

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: P997429

Luminaire Tested: FSP-24-L3C3-CP375-3500K-LOW

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-24-L3C3-CP375-3500K-LOW
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

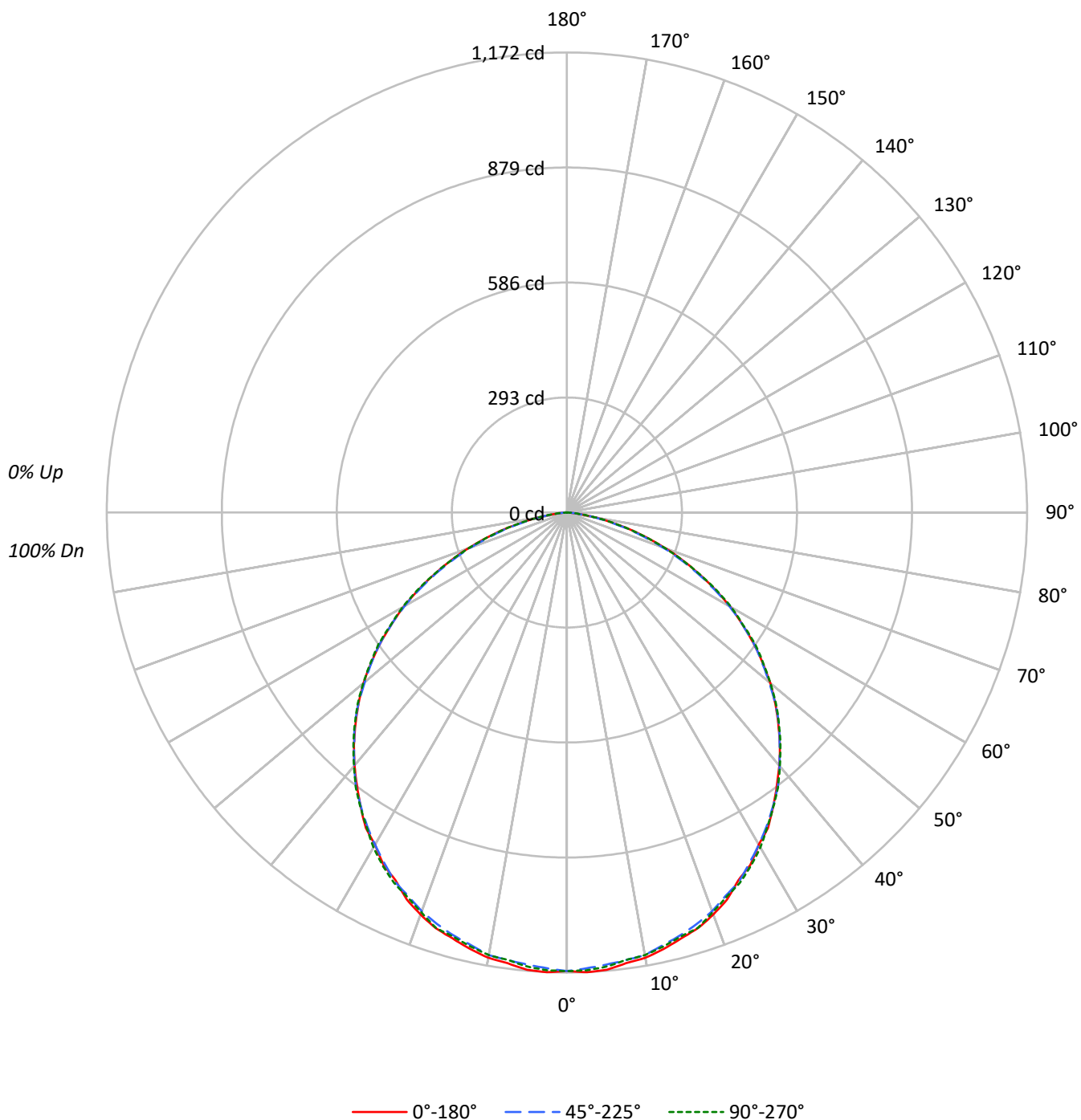
Lumens per Lamp: N/A
Luminaire Lumens: 3143.0 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 30.2
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

