

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: P365445

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365445  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1668.0 lumens  
Efficiency: N/A  
Efficacy: 61.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

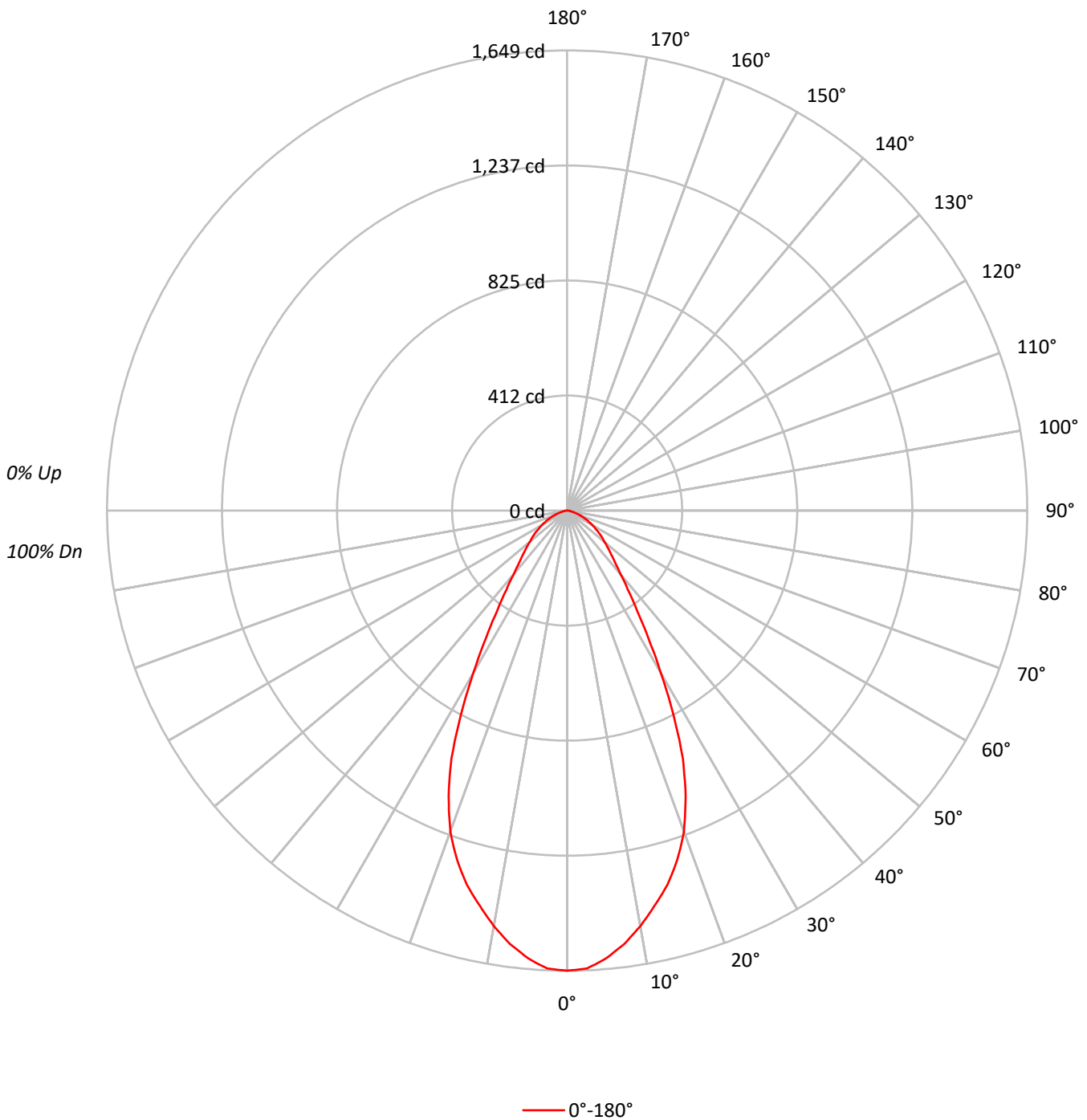
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	118064
5°	115748
10°	109932
15°	102911
20°	93280
25°	77463
30°	55568
35°	38102
40°	27947
45°	22682
50°	19527
55°	17314
60°	15036
65°	12707
70°	10007
75°	7248
80°	4618
85°	5422



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.6	9.0
10°-20°	387.0	23.2
20°-30°	439.4	26.3
30°-40°	281.2	16.9
40°-50°	175.7	10.5
50°-60°	124.4	7.5
60°-70°	74.4	4.5
70°-80°	29.0	1.7
80°-90°	6.4	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°	976.9	58.6
0°-40°	1258.2	75.4
0°-60°	1558.2	93.4
0°-90°	1668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1668.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1649	
5°	1610	151
15°	1388	387
25°	980	439
35°	436	281
45°	224	176
55°	139	124
65°	75	74
75°	26	29
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1648.9
2.5°	1642.3
5°	1610.4
7.5°	1566.4
10°	1512.0
12.5°	1449.2
15°	1388.3
17.5°	1312.3
20°	1224.2
22.5°	1109.9
25°	980.5
27.5°	824.0
30°	672.1
32.5°	539.9
35°	435.9
37.5°	358.1
40°	299.0
42.5°	255.0
45°	224.0
47.5°	197.8
50°	175.3
52.5°	157.5
55°	138.7
57.5°	120.9
60°	105.0
62.5°	89.1
65°	75.0
67.5°	60.9
70°	47.8
72.5°	36.6
75°	26.2
77.5°	17.8
80°	11.2
82.5°	7.5
85°	6.6
87.5°	3.7
90°	0.0

(END OF REPORT)