

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: P364932

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)  
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-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4040.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

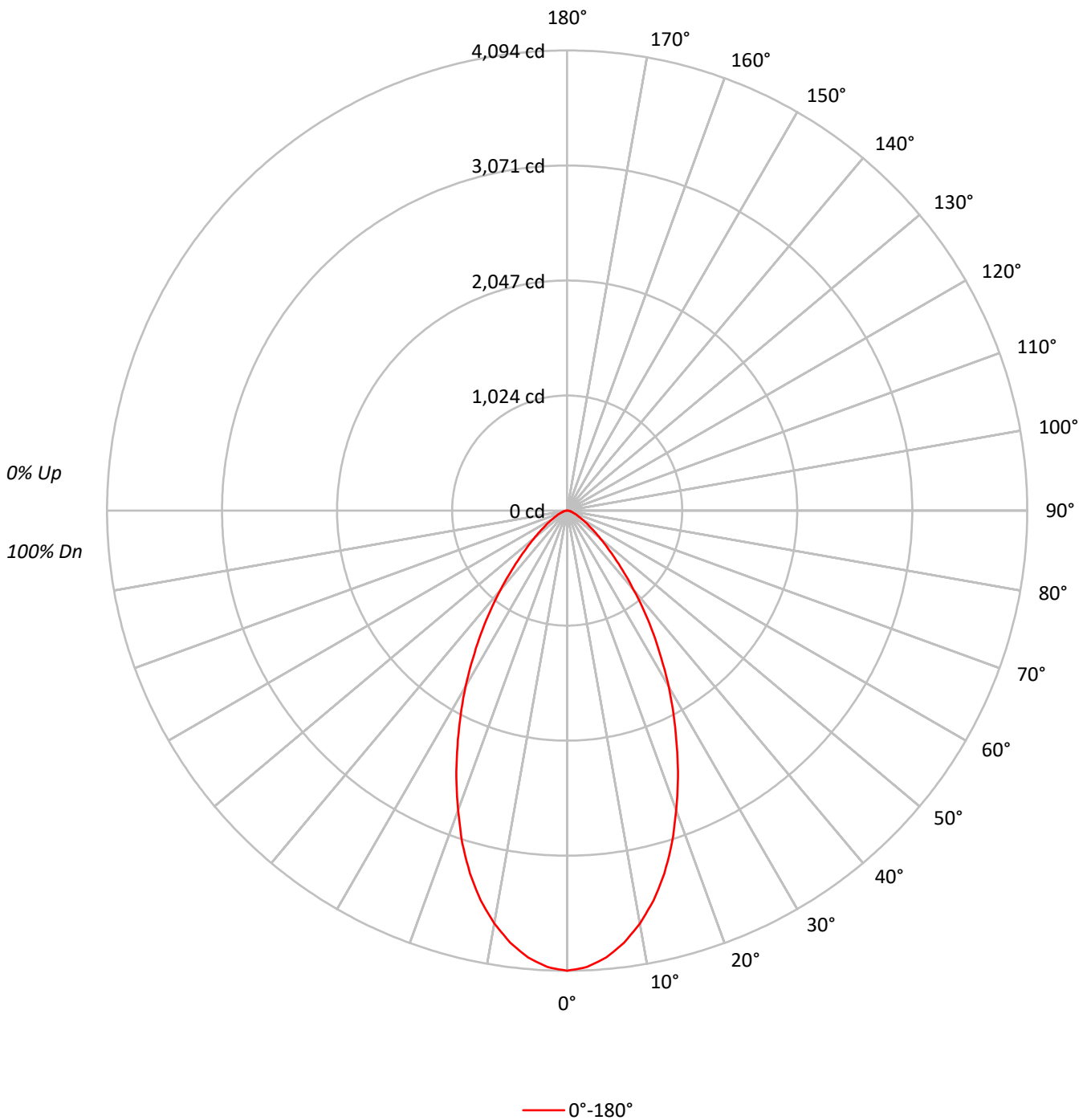
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

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

	0°
0°	293138
5°	286862
10°	271159
15°	247624
20°	215988
25°	182325
30°	149417
35°	116797
40°	86085
45°	60584
50°	42753
55°	30272
60°	21481
65°	15960
70°	12414
75°	10125
80°	9360
85°	10023



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.6	9.2
10°-20°	927.9	23.0
20°-30°	1057.1	26.2
30°-40°	834.3	20.7
40°-50°	474.2	11.7
50°-60°	223.8	5.5
60°-70°	96.8	2.4
70°-80°	40.2	1.0
80°-90°	13.1	0.3
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°	2357.6	58.4
0°-40°	3191.9	79.0
0°-60°	3889.9	96.3
0°-90°	4040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4094	
5°	3991	373
15°	3340	928
25°	2308	1057
35°	1336	834
45°	598	474
55°	242	224
65°	94	97
75°	37	40
85°	12	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4094.0
2.5°	4064.4
5°	3991.1
7.5°	3877.7
10°	3729.5
12.5°	3551.5
15°	3340.5
17.5°	3101.5
20°	2834.6
22.5°	2576.4
25°	2307.8
27.5°	2051.4
30°	1807.2
32.5°	1559.5
35°	1336.2
37.5°	1121.6
40°	921.0
42.5°	750.1
45°	598.3
47.5°	478.0
50°	383.8
52.5°	305.3
55°	242.5
57.5°	191.9
60°	150.0
62.5°	118.6
65°	94.2
67.5°	75.0
70°	59.3
72.5°	47.1
75°	36.6
77.5°	27.9
80°	22.7
82.5°	17.4
85°	12.2
87.5°	7.0
90°	0.0

(END OF REPORT)