

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: P997320

Luminaire Tested: FSP-14-L3C3-CP375-3500K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-19)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP375-3500K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

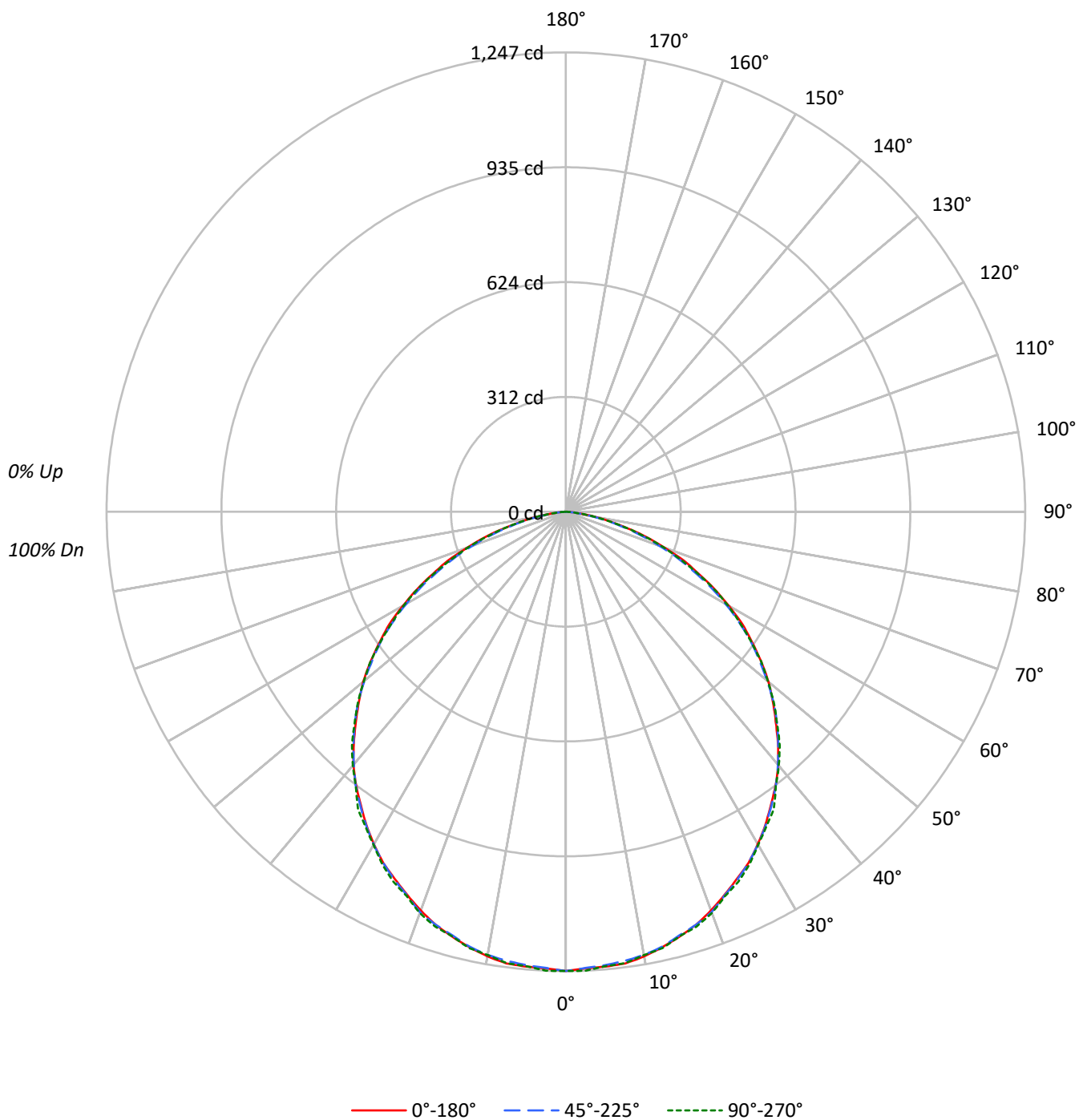
Lumens per Lamp: N/A
Luminaire Lumens: 3335.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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	99	96	93		95	92	90		91
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47
8	61	48	40	34	60	47	39	34	46	39	33		45	38	33		44
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4332	4332	4332
5°	4322	4310	4318
10°	4324	4311	4311
15°	4296	4283	4292
20°	4259	4278	4287
25°	4215	4224	4248
30°	4180	4185	4190
35°	4117	4128	4176
40°	4068	4063	4080
45°	3959	3984	3984
50°	3883	3856	3870
55°	3739	3708	3716
60°	3551	3481	3525
65°	3266	3153	3225
70°	2894	2729	2856
75°	2331	2196	2315
80°	1649	1501	1599
85°	698	646	746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3984 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	3.5
10°-20°	337.3	10.1
20°-30°	508.6	15.3
30°-40°	609.1	18.3
40°-50°	623.8	18.7
50°-60°	546.2	16.4
60°-70°	384.6	11.5
70°-80°	180.0	5.4
80°-90°	27.6	0.8
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°	963.8	28.9
0°-40°	1572.9	47.2
0°-60°	2742.8	82.2
0°-90°	3335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3335.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1239	1240	1236	1244	1238	118
15°	1194	1196	1190	1199	1193	337
25°	1099	1104	1102	1108	1108	507
35°	971	971	973	977	984	608
45°	806	804	811	811	811	623
55°	617	612	612	612	613	552
65°	397	390	384	382	392	395
75°	174	170	164	164	172	188
85°	18	18	16	16	19	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1246.7	1246.7	1246.7	1246.7	1246.7
2.5°	1240.5	1246.7	1239.2	1246.7	1246.7
5°	1239.2	1240.5	1235.5	1244.2	1238.0
7.5°	1236.7	1235.5	1229.2	1236.7	1235.5
10°	1225.5	1225.5	1221.7	1226.7	1221.7
12.5°	1210.5	1211.7	1209.2	1214.2	1213.0
15°	1194.2	1195.5	1190.5	1199.2	1193.0
17.5°	1175.5	1175.5	1175.5	1178.0	1180.5
20°	1151.8	1153.0	1156.8	1159.3	1159.3
22.5°	1125.5	1125.5	1126.8	1130.5	1129.3
