

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: P997304

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

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997304
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-MID
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

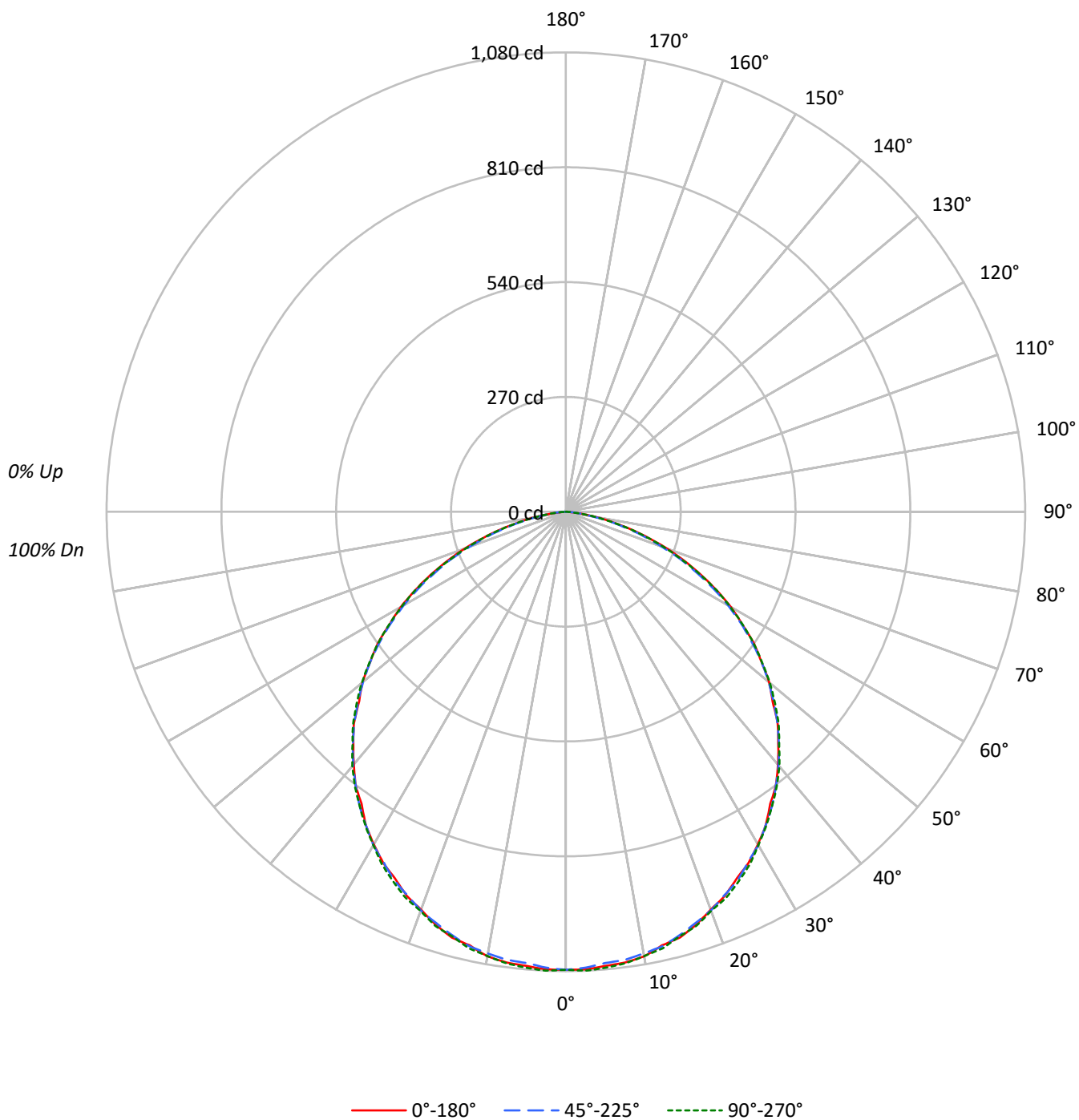
Lumens per Lamp: N/A
Luminaire Lumens: 2915.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P997304

CATALOG NUMBER: FSP-14-L3C3-CP187-3500K-MID

Luminous Intensity Polar Plot



TEST NUMBER: P997304

CATALOG NUMBER: FSP-14-L3C3-CP187-3500K-MID

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°	3742	3742	3742
5°	3739	3714	3753
10°	3746	3721	3742
15°	3728	3709	3717
20°	3681	3689	3693
25°	3645	3665	3680
30°	3623	3631	3631
35°	3554	3585	3585
40°	3520	3529	3543
45°	3463	3458	3478
50°	3375	3364	3386
55°	3271	3234	3265
60°	3116	3060	3095
65°	2884	2792	2860
70°	2572	2438	2521
75°	2089	1966	2061
80°	1445	1343	1425
85°	690	610	650

