

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: P366515

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)  
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-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4528.0 lumens  
Efficiency: N/A  
Efficacy: 61.7 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

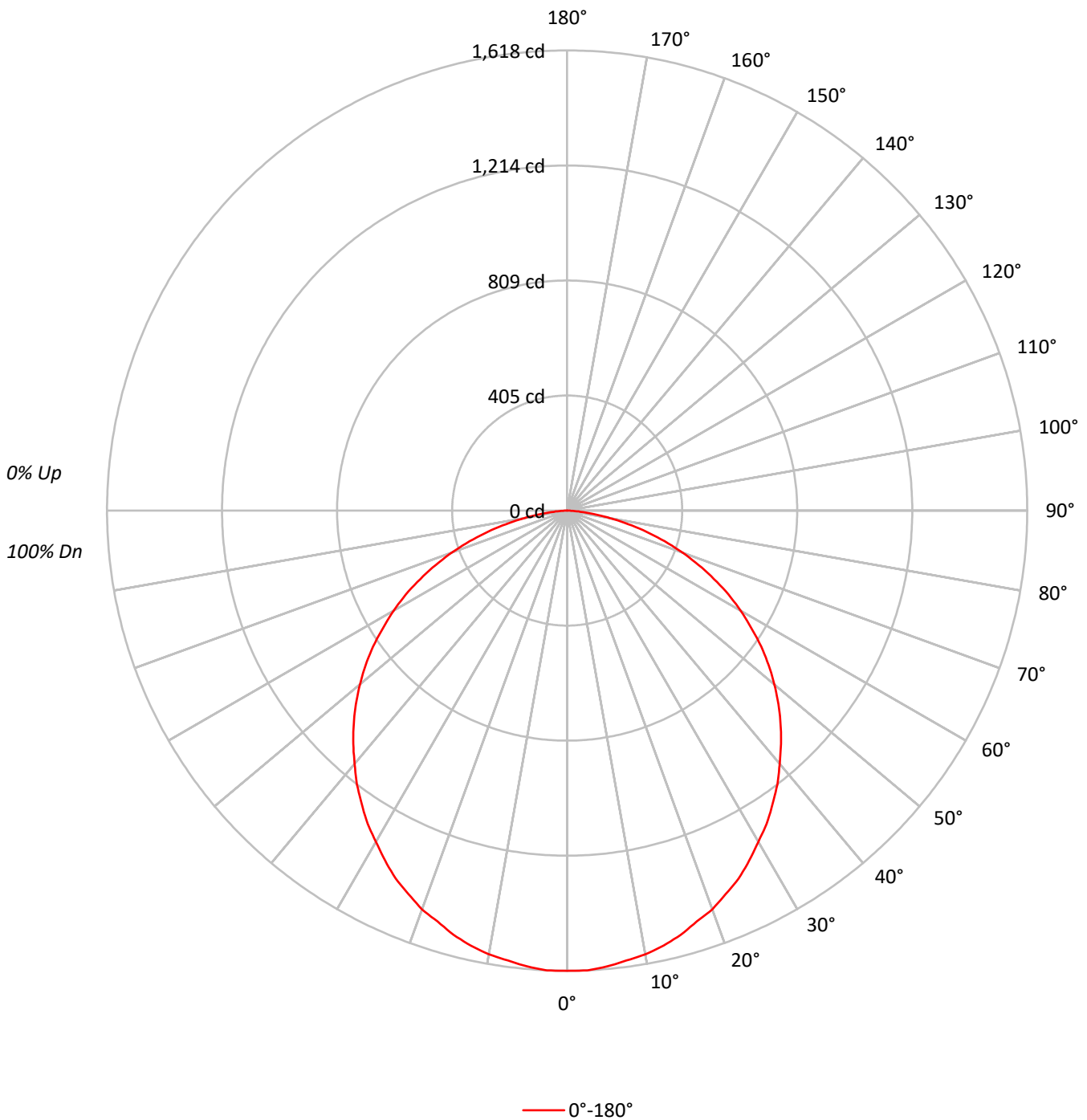
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	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	46	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°	44202
5°	44124
10°	43949
15°	43665
20°	43384
25°	43020
30°	42404
35°	41986
40°	41455
45°	41009
50°	40438
55°	39655
60°	38498
65°	36848
70°	34414
75°	30553
80°	24366
85°	14761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.7	3.4
10°-20°	435.4	9.6
20°-30°	656.6	14.5
30°-40°	788.2	17.4
40°-50°	818.6	18.1
50°-60°	742.9	16.4
60°-70°	563.6	12.4
70°-80°	306.1	6.8
80°-90°	63.8	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°	1244.8	27.5
0°-40°	2033.0	44.9
0°-60°	3594.5	79.4
0°-90°	4528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4528.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1618	
5°	1609	153
15°	1544	435
25°	1427	657
35°	1259	788
45°	1062	819
55°	833	743
65°	570	564
75°	290	306
85°	47	64
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1618.2
2.5°	1618.2
5°	1609.2
7.5°	1595.8
10°	1584.5
12.5°	1566.6
15°	1544.1
17.5°	1515.0
20°	1492.5
22.5°	1458.9
25°	1427.4
27.5°	1387.0
30°	1344.4
32.5°	1306.2
35°	1259.1
37.5°	1214.2
40°	1162.6
42.5°	1113.2
45°	1061.6
47.5°	1007.7
50°	951.6
52.5°	893.3
55°	832.7
57.5°	767.6
60°	704.7
62.5°	639.7
65°	570.1
67.5°	500.5
70°	430.9
72.5°	359.1
75°	289.5
77.5°	220.0
80°	154.9
82.5°	96.5
85°	47.1
87.5°	13.5
90°	0.0

(END OF REPORT)