

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: P997377

Luminaire Tested: FSP-22-L3C3-CP375-4000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-20)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-22-L3C3-CP375-4000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

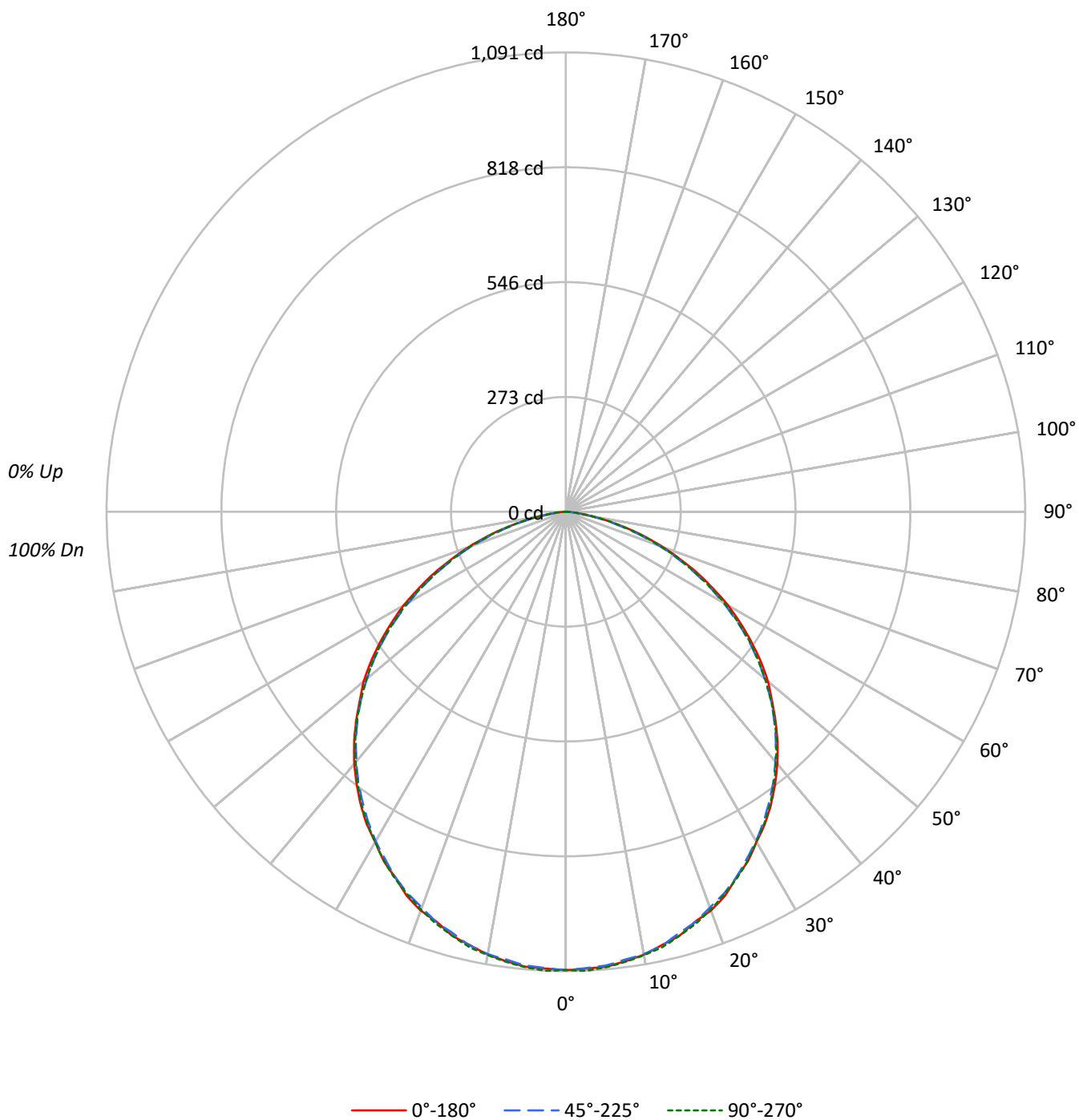
Lumens per Lamp: N/A
Luminaire Lumens: 2890.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.4
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	77	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	38		49	42	37		48
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44
9	57	44	36	30	56	44	36	30	42	35	30		41	35	30		40
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3567	3567	3567
5°	3568	3559	3572
10°	3553	3549	3558
15°	3536	3515	3536
20°	3514	3488	3506
25°	3463	3463	3473
30°	3426	3416	3426
35°	3397	3366	3387
40°	3343	3310	3321
45°	3266	3242	3254
50°	3195	3143	3149
55°	3069	3010	3032
60°	2917	2825	2858
65°	2678	2579	2598
70°	2353	2255	2292
75°	1895	1781	1846
80°	1279	1208	1279
85°	575	530	575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3266 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	3.6
10°-20°	293.4	10.2
20°-30°	441.6	15.3
30°-40°	528.2	18.3
40°-50°	540.3	18.7
50°-60°	472.4	16.3
60°-70°	332.3	11.5
70°-80°	154.9	5.4
80°-90°	24.1	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°	837.9	29.0
0°-40°	1366.0	47.3
0°-60°	2378.7	82.3
0°-90°	2890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2890.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1085	1081	1082	1080	1086	103
15°	1042	1041	1036	1039	1042	294
25°	958	959	958	957	961	443
35°	849	848	842	842	847	531
45°	705	702	700	700	702	544
55°	537	532	527	524	531	480
65°	345	339	333	331	335	341
75°	150	146	141	142	146	161
85°	15	14	14	15	15	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.5	1088.5	1088.5	1088.5	1088.5
2.5°	1086.0	1088.5	1084.7	1083.4	1091.1
5°	1084.7	1080.8	1082.1	1079.6	1086.0
7.5°	1077.0	1077.0	1073.2	1074.4	1078.3
10°	1068.0	1065.5	1066.8	1066.8	1069.3
12.5°	1054.0	1056.5	1055.3	1055.3	1059.1
15°	1042.5	1041.2	1036.1	1038.6	1042.5
17.5°	1020.7	1024.6	1022.0	1022.0	1025.8
20°	1007.9	1005.4	1000.3	1002.8	1005.4
