

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: P364735

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364735  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2161.0 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

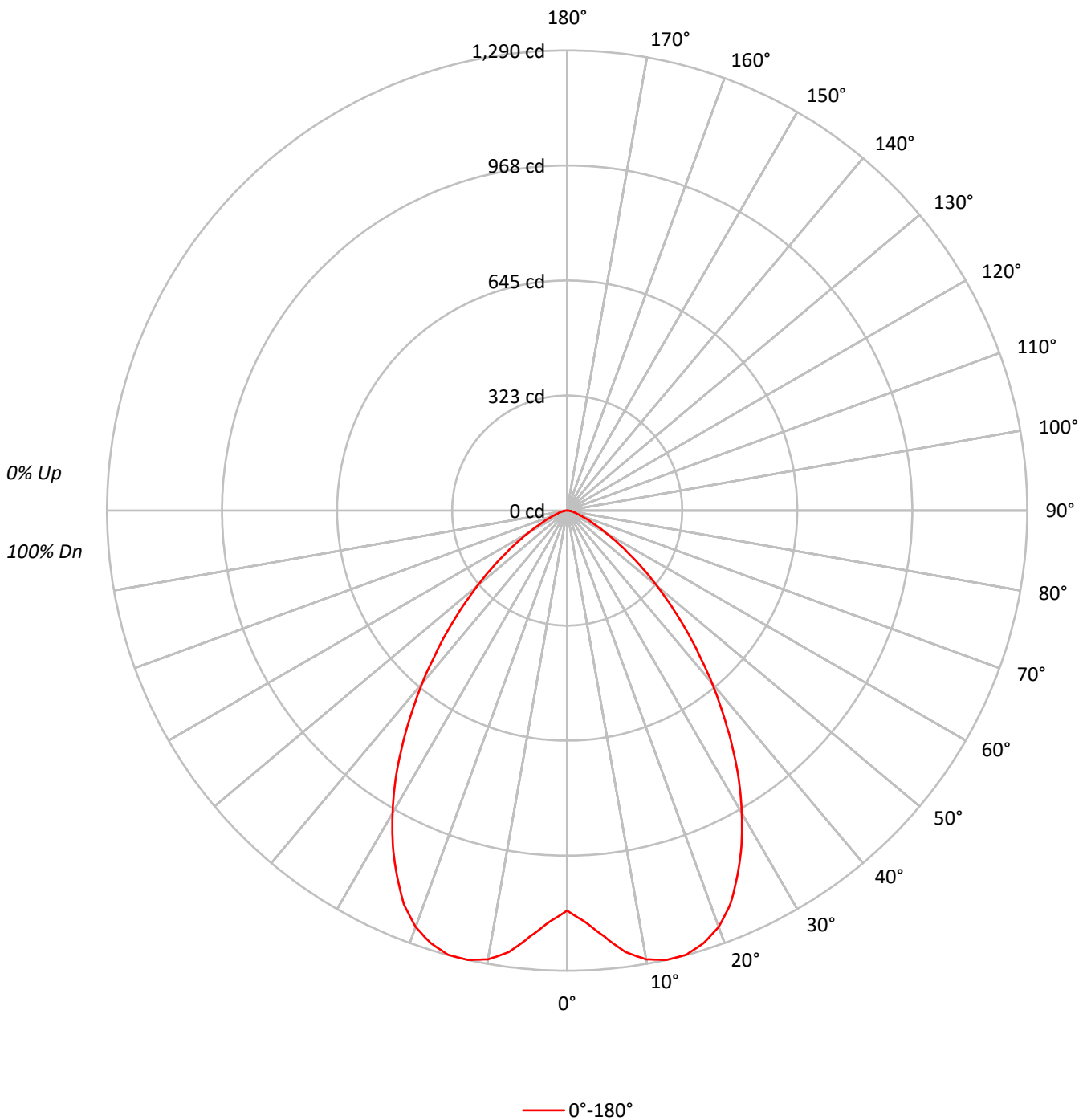
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

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

	0°
0°	80316
5°	86186
10°	92875
15°	95565
20°	94652
25°	89235
30°	80918
35°	70557
40°	59148
45°	47613
50°	36670
55°	26665
60°	18101
65°	11944
70°	7788
75°	5976
80°	5237
85°	6408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.1	5.4
10°-20°	361.7	16.7
20°-30°	516.4	23.9
30°-40°	502.4	23.2
40°-50°	363.4	16.8
50°-60°	194.8	9.0
60°-70°	73.4	3.4
70°-80°	24.1	1.1
80°-90°	7.6	0.4
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°	995.2	46.1
0°-40°	1497.6	69.3
0°-60°	2055.8	95.1
0°-90°	2161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2161.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1122	
5°	1199	117
15°	1289	362
25°	1130	516
35°	807	502
45°	470	363
55°	214	195
65°	70	73
75°	22	24
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1121.7
2.5°	1154.0
5°	1199.1
7.5°	1248.1
10°	1277.4
12.5°	1290.2
15°	1289.2
17.5°	1271.6
20°	1242.2
22.5°	1195.2
25°	1129.5
27.5°	1059.0
30°	978.7
32.5°	896.4
35°	807.2
37.5°	717.1
40°	632.8
42.5°	546.6
45°	470.2
47.5°	395.8
50°	329.2
52.5°	267.4
55°	213.6
57.5°	167.5
60°	126.4
62.5°	95.0
65°	70.5
67.5°	50.9
70°	37.2
72.5°	28.4
75°	21.6
77.5°	16.7
80°	12.7
82.5°	9.8
85°	7.8
87.5°	3.9
90°	0.0

(END OF REPORT)