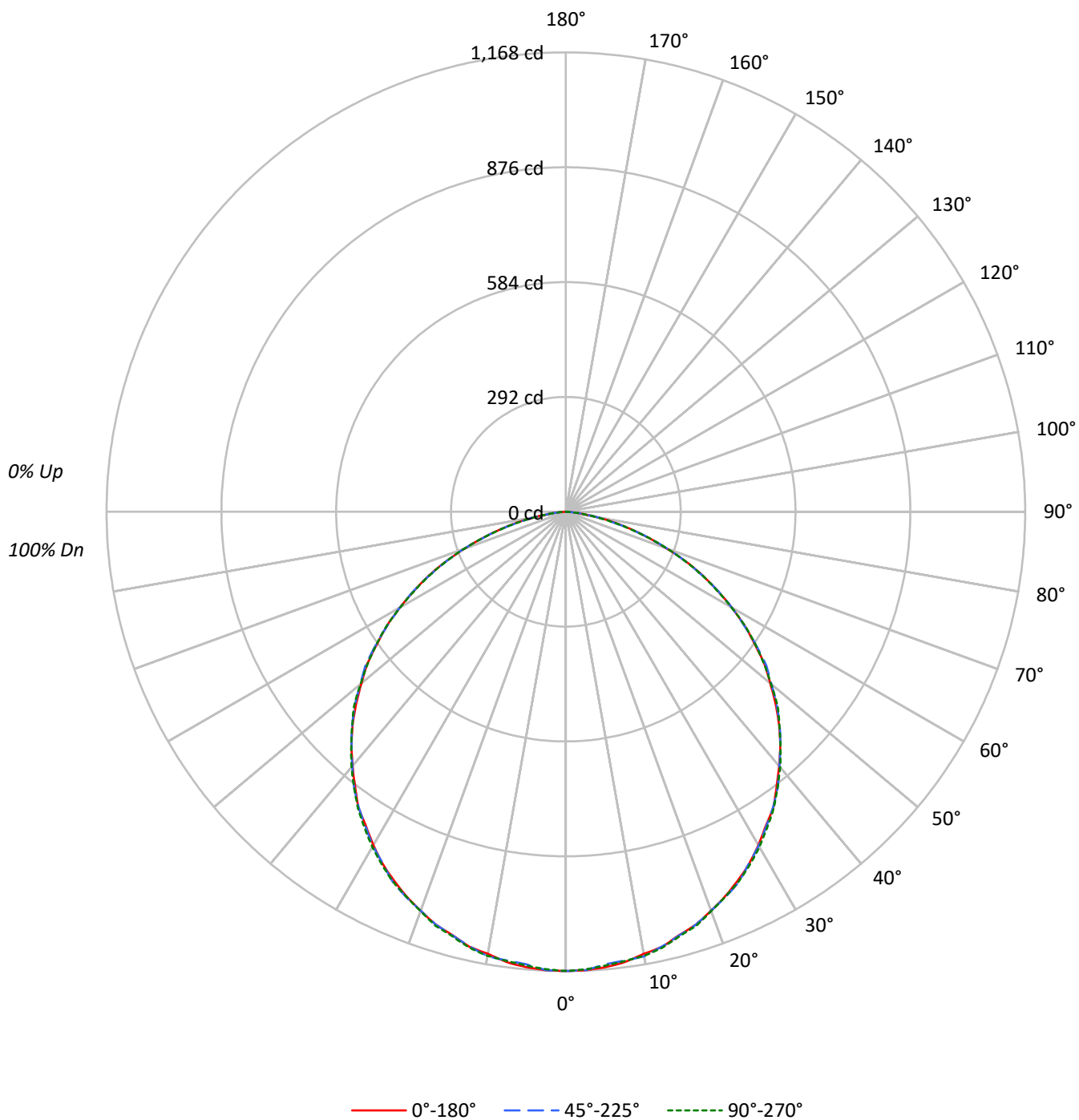
Lumens per Lamp: N/A
Luminaire Lumens: 3188.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P997280

CATALOG NUMBER: FSP-14-L3C3-CA08-4000K-MID

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°	4057	4057	4057
5°	4054	4028	4039
10°	4027	4049	4045
15°	4008	4012	4019
20°	3991	3991	3996
25°	3966	3986	3982
30°	3927	3936	3949
35°	3899	3895	3908
40°	3827	3832	3846
45°	3770	3780	3775
50°	3666	3688	3683
55°	3549	3574	3562
60°	3387	3387	3380
65°	3162	3145	3145
70°	2779	2790	2800
75°	2308	2293	2280
80°	1635	1635	1593
85°	837	793	793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3785 cd/sqm