22.5°	987.5	984.9	981.1	982.3	983.6
25°	958.0	959.3	958.0	956.8	960.6
27.5°	936.3	932.5	929.9	929.9	935.0
30°	905.6	908.2	903.0	903.0	905.6
32.5°	880.0	878.7	873.6	874.9	877.5
35°	849.3	848.0	841.6	841.6	846.8
37.5°	816.1	813.5	809.7	807.1	812.2
40°	781.5	781.5	773.9	771.3	776.4
42.5°	744.4	739.3	738.0	739.3	740.6
45°	704.8	702.2	699.7	699.7	702.2
47.5°	663.9	662.6	660.0	657.5	660.0
50°	626.8	619.1	616.5	616.5	617.8
52.5°	583.3	575.6	573.0	570.5	574.3
55°	537.2	532.1	527.0	524.4	530.8
57.5°	491.2	484.8	479.7	480.9	482.2
60°	445.1	436.2	431.1	429.8	436.2
62.5°	394.0	388.8	382.4	382.4	385.0
65°	345.4	339.0	332.6	331.3	335.1
67.5°	292.9	290.4	284.0	281.4	289.1
70°	245.6	237.9	235.4	232.8	239.2
72.5°	197.0	189.3	186.7	188.0	193.1
75°	149.7	145.8	140.7	142.0	145.8
77.5°	106.2	103.6	99.8	102.3	106.2
80°	67.8	66.5	64.0	65.2	67.8
82.5°	39.7	38.4	35.8	37.1	37.1
85°	15.3	14.1	14.1	15.3	15.3
87.5°	3.8	3.8	3.8	2.6	3.8
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	16.04	17.65	16.41	17.96	18.27	15.97	17.57	16.34	17.89	18.20
	3H	17.56	19.00	17.93	19.33	19.69	17.45	18.90	17.83	19.22	19.58
	4H	18.01	19.37	18.41	19.71	20.09	17.90	19.25	18.30	19.60	19.98
	6H	18.23	19.49	18.64	19.85	20.24	18.13	19.38	18.54	19.75	20.14
	8H	18.27	19.46	18.69	19.85	20.25	18.16	19.35	18.58	19.74	20.14
	12H	18.26	19.41	18.69	19.79	20.22	18.16	19.30	18.59	19.68	20.11
4H	2H	16.58	17.93	16.97	18.28	18.66	16.52	17.87	16.92	18.22	18.60
	3H	18.27	19.40	18.68	19.79	20.19	18.18	19.31	18.59	19.71	20.11
	4H	18.81	19.83	19.24	20.24	20.68	18.71	19.73	19.14	20.14	20.58
	6H	19.11	20.00	19.57	20.44	20.89	19.02	19.90	19.47	20.34	20.80
	8H	19.16	19.99	19.62	20.43	20.90	19.06	19.89	19.53	20.33	20.80
	12H	19.17	19.91	19.66	20.39	20.86	19.07	19.81	19.55	20.29	20.76
8H	4H	18.98	19.81	19.44	20.25	20.72	18.89	19.71	19.35	20.16	20.62
	6H	19.33	20.01	19.83	20.50	20.98	19.25	19.93	19.74	20.42	20.89
	8H	19.41	20.02	19.92	20.53	21.01	19.32	19.92	19.83	20.43	20.92
	12H	19.44	19.98	19.95	20.47	21.03	19.34	19.88	19.85	20.37	20.94
12H	4H	18.98	19.72	19.46	20.19	20.66	18.89	19.63	19.37	20.10	20.57
	6H	19.33	19.94	19.84	20.45	20.93	19.24	19.85	19.75	20.36	20.85
	8H	19.43	19.97	19.94	20.46	21.02	19.34	19.88	19.85	20.37	20.93