

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: P365478

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365478  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1740.0 lumens  
Efficiency: N/A  
Efficacy: 64.4 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

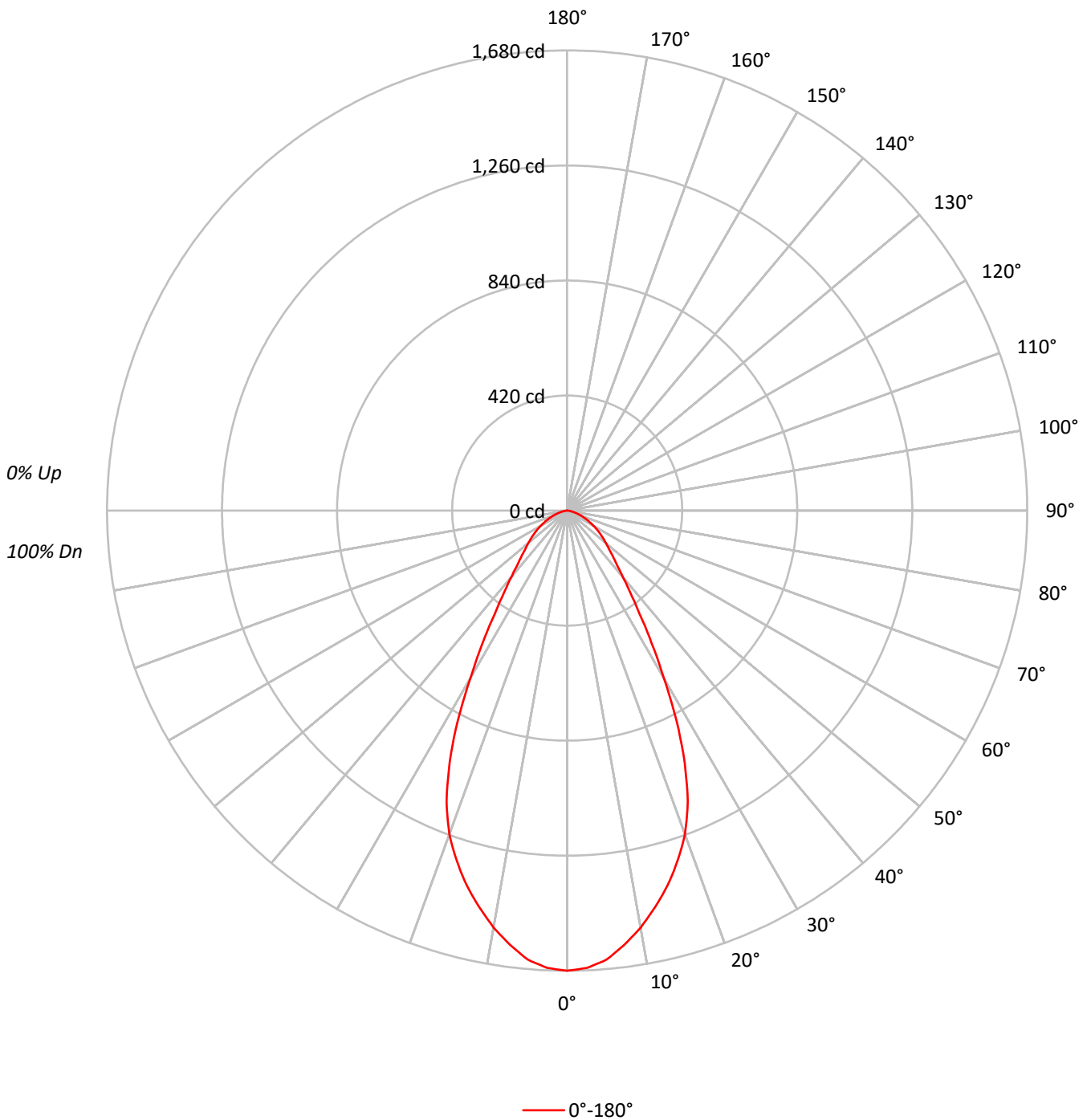
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	103	110	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

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

	0°
0°	120284
5°	118300
10°	112397
15°	105024
20°	95833
25°	80236
30°	58404
35°	40410
40°	29555
45°	23806
50°	20619
55°	18238
60°	15910
65°	13554
70°	11096
75°	8299
80°	5773
85°	4929



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.7	8.8
10°-20°	395.7	22.7
20°-30°	456.8	26.3
30°-40°	297.9	17.1
40°-50°	184.9	10.6
50°-60°	131.3	7.5
60°-70°	79.8	4.6
70°-80°	33.0	1.9
80°-90°	6.8	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°	1006.2	57.8
0°-40°	1304.1	74.9
0°-60°	1620.3	93.1
0°-90°	1740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1740.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1680	
5°	1646	154
15°	1417	396
25°	1016	457
35°	462	298
45°	235	185
55°	146	131
65°	80	80
75°	30	33
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1679.9
2.5°	1670.9
5°	1645.9
7.5°	1598.9
10°	1545.9
12.5°	1482.8
15°	1416.8
17.5°	1340.7
20°	1257.7
22.5°	1150.6
25°	1015.6
27.5°	864.5
30°	706.4
32.5°	574.3
35°	462.3
37.5°	379.2
40°	316.2
42.5°	269.1
45°	235.1
47.5°	207.1
50°	185.1
52.5°	165.1
55°	146.1
57.5°	129.1
60°	111.1
62.5°	95.1
65°	80.0
67.5°	66.0
70°	53.0
72.5°	41.0
75°	30.0
77.5°	21.0
80°	14.0
82.5°	9.0
85°	6.0
87.5°	3.0
90°	0.0

(END OF REPORT)