TEST NUMBER: P997280

CATALOG NUMBER: FSP-14-L3C3-CA08-4000K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.5
10°-20°	315.9	9.9
20°-30°	478.0	15.0
30°-40°	574.4	18.0
40°-50°	592.8	18.6
50°-60°	525.8	16.5
60°-70°	377.9	11.9
70°-80°	182.2	5.7
80°-90°	30.5	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°	904.2	28.4
0°-40°	1478.6	46.4
0°-60°	2597.2	81.5
0°-90°	3188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3188.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1162	1162	1155	1163	1158	110
15°	1114	1121	1115	1124	1117	315
25°	1034	1036	1040	1040	1039	477
35°	919	919	918	920	921	573
45°	767	768	769	770	768	590
55°	586	590	590	589	588	524
65°	385	386	382	379	382	378
75°	172	170	171	171	170	184
85°	21	20	20	21	20	31
90°	0	0	0	0	0	

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CATALOG NUMBER: FSP-14-L3C3-CA08-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1166.4	1169.6	1166.4	1168.5	1164.3
5°	1162.2	1162.2	1154.9	1163.3	1158.0
7.5°	1154.9	1155.9	1150.7	1159.1	1151.8
10°	1141.3	1148.6	1147.6	1150.7	1146.5
12.5°	1132.9	1136.0	1131.8	1138.1	1135.0
15°	1114.0	1121.4	1115.1	1123.5	1117.2
17.5°	1100.4	1101.5	1100.4	1104.6	1103.5
20°	1079.4	1081.5	1079.4	1086.8	1080.5
22.5°	1058.5	1060.6	1060.6	1063.7	1059.5
25°	1034.4	1036.5	1039.6	1039.6	1038.6
27.5°	1009.2	1008.2	1008.2	1015.5	1012.4
30°	978.8	983.0	980.9	986.2	984.1
32.5°	946.3	950.5	948.4	953.7	952.6
35°	919.1	919.1	918.1	920.1	921.2
37.5°	880.3	881.4	884.5	886.6	884.5
40°	843.6	846.8	844.7	846.8	847.8
42.5°	807.0	810.1	807.0	812.2	808.0
45°	767.1	768.2	769.2	770.3	768.2
47.5°	723.1	728.4	727.3	729.4	730.5
50°	678.1	685.4	682.3	684.3	681.2
52.5°	637.2	637.2	642.4	636.1	635.1
55°	585.8	590.0	590.0	589.0	587.9
57.5°	539.7	541.8	537.6	539.7	540.8
60°	487.3	489.4	487.3	486.3	486.3
62.5°	434.9	437.0	437.0	436.0	432.8
65°	384.6	385.7	382.5	379.4	382.5
67.5°	330.1	329.1	329.1	327.0	329.1
70°	273.5	276.7	274.6	272.5	275.6
72.5°	221.1	223.2	220.1	219.0	221.1
75°	171.9	169.8	170.8	170.8	169.8
77.5°	126.8	123.7	121.6	121.6	122.6
80°	81.7	80.7	81.7	79.6	79.6
82.5°	46.1	46.1	46.1	46.1	47.2
85°	21.0	19.9	19.9	21.0	19.9
87.5°	5.2	5.2	6.3	5.2	5.2
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	16.64	18.26	17.01	18.57	18.89	16.62	18.24	16.99	18.55	18.87
	3H	18.20	19.66	18.58	19.98	20.34	18.18	19.63	18.55	19.96	20.32
	4H	18.68	20.05	19.08	20.39	20.77	18.65	20.02	19.05	20.37	20.74
	6H	18.94	20.20	19.35	20.57	20.96	18.90	20.16	19.31	20.53	20.92
	8H	18.98	20.18	19.40	20.57	20.97	18.94	20.14	19.36	20.53	20.93
	12H	18.98	20.14	19.41	20.52	20.95	18.94	20.10	19.37	20.48	20.91
4H	2H	17.22	18.58	17.62	18.93	19.31	17.20	18.57	17.60	18.92	19.29
	3H	18.97	20.11	19.38	20.50	20.91	18.94	20.08	19.35	20.48	20.88
	4H	19.54	20.56	19.97	20.98	21.42	19.51	20.54	19.94	20.95	21.39
	6H	19.88	20.77	20.33	21.21	21.67	19.84	20.73	20.29	21.17	21.63
	8H	19.94	20.77	20.40	21.21	21.68	19.90	20.73	20.36	21.18	21.64
	12H	19.96	20.71	20.44	21.18	21.65	19.92	20.67	20.40	21.14	21.61
8H	4H	19.74	20.57	20.20	21.02	21.48	19.72	20.55	20.18	20.99	21.46
	6H	20.14	20.83	20.63	21.32	21.79	20.10	20.79	20.60	21.28	21.76
	8H	20.22	20.84	20.74	21.35	21.84	20.19	20.81	20.70	21.31	21.80
	12H	20.27	20.81	20.77	21.30	21.87	20.23	20.78	20.74	21.27	21.83
12H	4H	19.74	20.49	20.22	20.97	21.44	19.72	20.47	20.20	20.94	21.41
	6H	20.14	20.76	20.65	21.27	21.76	20.10	20.72	20.62	21.23	21.72
	8H	20.26	20.81	20.77	21.30	21.86	20.23	20.77	20.73	21.26	21.82