

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: P364923

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364923  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)  
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-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3952.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 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

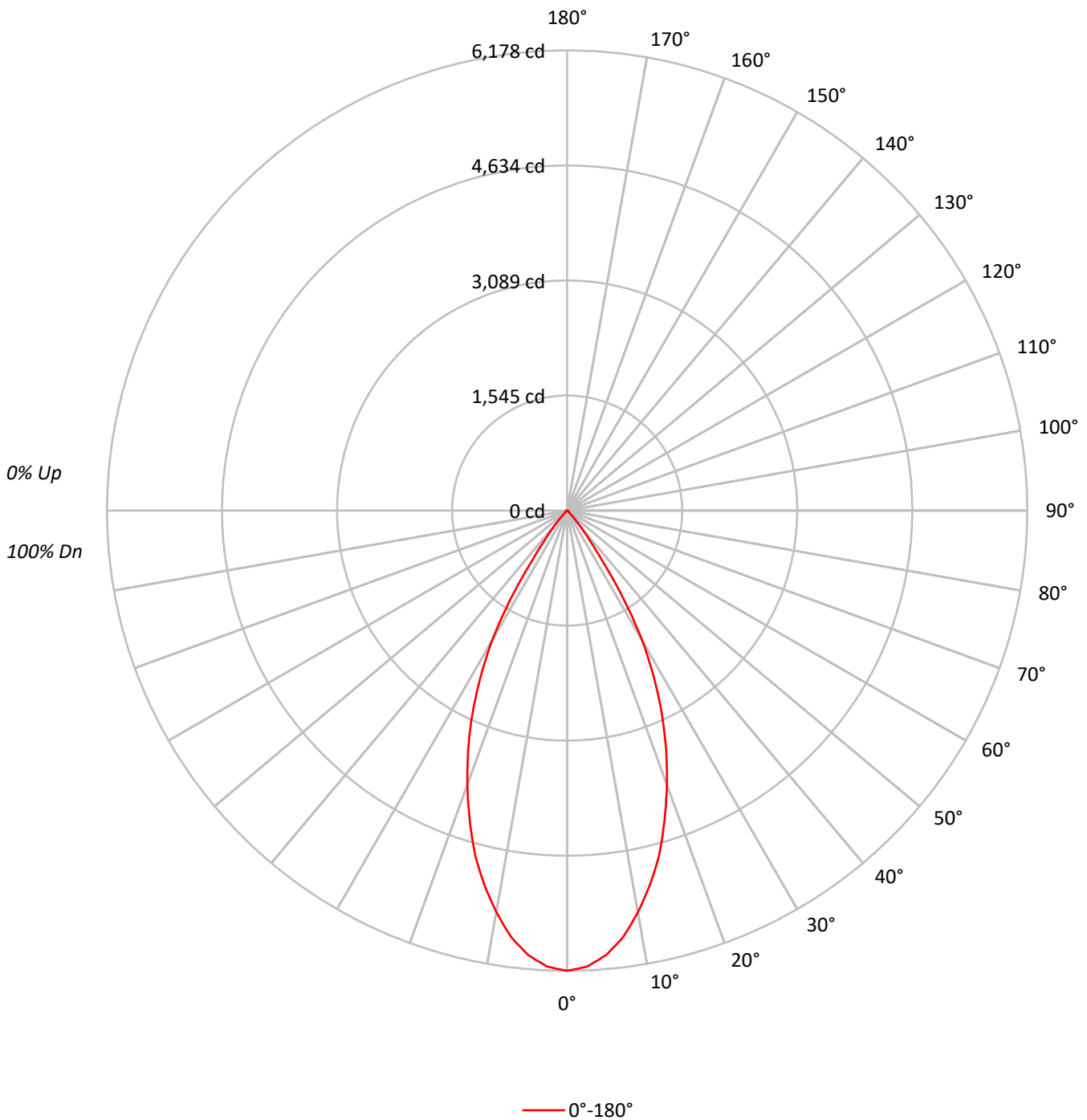
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	88
3	104	98	93	90	102	96	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	78
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		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
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°	442349
5°	430641
10°	398068
15°	354367
20°	298449
25°	237825
30°	166581
35°	70566
40°	24620
45°	6754
50°	3431
55°	3208
60°	3179
65°	2897
70°	2868
75°	3790
80°	4948
85°	7065



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	555.5	14.1
10°-20°	1321.6	33.4
20°-30°	1359.5	34.4
30°-40°	580.6	14.7
40°-50°	72.5	1.8
50°-60°	23.1	0.6
60°-70°	17.1	0.4
70°-80°	13.8	0.3
80°-90°	8.2	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°	3236.6	81.9
0°-40°	3817.3	96.6
0°-60°	3912.9	99.0
0°-90°	3952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3952.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6178	
5°	5992	556
15°	4780	1322
25°	3010	1360
35°	807	581
45°	67	72
55°	26	23
65°	17	17
75°	14	14
85°	9	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6177.9
2.5°	6128.3
5°	5991.5
7.5°	5772.6
10°	5475.0
12.5°	5143.1
15°	4780.5
17.5°	4349.5
20°	3916.8
22.5°	3472.1
25°	3010.3
27.5°	2522.8
30°	2014.8
32.5°	1431.6
35°	807.3
37.5°	461.8
40°	263.4
42.5°	136.8
45°	66.7
47.5°	35.9
50°	30.8
52.5°	27.4
55°	25.7
57.5°	23.9
60°	22.2
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°	12.0
82.5°	10.3
85°	8.6
87.5°	5.1
90°	0.0

(END OF REPORT)