

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: P364922

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364922  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4054.0 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

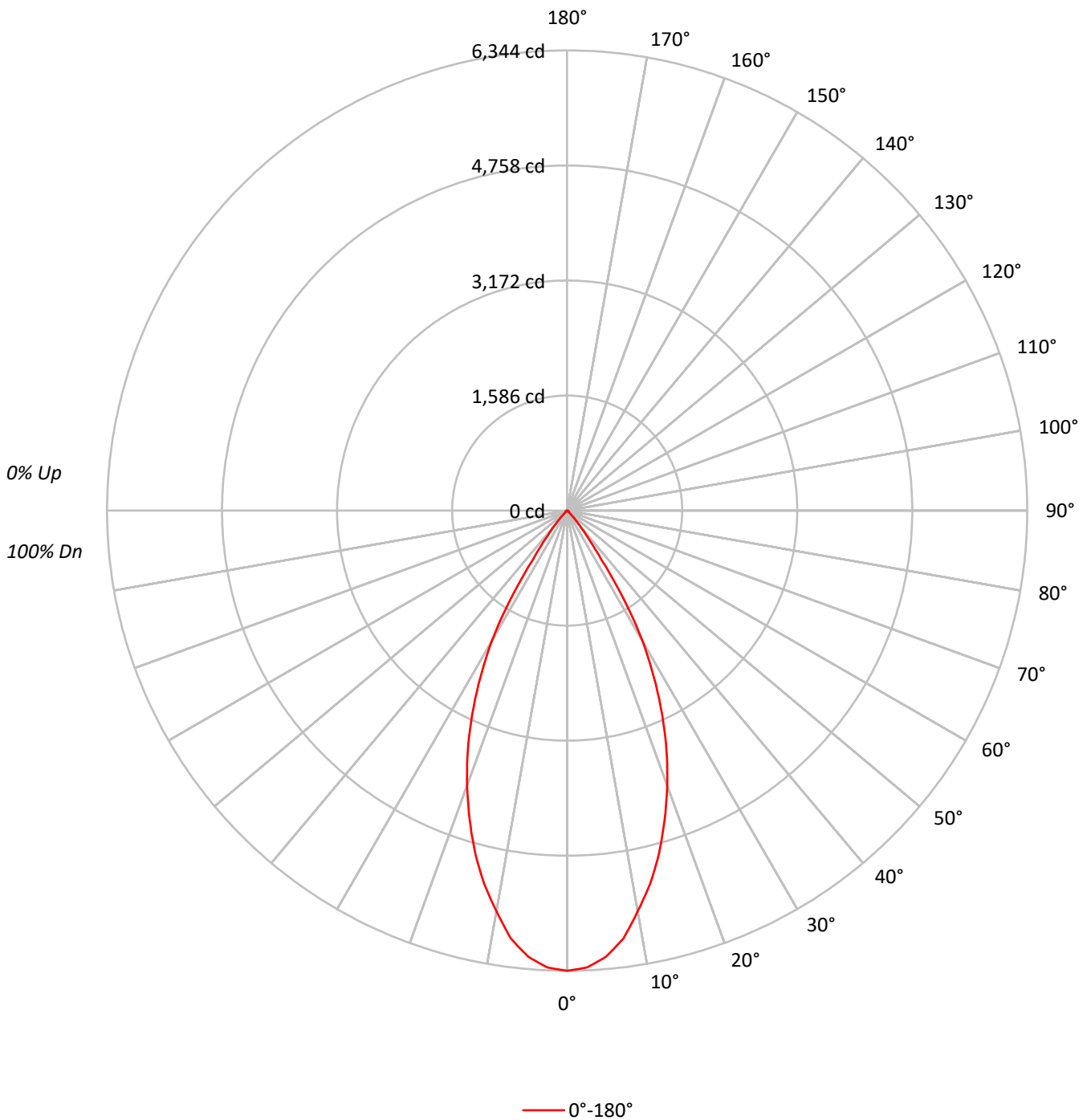
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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

	0°
0°	454256
5°	443701
10°	407818
15°	362944
20°	307425
25°	244462
30°	171872
35°	71728
40°	24769
45°	6410
50°	3242
55°	2984
60°	2936
65°	2897
70°	2868
75°	3790
80°	4247
85°	6983



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	571.5	14.1
10°-20°	1356.3	33.5
20°-30°	1399.5	34.5
30°-40°	595.3	14.7
40°-50°	71.5	1.8
50°-60°	21.6	0.5
60°-70°	16.9	0.4
70°-80°	13.6	0.3
80°-90°	7.9	0.2
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°	3327.3	82.1
0°-40°	3922.6	96.8
0°-60°	4015.6	99.1
0°-90°	4054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4054.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6344	
5°	6173	572
15°	4896	1356
25°	3094	1399
35°	821	595
45°	63	71
55°	24	22
65°	17	17
75°	14	14
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6344.2
2.5°	6303.2
5°	6173.2
7.5°	5947.6
10°	5609.1
12.5°	5275.7
15°	4896.2
17.5°	4468.8
20°	4034.6
22.5°	3581.5
25°	3094.3
27.5°	2591.7
30°	2078.8
32.5°	1473.6
35°	820.6
37.5°	471.8
40°	265.0
42.5°	136.8
45°	63.3
47.5°	34.2
50°	29.1
52.5°	25.6
55°	23.9
57.5°	22.2
60°	20.5
62.5°	18.8
65°	17.1
67.5°	15.4
70°	13.7
72.5°	13.7
75°	13.7
77.5°	12.0
80°	10.3
82.5°	10.3
85°	8.5
87.5°	5.1
90°	0.0

(END OF REPORT)