

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: P365443

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)  
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-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1625.0 lumens  
Efficiency: N/A  
Efficacy: 60.2 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

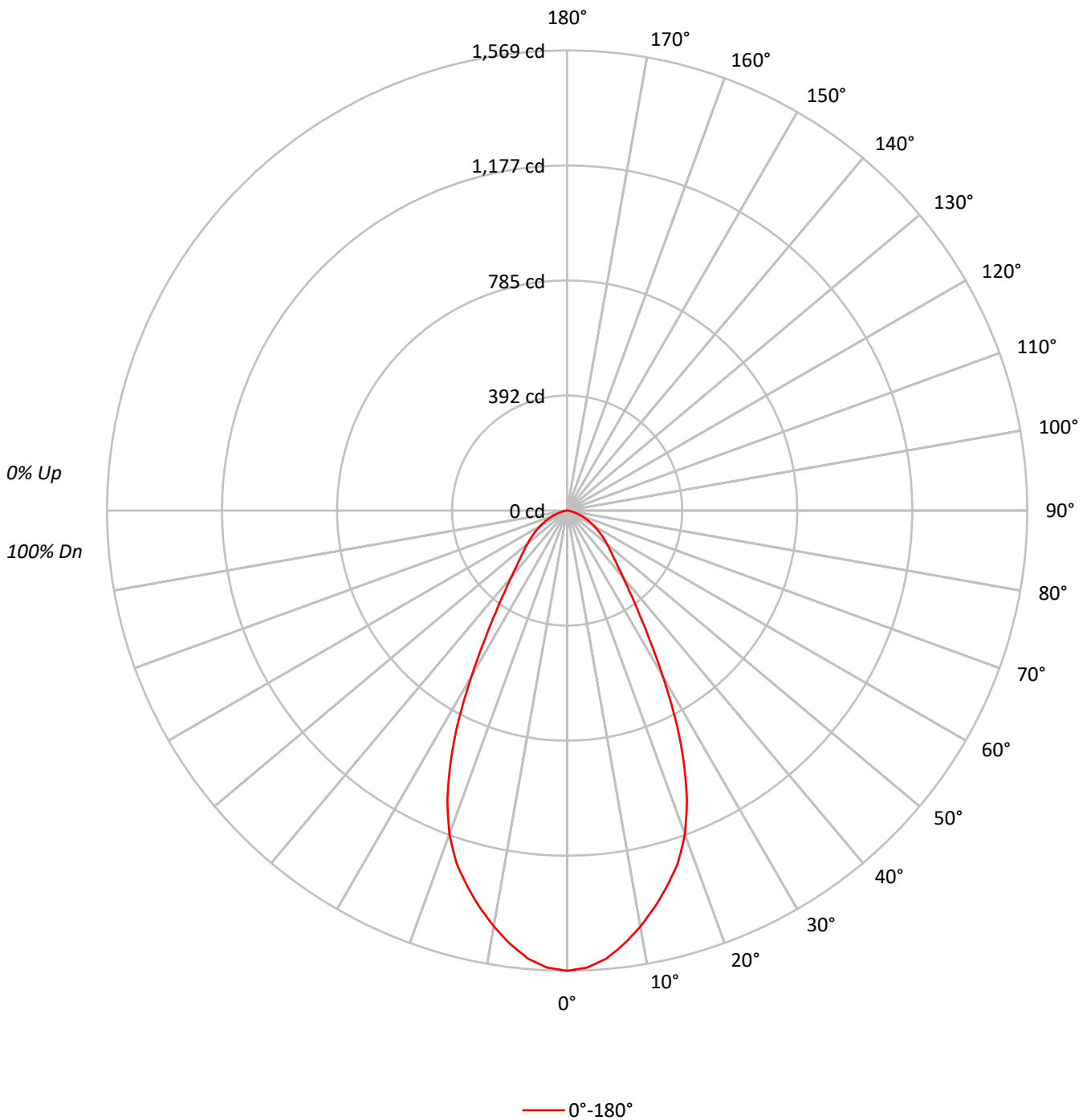
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

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

	0°
0°	112336
5°	110206
10°	104661
15°	98019
20°	89463
25°	74161
30°	53807
35°	37219
40°	27527
45°	22510
50°	19739
55°	17564
60°	15308
65°	13029
70°	10405
75°	7525
80°	5402
85°	6162



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.3	8.8
10°-20°	369.7	22.8
20°-30°	422.9	26.0
30°-40°	274.2	16.9
40°-50°	174.8	10.8
50°-60°	125.9	7.7
60°-70°	76.5	4.7
70°-80°	30.5	1.9
80°-90°	7.1	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°	935.9	57.6
0°-40°	1210.1	74.5
0°-60°	1510.8	93.0
0°-90°	1625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1569	
5°	1533	143
15°	1322	370
25°	939	423
35°	426	274
45°	222	175
55°	141	126
65°	77	77
75°	27	30
85°	8	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1568.9
2.5°	1559.6
5°	1533.3
7.5°	1490.2
10°	1439.5
12.5°	1383.3
15°	1322.3
17.5°	1257.6
20°	1174.1
22.5°	1067.2
25°	938.7
27.5°	798.1
30°	650.8
32.5°	524.2
35°	425.8
37.5°	350.7
40°	294.5
42.5°	253.2
45°	222.3
47.5°	197.9
50°	177.2
52.5°	158.5
55°	140.7
57.5°	122.9
60°	106.9
62.5°	91.9
65°	76.9
67.5°	62.8
70°	49.7
72.5°	38.4
75°	27.2
77.5°	18.8
80°	13.1
82.5°	8.4
85°	7.5
87.5°	3.8
90°	0.0

(END OF REPORT)