

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365795

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4047.0 lumens  
Efficiency: N/A  
Efficacy: 55.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

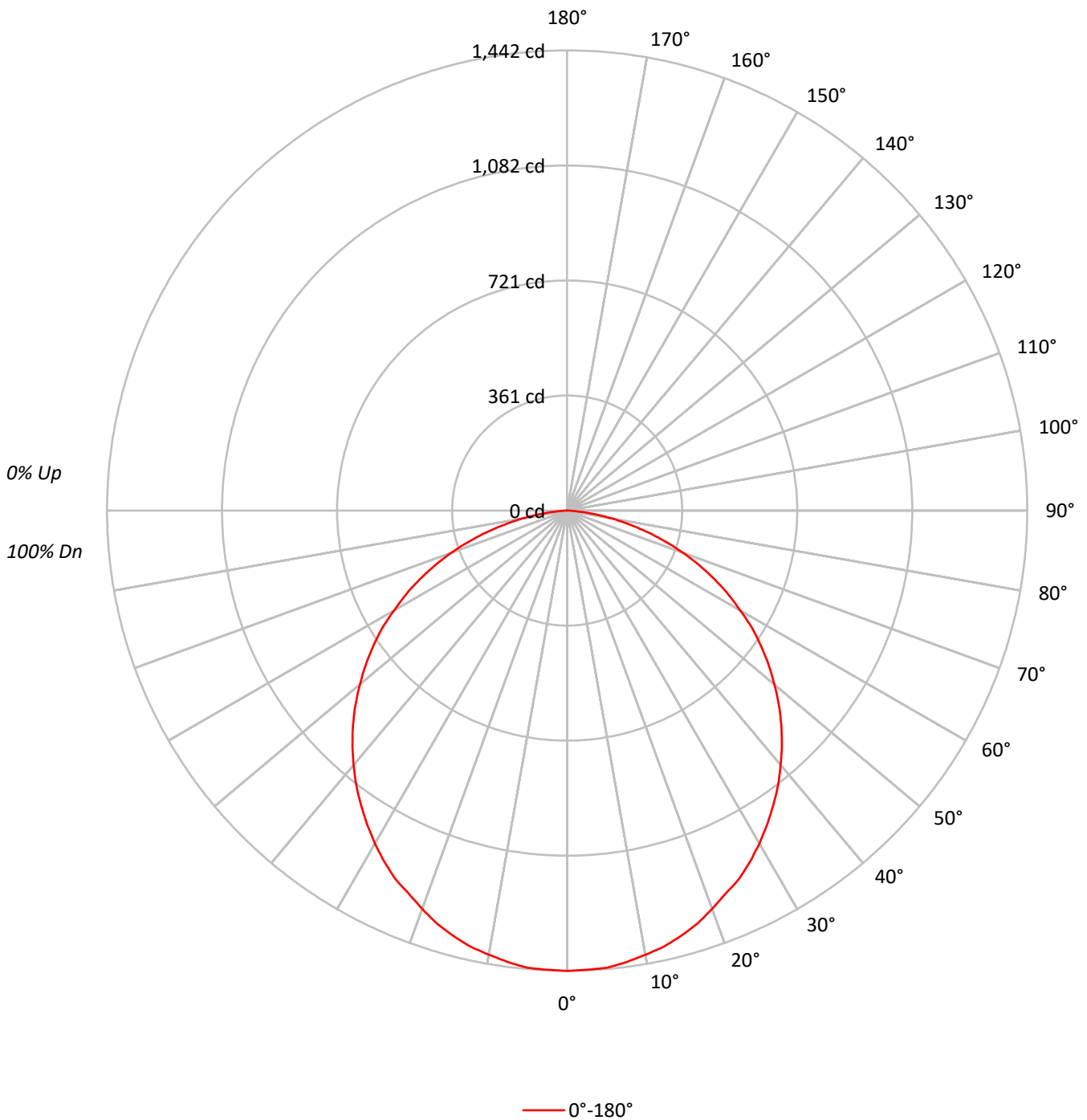
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	39400
5°	39427
10°	39197
15°	39013
20°	38603
25°	38403
30°	37994
35°	37551
40°	37116
45°	36656
50°	36032
55°	35360
60°	34193
65°	32911
70°	30812
75°	27461
80°	22227
85°	13351



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.4	3.4
10°-20°	389.0	9.6
20°-30°	586.2	14.5
30°-40°	704.9	17.4
40°-50°	731.5	18.1
50°-60°	663.0	16.4
60°-70°	503.1	12.4
70°-80°	275.2	6.8
80°-90°	57.6	1.4
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°	1111.6	27.5
0°-40°	1816.5	44.9
0°-60°	3211.1	79.3
0°-90°	4047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4047.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1442	
5°	1438	136
15°	1380	389
25°	1274	586
35°	1126	705
45°	949	732
55°	742	663
65°	509	503
75°	260	275
85°	43	58
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1442.4
2.5°	1440.2
5°	1437.9
7.5°	1426.7
10°	1413.2
12.5°	1399.8
15°	1379.6
17.5°	1357.2
20°	1328.0
22.5°	1298.8
25°	1274.2
27.5°	1240.5
30°	1204.6
32.5°	1166.5
35°	1126.1
37.5°	1085.7
40°	1040.9
42.5°	996.0
45°	948.9
47.5°	899.5
50°	847.9
52.5°	796.4
55°	742.5
57.5°	688.7
60°	625.9
62.5°	569.8
65°	509.2
67.5°	448.6
70°	385.8
72.5°	323.0
75°	260.2
77.5°	197.4
80°	141.3
82.5°	87.5
85°	42.6
87.5°	11.2
90°	0.0

(END OF REPORT)