

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: P997317

Luminaire Tested: FSP-14-L3C3-CP375-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997317
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-CP375-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

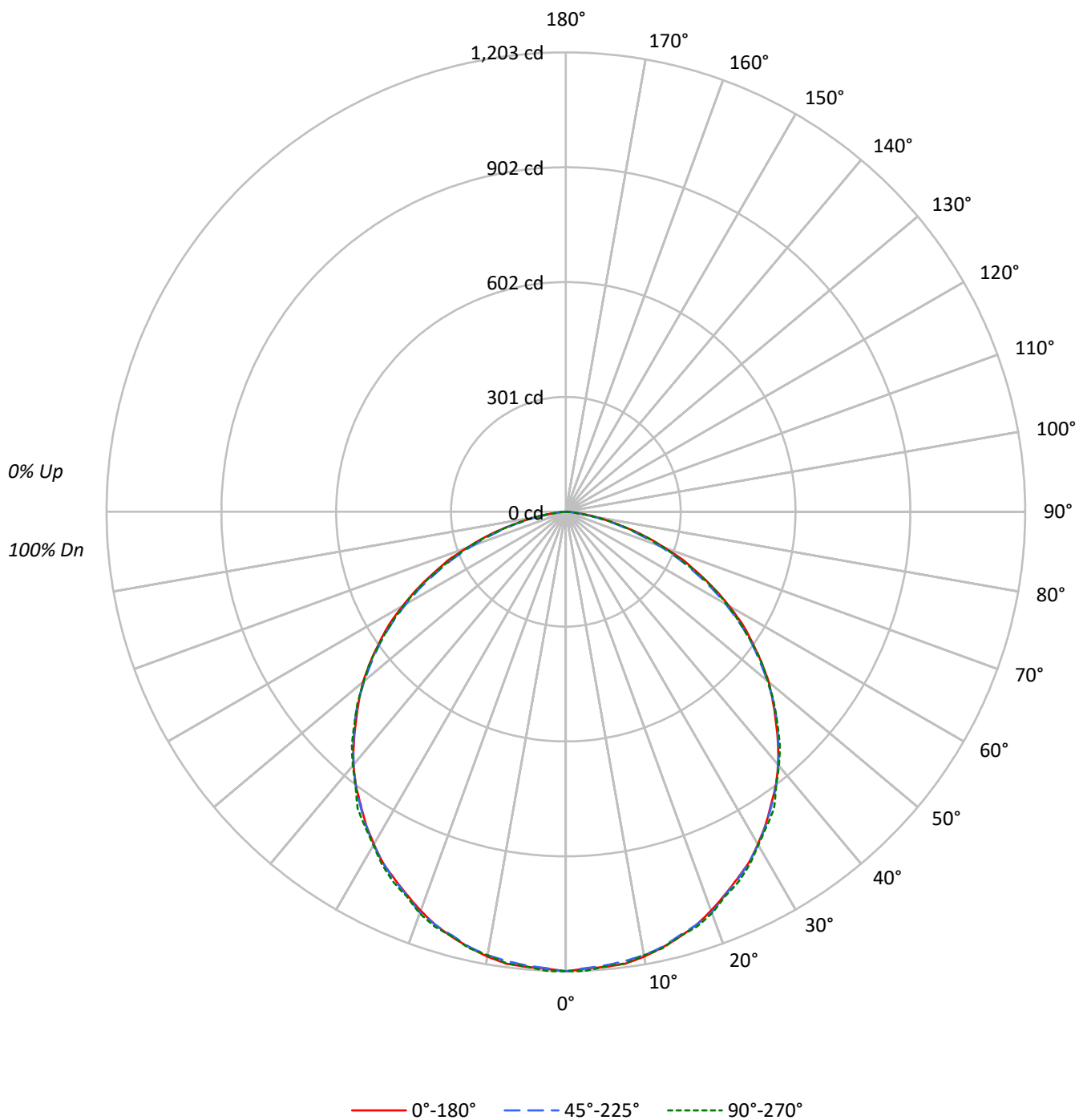
Lumens per Lamp: N/A
Luminaire Lumens: 3219.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

