

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: P365078

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365078  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)  
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-LI-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4902.0 lumens  
Efficiency: N/A  
Efficacy: 66.8 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

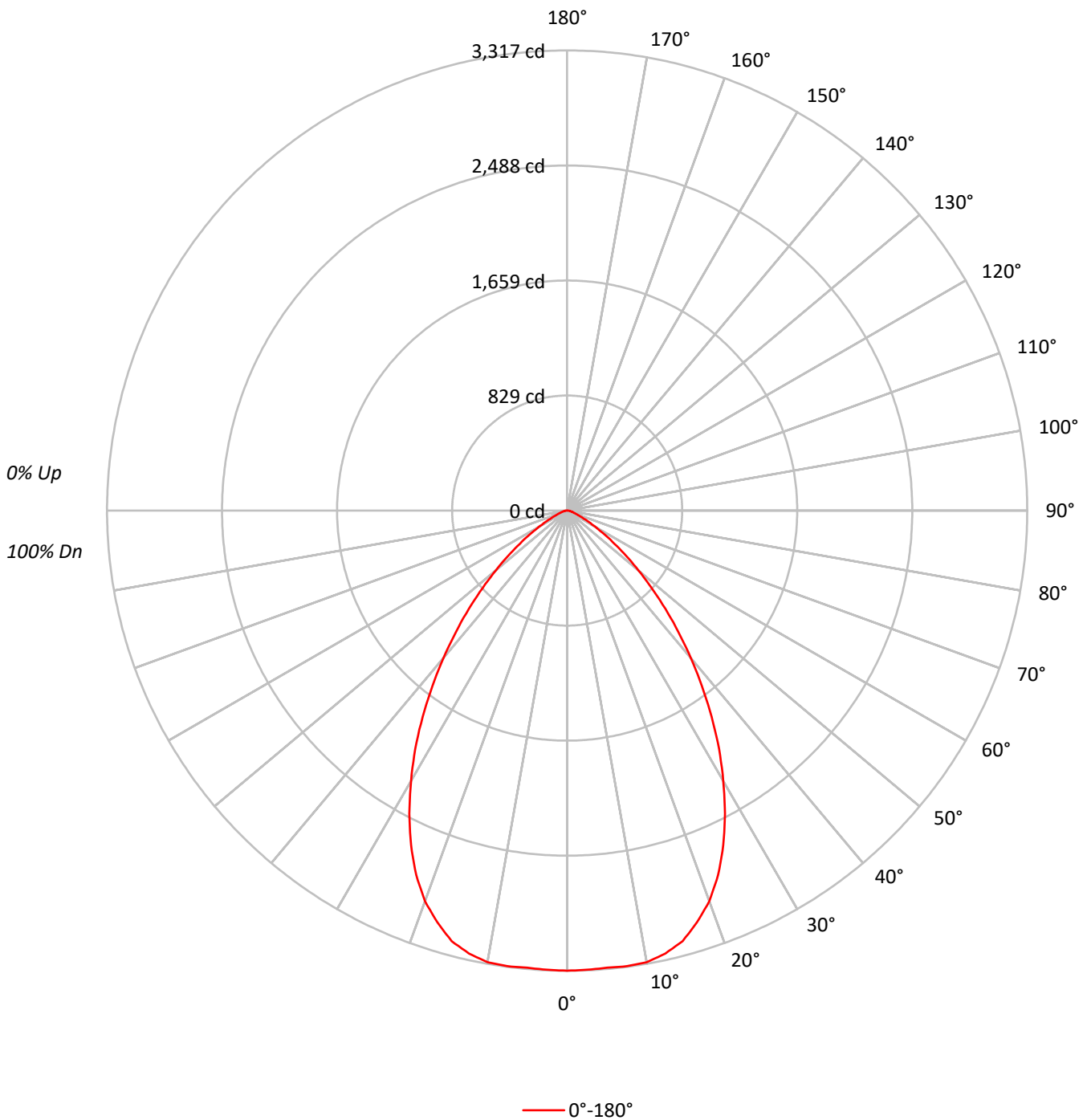
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

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

	0°
0°	237496
5°	237757
10°	240346
15°	238224
20°	228287
25°	210277
30°	186101
35°	158701
40°	129633
45°	101351
50°	74745
55°	51831
60°	33109
65°	20145
70°	13629
75°	10568
80°	9236
85°	12898



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.0	6.4
10°-20°	898.7	18.3
20°-30°	1215.6	24.8
30°-40°	1130.7	23.1
40°-50°	774.7	15.8
50°-60°	381.8	7.8
60°-70°	127.6	2.6
70°-80°	42.3	0.9
80°-90°	14.7	0.3
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°	2430.2	49.6
0°-40°	3560.9	72.6
0°-60°	4717.5	96.2
0°-90°	4902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4902.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3317	
5°	3308	316
15°	3214	899
25°	2662	1216
35°	1816	1131
45°	1001	775
55°	415	382
65°	119	128
75°	38	42
85°	16	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3316.9
2.5°	3312.4
5°	3307.9
7.5°	3312.4
10°	3305.7
12.5°	3269.8
15°	3213.7
17.5°	3110.5
20°	2996.0
22.5°	2843.4
25°	2661.6
27.5°	2464.1
30°	2250.9
32.5°	2037.7
35°	1815.6
37.5°	1595.6
40°	1386.9
42.5°	1184.9
45°	1000.9
47.5°	825.9
50°	671.0
52.5°	536.4
55°	415.2
57.5°	316.4
60°	231.2
62.5°	166.1
65°	118.9
67.5°	85.3
70°	65.1
72.5°	49.4
75°	38.2
77.5°	29.2
80°	22.4
82.5°	18.0
85°	15.7
87.5°	9.0
90°	0.0

(END OF REPORT)