

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: P366417

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4088.0 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

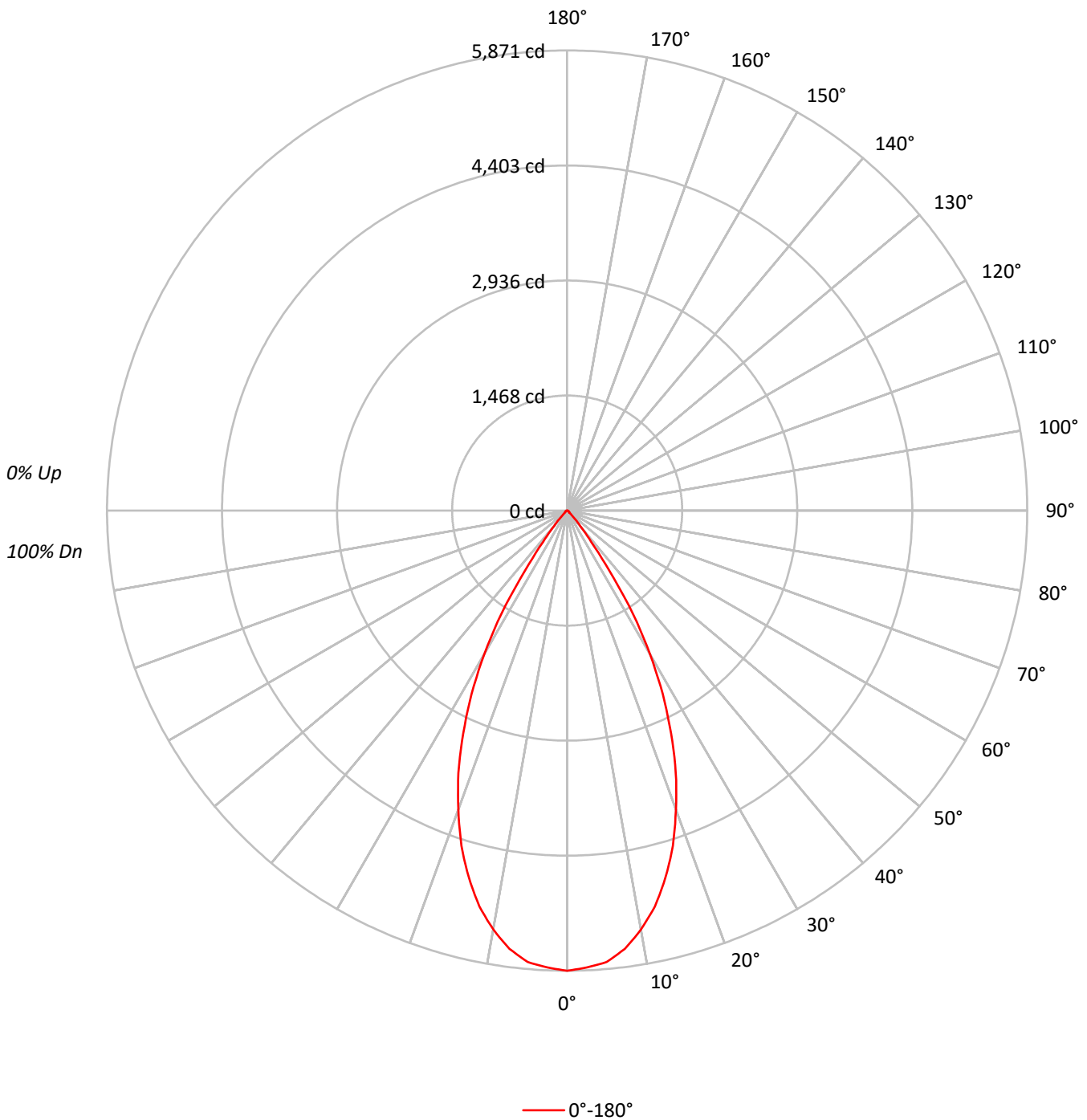
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	420403
5°	415655
10°	394600
15°	359349
20°	309261
25°	247764
30°	174799
35°	80959
40°	26330
45°	8415
50°	4021
55°	3608
60°	3365
65°	3067
70°	3015
75°	3984
80°	4453
85°	7394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	540.4	13.2
10°-20°	1344.4	32.9
20°-30°	1418.8	34.7
30°-40°	634.9	15.5
40°-50°	83.1	2.0
50°-60°	25.6	0.6
60°-70°	18.1	0.4
70°-80°	14.3	0.3
80°-90°	8.3	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°	3303.6	80.8
0°-40°	3938.5	96.3
0°-60°	4047.3	99.0
0°-90°	4088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4088.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5871	
5°	5783	540
15°	4848	1344
25°	3136	1419
35°	926	635
45°	83	83
55°	29	26
65°	18	18
75°	14	14
85°	9	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5871.4
2.5°	5833.5
5°	5783.0
7.5°	5640.3
10°	5427.3
12.5°	5172.7
15°	4847.7
17.5°	4486.6
20°	4058.7
22.5°	3623.6
25°	3136.1
27.5°	2643.2
30°	2114.2
32.5°	1567.2
35°	926.2
37.5°	503.7
40°	281.7
42.5°	157.1
45°	83.1
47.5°	43.3
50°	36.1
52.5°	30.7
55°	28.9
57.5°	25.3
60°	23.5
62.5°	19.9
65°	18.1
67.5°	16.2
70°	14.4
72.5°	14.4
75°	14.4
77.5°	12.6
80°	10.8
82.5°	10.8
85°	9.0
87.5°	5.4
90°	0.0

(END OF REPORT)