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3478 cd/sqm

TEST NUMBER: P997304

CATALOG NUMBER: FSP-14-L3C3-CP187-3500K-MID

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	3.5
10°-20°	291.4	10.0
20°-30°	440.4	15.1
30°-40°	528.6	18.1
40°-50°	543.8	18.7
50°-60°	479.5	16.4
60°-70°	341.9	11.7
70°-80°	162.4	5.6
80°-90°	25.3	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°	833.6	28.6
0°-40°	1362.2	46.7
0°-60°	2385.5	81.8
0°-90°	2915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1072	1072	1065	1073	1076	102
15°	1036	1032	1031	1034	1033	292
25°	951	954	956	958	960	439
35°	838	844	845	849	845	527
45°	705	708	704	708	708	541
55°	540	540	534	537	539	480
65°	351	349	340	345	348	347
75°	156	155	146	148	154	167
85°	17	16	15	15	16	26
90°	0	0	0	0	0	

TEST NUMBER: P997304

CATALOG NUMBER: FSP-14-L3C3-CP187-3500K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.9	1076.9	1076.9	1076.9	1076.9
2.5°	1076.9	1074.8	1072.8	1075.9	1079.9
5°	1071.8	1071.8	1064.7	1072.8	1075.9
7.5°	1068.7	1062.6	1062.6	1066.7	1070.8
10°	1061.6	1055.5	1054.5	1058.6	1060.6
12.5°	1044.3	1044.3	1046.4	1047.4	1051.5
15°	1036.2	1032.1	1031.1	1034.2	1033.1
17.5°	1017.9	1014.8	1013.8	1019.9	1020.9
20°	995.5	996.5	997.6	998.6	998.6
22.5°	977.2	978.2	975.2	985.4	983.3
25°	950.8	953.8	955.9	957.9	959.9
27.5°	930.4	928.4	928.4	932.5	935.5
30°	903.0	902.0	905.0	907.1	905.0
32.5°	874.5	875.5	874.5	877.6	876.5
35°	837.9	844.0	845.0	849.1	845.0
37.5°	811.5	811.5	811.5	814.5	814.5
40°	775.9	778.9	777.9	784.0	781.0
42.5°	739.3	742.3	741.3	748.4	742.3
45°	704.7	707.7	703.7	707.7	707.7
47.5°	658.9	664.0	663.0	670.1	667.1
50°	624.4	628.4	622.3	625.4	626.4
52.5°	579.6	583.7	579.6	581.7	581.7
55°	540.0	540.0	533.9	536.9	538.9
57.5°	491.2	494.2	488.1	490.1	492.2
60°	448.4	447.4	440.3	441.3	445.4
62.5°	399.6	398.6	391.5	392.5	398.6
65°	350.8	348.8	339.6	344.7	347.8
67.5°	302.0	301.0	291.8	292.9	296.9
70°	253.2	252.2	240.0	244.1	248.1
72.5°	203.4	202.4	193.2	196.3	201.3
75°	155.6	154.6	146.4	148.5	153.5
77.5°	112.9	109.8	104.7	107.8	110.8
80°	72.2	72.2	67.1	70.2	71.2
82.5°	39.7	39.7	37.6	38.6	39.7
85°	17.3	16.3	15.3	15.3	16.3
87.5°	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P997304

CATALOG NUMBER: FSP-14-L3C3-CP187-3500K-MID

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	16.32	17.93	16.69	18.24	18.56	16.27	17.88	16.64	18.20	18.51
	3H	17.89	19.34	18.27	19.67	20.03	17.80	19.25	18.18	19.58	19.94
	4H	18.36	19.73	18.76	20.08	20.45	18.26	19.63	18.66	19.97	20.35
	6H	18.61	19.87	19.02	20.23	20.62	18.51	19.77	18.92	20.13	20.52
	8H	18.64	19.84	19.07	20.23	20.63	18.54	19.74	18.96	20.13	20.53
	12H	18.64	19.79	19.07	20.17	20.60	18.54	19.69	18.97	20.07	20.50
4H	2H	16.86	18.22	17.26	18.57	18.95	16.82	18.18	17.22	18.53	18.91
	3H	18.62	19.75	19.03	20.15	20.55	18.53	19.67	18.94	20.06	20.46
	4H	19.19	20.21	19.62	20.63	21.06	19.09	20.11	19.52	20.52	20.96
	6H	19.52	20.40	19.97	20.85	21.30	19.41	20.30	19.86	20.74	21.20
	8H	19.57	20.40	20.03	20.84	21.30	19.46	20.29	19.92	20.73	21.20
	12H	19.58	20.32	20.06	20.80	21.27	19.47	20.21	19.95	20.69	21.16
8H	4H	19.37	20.20	19.83	20.64	21.11	19.27	20.10	19.74	20.55	21.01
	6H	19.75	20.43	20.24	20.92	21.40	19.65	20.33	20.14	20.82	21.30
	8H	19.82	20.44	20.33	20.94	21.43	19.72	20.34	20.23	20.85	21.33
	12H	19.86	20.40	20.36	20.89	21.45	19.75	20.30	20.26	20.79	21.35
12H	4H	19.37	20.11	19.85	20.59	21.06	19.28	20.02	19.76	20.50	20.97
	6H	19.74	20.36	20.25	20.87	21.35	19.65	20.26	20.16	20.77	21.26
	8H	19.85	20.39	20.36	20.88	21.45	19.75	20.29	20.26	20.79	21.35