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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	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	87	81	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	70	62	56	68	61	55		66	60	55		64
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	38	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	27	52	40	33	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1820	1820	1820
5°	1828	1808	1816
10°	1822	1811	1811
15°	1812	1799	1804
20°	1807	1792	1797
25°	1776	1783	1790
30°	1758	1758	1773
35°	1741	1739	1743
40°	1711	1713	1715
45°	1677	1684	1684
50°	1638	1628	1641
55°	1574	1577	1591
60°	1496	1489	1508
65°	1373	1358	1380
70°	1221	1183	1216
75°	989	947	983
80°	683	637	683
85°	309	272	290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 1686 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.5
10°-20°	316.0	10.1
20°-30°	477.2	15.2
30°-40°	572.1	18.2
40°-50°	587.3	18.7
50°-60°	516.6	16.4
60°-70°	365.4	11.6
70°-80°	171.6	5.5
80°-90°	26.4	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°	903.6	28.8
0°-40°	1475.7	47.0
0°-60°	2579.6	82.1
0°-90°	3143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1169	1166	1156	1161	1161	111
15°	1124	1121	1116	1116	1118	318
25°	1033	1033	1037	1034	1041	478
35°	916	912	914	916	916	572
45°	761	759	764	765	764	587
55°	580	580	581	578	586	517
65°	372	367	368	366	374	369
75°	164	159	157	159	163	176
85°	17	17	15	16	16	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.3	1168.3	1168.3	1168.3	1168.3
2.5°	1172.3	1170.3	1162.2	1164.2	1167.2
5°	1169.3	1166.2	1156.1	1161.2	1161.2
7.5°	1158.1	1155.1	1150.0	1153.0	1150.0
10°	1152.0	1151.0	1144.9	1143.9	1144.9
12.5°	1138.8	1135.8	1128.7	1133.7	1132.7
15°	1123.6	1120.6	1115.5	1116.5	1118.5
17.5°	1110.4	1108.4	1099.2	1102.3	1109.4
20°	1090.1	1083.0	1081.0	1082.0	1084.0
22.5°	1066.8	1061.7	1056.6	1058.6	1060.7
25°	1033.3	1033.3	1037.3	1034.3	1041.4
27.5°	1012.0	1009.9	1006.9	1006.9	1015.0
30°	977.4	977.4	977.4	980.5	985.6
32.5°	953.1	949.0	947.0	948.0	950.0
35°	915.5	912.5	914.5	915.5	916.5
37.5°	878.0	877.0	882.0	879.0	883.0
40°	841.4	839.4	842.4	840.4	843.5
42.5°	802.9	798.8	801.8	803.9	804.9
45°	761.2	759.2	764.3	765.3	764.3
47.5°	719.6	716.6	719.6	722.7	722.7
50°	676.0	671.9	671.9	675.0	677.0
52.5°	628.3	624.2	626.3	629.3	630.3
55°	579.6	579.6	580.6	577.5	585.7
57.5°	528.8	524.8	528.8	526.8	530.8
60°	480.1	477.0	478.1	474.0	484.2
62.5°	426.3	423.3	422.2	421.2	430.4
65°	372.5	367.4	368.4	366.4	374.5
67.5°	320.7	315.7	313.6	313.6	319.7
70°	268.0	259.8	259.8	257.8	266.9
72.5°	215.2	209.1	206.0	208.1	215.2
75°	164.4	159.4	157.3	159.4	163.4
77.5°	116.7	114.7	111.6	113.7	117.7
80°	76.1	74.1	71.0	74.1	76.1
82.5°	41.6	40.6	38.6	40.6	40.6
85°	17.3	17.3	15.2	16.2	16.2
87.5°	5.1	4.1	4.1	3.0	3.0
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	13.71	15.32	14.08	15.63	15.95	13.73	15.34	14.10	15.65	15.97
	3H	15.25	16.69	15.62	17.02	17.38	15.25	16.69	15.63	17.02	17.38
	4H	15.71	17.07	16.11	17.42	17.79	15.71	17.07	16.11	17.41	17.79
	6H	15.94	17.20	16.35	17.57	17.96	15.94	17.20	16.35	17.56	17.96
	8H	15.97	17.17	16.40	17.56	17.96	15.97	17.17	16.40	17.56	17.96
	12H	15.97	17.12	16.40	17.50	17.93	15.97	17.12	16.40	17.50	17.93
4H	2H	14.27	15.63	14.67	15.98	16.36	14.29	15.65	14.69	16.00	16.38
	3H	15.98	17.12	16.39	17.51	17.91	15.98	17.11	16.39	17.51	17.91
	4H	16.54	17.55	16.97	17.97	18.40	16.53	17.55	16.96	17.96	18.40
	6H	16.85	17.73	17.30	18.18	18.63	16.84	17.73	17.30	18.17	18.63
	8H	16.90	17.72	17.36	18.17	18.63	16.89	17.72	17.35	18.16	18.63
	12H	16.91	17.65	17.39	18.12	18.59	16.90	17.64	17.38	18.12	18.59
8H	4H	16.72	17.54	17.18	17.99	18.45	16.71	17.54	17.17	17.98	18.45
	6H	17.08	17.76	17.57	18.25	18.73	17.08	17.76	17.57	18.25	18.72
	8H	17.15	17.76	17.66	18.27	18.76	17.15	17.76	17.66	18.26	18.75
	12H	17.18	17.72	17.69	18.21	18.77	17.17	17.71	17.68	18.20	18.77
12H	4H	16.72	17.46	17.20	17.93	18.40	16.71	17.45	17.19	17.93	18.40
	6H	17.08	17.69	17.59	18.20	18.68	17.07	17.68	17.58	18.19	18.68
	8H	17.18	17.72	17.68	18.21	18.77	17.17	17.71	17.68	18.20	18.76