

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: P365815

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365815  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3693.0 lumens  
Efficiency: N/A  
Efficacy: 50.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

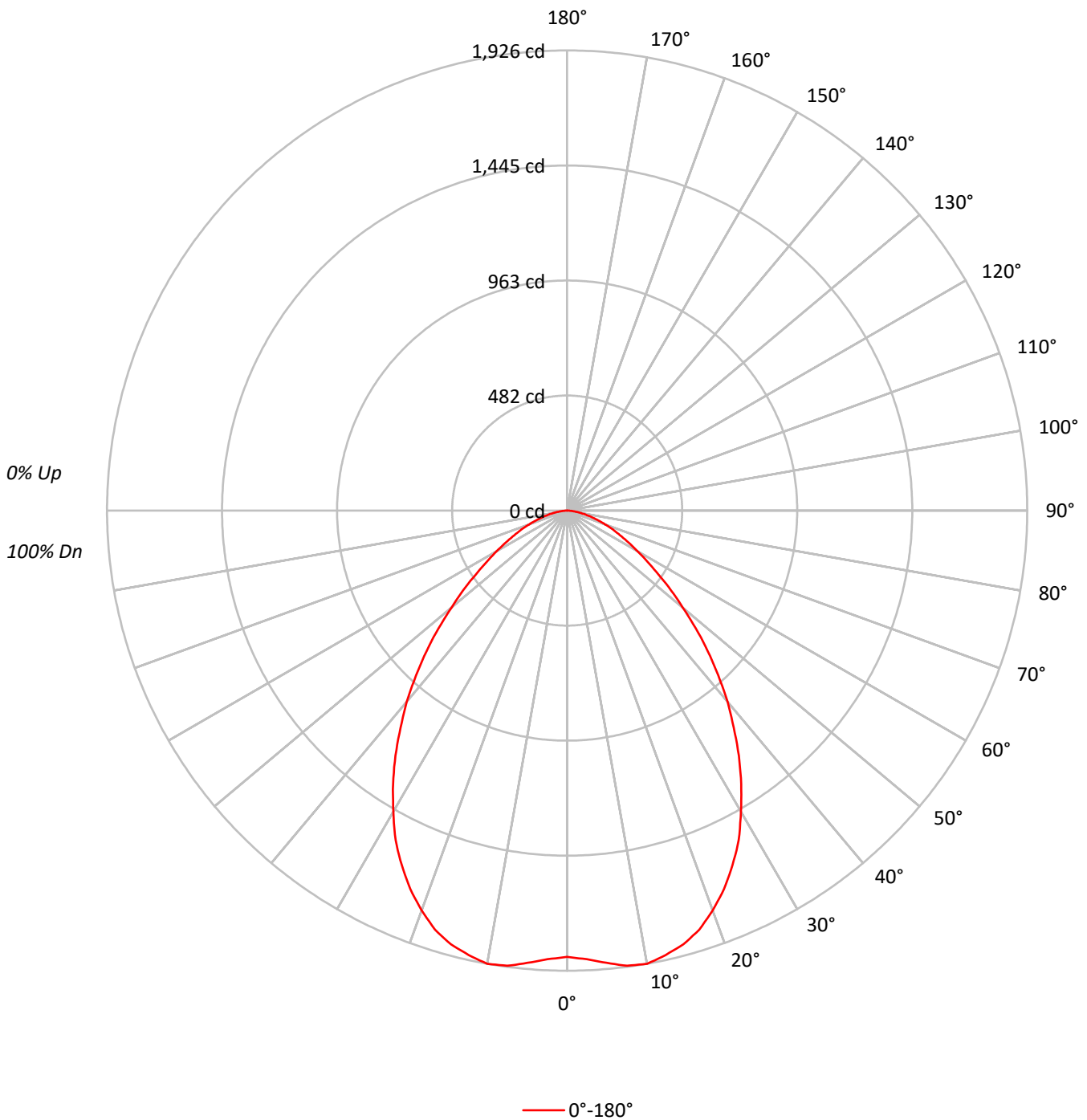
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32

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

	0°
0°	133724
5°	136592
10°	140047
15°	139308
20°	135692
25°	129377
30°	120264
35°	109516
40°	97592
45°	84340
50°	70300
55°	58285
60°	48718
65°	41340
70°	35359
75°	29214
80°	23215
85°	17334



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.3	4.9
10°-20°	527.9	14.3
20°-30°	750.8	20.3
30°-40°	780.7	21.1
40°-50°	641.6	17.4
50°-60°	423.7	11.5
60°-70°	245.5	6.6
70°-80°	114.4	3.1
80°-90°	26.2	0.7
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°	1461.0	39.6
0°-40°	2241.7	60.7
0°-60°	3307.0	89.5
0°-90°	3693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3693.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1868	
5°	1900	182
15°	1879	528
25°	1638	751
35°	1253	781
45°	833	642
55°	467	424
65°	244	246
75°	106	114
85°	21	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1867.6
2.5°	1879.3
5°	1900.4
7.5°	1921.5
10°	1926.2
12.5°	1905.1
15°	1879.3
17.5°	1839.4
20°	1780.8
22.5°	1715.1
25°	1637.6
27.5°	1555.5
30°	1454.6
32.5°	1356.1
35°	1252.9
37.5°	1144.9
40°	1044.1
42.5°	936.1
45°	832.9
47.5°	729.7
50°	631.1
52.5°	549.0
55°	466.9
57.5°	398.9
60°	340.2
62.5°	288.6
65°	244.0
67.5°	206.5
70°	168.9
72.5°	136.1
75°	105.6
77.5°	79.8
80°	56.3
82.5°	37.5
85°	21.1
87.5°	9.4
90°	0.0

(END OF REPORT)