

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: P364930

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4863.9 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

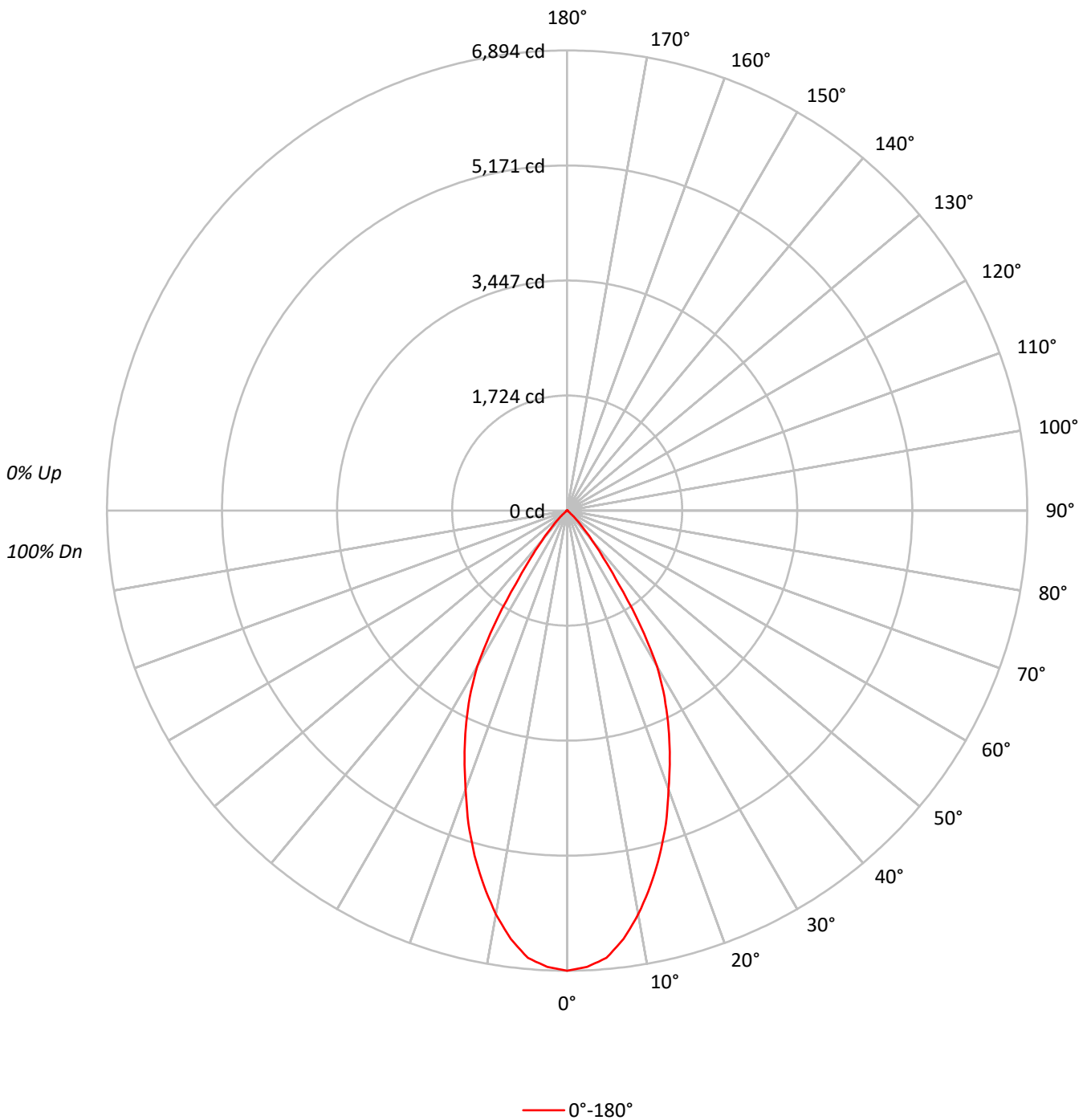
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	81	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	73	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

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

	0°
0°	188317
5°	184493
10°	170320
15°	151399
20°	129209
25°	108256
30°	84845
35°	44733
40°	20899
45°	8220
50°	2150
55°	581
60°	382
65°	336
70°	280
75°	369
80°	267
85°	533



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	622.7	12.8
10°-20°	1486.8	30.6
20°-30°	1635.4	33.6
30°-40°	902.7	18.6
40°-50°	190.4	3.9
50°-60°	15.5	0.3
60°-70°	4.7	0.1
70°-80°	3.9	0.1
80°-90°	1.6	0.0
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°	3744.9	77.0
0°-40°	4647.7	95.6
0°-60°	4853.6	99.8
0°-90°	4863.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4863.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6894	
5°	6728	623
15°	5354	1487
25°	3592	1635
35°	1342	903
45°	213	190
55°	12	16
65°	5	5
75°	4	4
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6894.2
2.5°	6841.9
5°	6728.5
7.5°	6472.1
10°	6140.6
12.5°	5760.3
15°	5353.8
17.5°	4917.7
20°	4445.0
22.5°	4015.8
25°	3591.9
27.5°	3161.0
30°	2690.0
32.5°	2048.0
35°	1341.5
37.5°	891.4
40°	586.1
42.5°	369.8
45°	212.8
47.5°	111.6
50°	50.6
52.5°	20.9
55°	12.2
57.5°	8.7
60°	7.0
62.5°	5.2
65°	5.2
67.5°	3.5
70°	3.5
72.5°	5.2
75°	3.5
77.5°	3.5
80°	1.7
82.5°	1.7
85°	1.7
87.5°	1.7
90°	0.0

(END OF REPORT)