25°	1099.3	1104.3	1101.8	1108.0	1108.0
27.5°	1074.3	1075.6	1074.3	1079.3	1079.3
30°	1041.8	1038.1	1043.1	1046.8	1044.3
32.5°	1008.1	1004.4	1009.4	1014.4	1013.1
35°	970.6	970.6	973.1	976.9	984.4
37.5°	935.7	933.2	936.9	939.4	936.9
40°	896.9	893.2	895.7	894.4	899.4
42.5°	852.0	852.0	853.2	854.5	859.5
45°	805.7	804.5	810.7	810.7	810.7
47.5°	762.0	763.3	764.5	765.8	765.8
50°	718.3	713.3	713.3	713.3	715.8
52.5°	668.3	663.3	662.1	660.8	668.3
55°	617.1	612.1	612.1	612.1	613.4
57.5°	568.4	558.4	557.1	553.4	559.6
60°	510.9	503.4	500.9	497.2	507.2
62.5°	456.0	448.5	443.5	441.0	452.2
65°	397.2	389.8	383.5	382.3	392.2
67.5°	347.3	333.5	328.5	327.3	334.8
70°	284.8	276.1	268.6	271.1	281.1
72.5°	232.4	222.4	216.1	216.1	226.1
75°	173.6	169.9	163.6	163.6	172.4
77.5°	124.9	121.2	114.9	117.4	122.4
80°	82.4	77.5	75.0	75.0	79.9
82.5°	46.2	42.5	41.2	41.2	43.7
85°	17.5	17.5	16.2	16.2	18.7
87.5°	3.7	3.7	3.7	2.5	3.7
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	16.74	18.34	17.10	18.65	18.97	16.66	18.27	17.03	18.58	18.90
	3H	18.28	19.72	18.65	20.05	20.41	18.17	19.62	18.55	19.94	20.30
	4H	18.74	20.09	19.14	20.44	20.82	18.63	19.98	19.03	20.33	20.71
	6H	18.97	20.23	19.38	20.59	20.98	18.86	20.11	19.27	20.48	20.87
	8H	19.01	20.20	19.43	20.59	20.99	18.89	20.08	19.31	20.47	20.87
	12H	19.01	20.15	19.44	20.53	20.96	18.89	20.03	19.32	20.41	20.84
4H	2H	17.27	18.63	17.67	18.97	19.35	17.21	18.57	17.61	18.92	19.29
	3H	18.99	20.12	19.40	20.51	20.91	18.89	20.02	19.30	20.42	20.82
	4H	19.54	20.56	19.97	20.97	21.41	19.43	20.45	19.86	20.86	21.30
	6H	19.85	20.74	20.31	21.18	21.64	19.74	20.62	20.19	21.06	21.52
	8H	19.90	20.73	20.37	21.17	21.64	19.78	20.61	20.25	21.05	21.52
	12H	19.92	20.65	20.40	21.13	21.60	19.80	20.53	20.28	21.01	21.48
8H	4H	19.71	20.54	20.17	20.98	21.44	19.61	20.44	20.07	20.88	21.35
	6H	20.07	20.76	20.57	21.25	21.72	19.97	20.65	20.46	21.14	21.61
	8H	20.15	20.76	20.66	21.26	21.75	20.03	20.64	20.55	21.15	21.64
	12H	20.18	20.71	20.68	21.21	21.77	20.06	20.60	20.57	21.09	21.65
12H	4H	19.71	20.45	20.19	20.92	21.39	19.61	20.35	20.09	20.83	21.30
	6H	20.07	20.68	20.58	21.19	21.67	19.96	20.57	20.47	21.08	21.57
	8H	20.17	20.71	20.68	21.20	21.76	20.06	20.60	20.57	21.09	21.65