

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: P364904

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364904  
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-FEU6B35-8027-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: 3879.0 lumens  
Efficiency: N/A  
Efficacy: 70.4 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

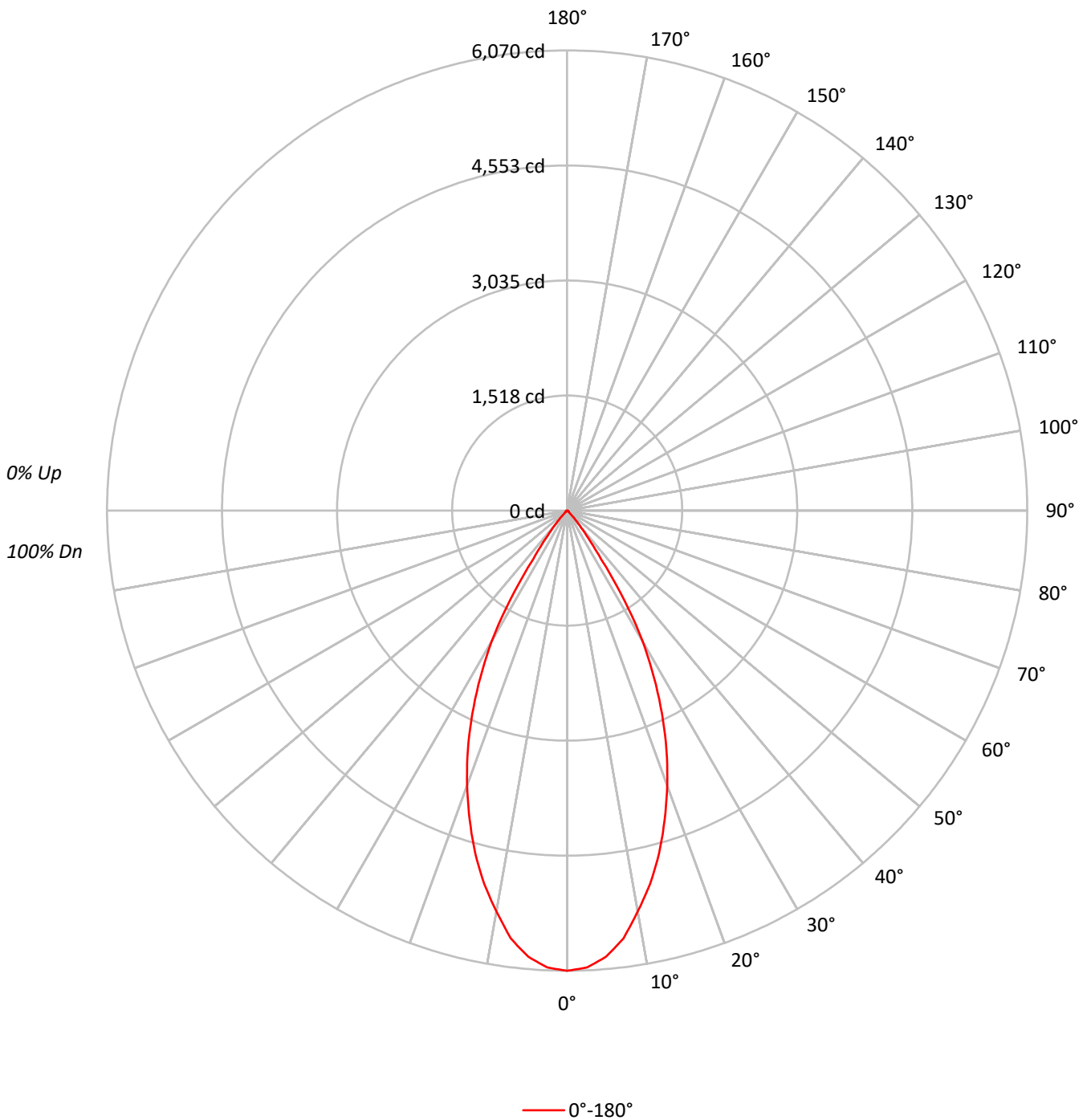
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	434645
5°	424553
10°	390215
15°	347273
20°	294151
25°	233907
30°	164456
35°	68634
40°	23695
45°	6126
50°	3097
55°	2859
60°	2807
65°	2779
70°	2742
75°	3624
80°	4041
85°	6737



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	546.8	14.1
10°-20°	1297.8	33.5
20°-30°	1339.1	34.5
30°-40°	569.6	14.7
40°-50°	68.3	1.8
50°-60°	20.7	0.5
60°-70°	16.2	0.4
70°-80°	13.0	0.3
80°-90°	7.6	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°	3183.7	82.1
0°-40°	3753.2	96.8
0°-60°	3842.2	99.1
0°-90°	3879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3879.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6070	
5°	5907	547
15°	4685	1298
25°	2961	1339
35°	785	570
45°	60	68
55°	23	21
65°	16	16
75°	13	13
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6070.3
2.5°	6031.1
5°	5906.8
7.5°	5690.8
10°	5367.0
12.5°	5048.0
15°	4684.8
17.5°	4275.9
20°	3860.4
22.5°	3426.9
25°	2960.7
27.5°	2479.8
30°	1989.1
32.5°	1410.0
35°	785.2
37.5°	451.5
40°	253.5
42.5°	130.9
45°	60.5
47.5°	32.7
50°	27.8
52.5°	24.5
55°	22.9
57.5°	21.3
60°	19.6
62.5°	18.0
65°	16.4
67.5°	14.7
70°	13.1
72.5°	13.1
75°	13.1
77.5°	11.5
80°	9.8
82.5°	9.8
85°	8.2
87.5°	4.9
90°	0.0

(END OF REPORT)