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°	4181	4181	4181
5°	4172	4160	4168
10°	4173	4161	4161
15°	4147	4134	4142
20°	4111	4129	4138
25°	4068	4078	4101
30°	4035	4040	4045
35°	3974	3985	4030
40°	3927	3921	3938
45°	3822	3845	3845
50°	3748	3722	3735
55°	3608	3579	3586
60°	3428	3360	3402
65°	3152	3044	3113
70°	2793	2633	2756
75°	2250	2121	2234
80°	1593	1447	1545
85°	674	626	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	3.5
10°-20°	325.5	10.1
20°-30°	490.9	15.3
30°-40°	587.9	18.3
40°-50°	602.0	18.7
50°-60°	527.2	16.4
60°-70°	371.2	11.5
70°-80°	173.8	5.4
80°-90°	26.6	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°	930.3	28.9
0°-40°	1518.1	47.2
0°-60°	2647.4	82.2
0°-90°	3219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1203	1203	1203	1203	1203	
5°	1196	1197	1192	1201	1195	114
15°	1153	1154	1149	1158	1152	325
25°	1061	1066	1064	1070	1070	490
35°	937	937	939	943	950	587
45°	778	776	782	782	782	601
55°	596	591	591	591	592	533
65°	383	376	370	369	379	381
75°	168	164	158	158	166	182
85°	17	17	16	16	18	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1203.3	1203.3	1203.3	1203.3	1203.3
2.5°	1197.3	1203.3	1196.1	1203.3	1203.3
5°	1196.1	1197.3	1192.5	1200.9	1194.9
7.5°	1193.7	1192.5	1186.5	1193.7	1192.5
10°	1182.8	1182.8	1179.2	1184.0	1179.2
12.5°	1168.4	1169.6	1167.2	1172.0	1170.8
15°	1152.7	1153.9	1149.1	1157.5	1151.5
17.5°	1134.6	1134.6	1134.6	1137.0	1139.4
20°	1111.7	1112.9	1116.5	1118.9	1118.9
22.5°	1086.4	1086.4	1087.6	1091.2	1090.0
25°	1061.1	1065.9	1063.5	1069.5	1069.5
27.5°	1036.9	1038.2	1036.9	1041.8	1041.8
30°	1005.6	1002.0	1006.8	1010.4	1008.0
32.5°	973.0	969.4	974.2	979.1	977.9
35°	936.9	936.9	939.3	942.9	950.1
37.5°	903.1	900.7	904.3	906.7	904.3
40°	865.7	862.1	864.5	863.3	868.1
42.5°	822.3	822.3	823.5	824.7	829.6
45°	777.7	776.5	782.5	782.5	782.5
47.5°	735.5	736.7	737.9	739.1	739.1
50°	693.3	688.5	688.5	688.5	690.9
52.5°	645.1	640.3	639.0	637.8	645.1
55°	595.6	590.8	590.8	590.8	592.0
57.5°	548.6	539.0	537.8	534.1	540.2
60°	493.2	485.9	483.5	479.9	489.5
62.5°	440.1	432.9	428.0	425.6	436.5
65°	383.4	376.2	370.2	369.0	378.6
67.5°	335.2	321.9	317.1	315.9	323.1
70°	274.9	266.5	259.2	261.6	271.3
72.5°	224.3	214.6	208.6	208.6	218.2
75°	167.6	164.0	158.0	158.0	166.4
77.5°	120.6	117.0	110.9	113.3	118.2
80°	79.6	74.8	72.3	72.3	77.2
82.5°	44.6	41.0	39.8	39.8	42.2
85°	16.9	16.9	15.7	15.7	18.1
87.5°	3.6	3.6	3.6	2.4	3.6
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	16.61	18.22	16.98	18.53	18.85	16.54	18.15	16.91	18.46	18.77
	3H	18.15	19.60	18.53	19.92	20.29	18.05	19.49	18.43	19.82	20.18
	4H	18.62	19.97	19.01	20.32	20.70	18.50	19.86	18.90	20.21	20.58
	6H	18.85	20.10	19.26	20.47	20.86	18.73	19.99	19.14	20.35	20.74
	8H	18.88	20.08	19.31	20.47	20.87	18.76	19.96	19.19	20.35	20.75
	12H	18.88	20.03	19.31	20.41	20.84	18.76	19.91	19.19	20.29	20.72
4H	2H	17.15	18.50	17.55	18.85	19.23	17.09	18.45	17.49	18.79	19.17
	3H	18.86	19.99	19.27	20.39	20.79	18.77	19.90	19.18	20.30	20.70
	4H	19.42	20.43	19.85	20.85	21.28	19.31	20.33	19.74	20.74	21.18
	6H	19.73	20.62	20.19	21.06	21.51	19.61	20.50	20.07	20.94	21.40
	8H	19.78	20.61	20.24	21.05	21.52	19.66	20.49	20.12	20.93	21.40
	12H	19.79	20.53	20.27	21.01	21.48	19.67	20.41	20.15	20.89	21.36
8H	4H	19.59	20.41	20.05	20.86	21.32	19.49	20.31	19.95	20.76	21.22
	6H	19.95	20.63	20.45	21.12	21.60	19.84	20.52	20.34	21.01	21.49
	8H	20.02	20.63	20.54	21.14	21.63	19.91	20.52	20.42	21.03	21.52
	12H	20.05	20.59	20.56	21.08	21.65	19.94	20.48	20.45	20.97	21.53
12H	4H	19.59	20.32	20.07	20.80	21.27	19.49	20.23	19.97	20.70	21.17
	6H	19.95	20.56	20.46	21.06	21.55	19.84	20.45	20.35	20.96	21.44
	8H	20.05	20.59	20.56	21.08	21.64	19.94	20.48	20.45	20.97	21.53