

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: P366359

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
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-WMH-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3662.0 lumens  
Efficiency: N/A  
Efficacy: 66.5 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

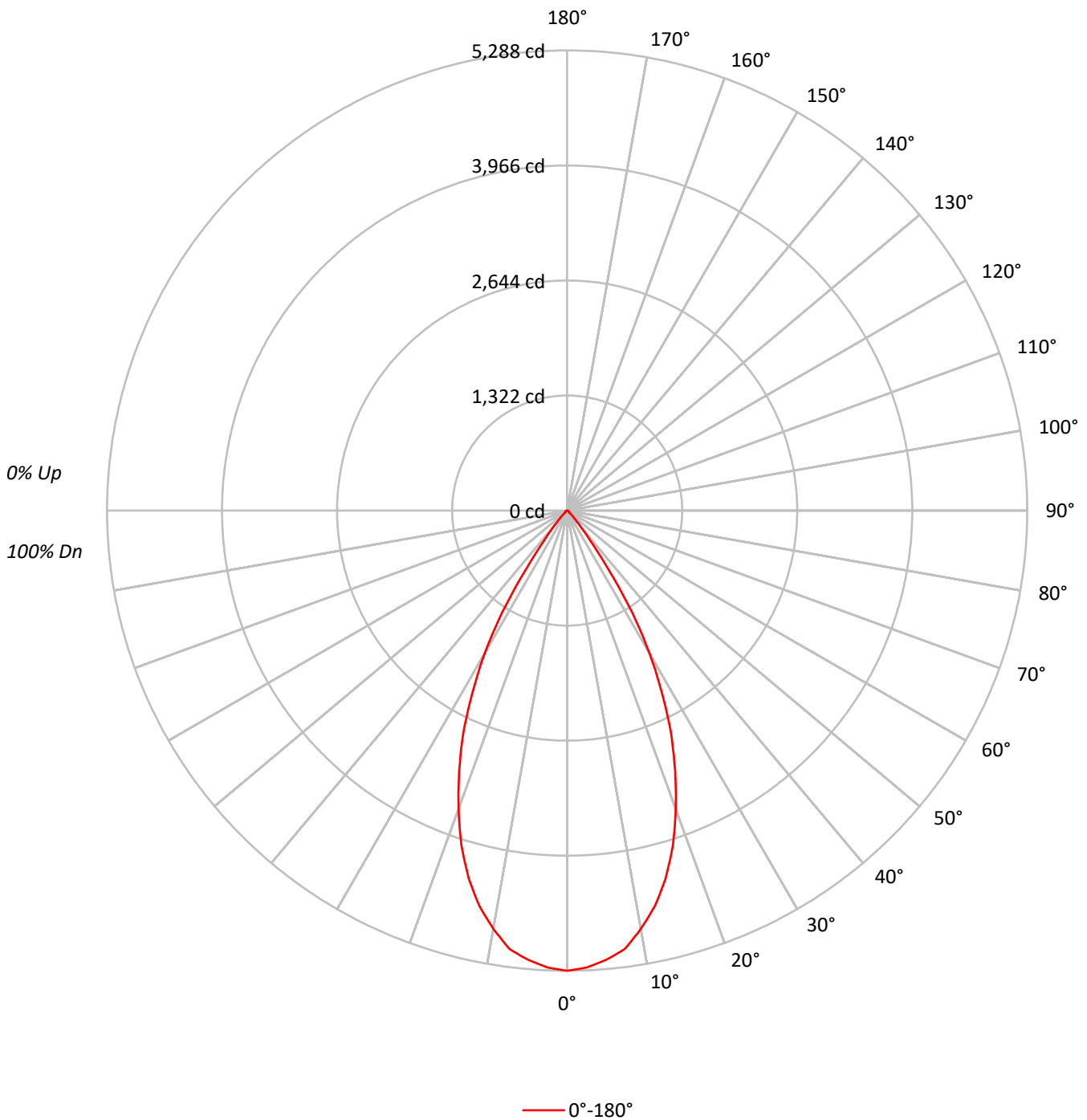
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89	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	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

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

	0°
0°	378609
5°	372379
10°	354815
15°	324220
20°	278043
25°	223099
30°	156420
35°	72270
40°	23199
45°	7493
50°	3475
55°	3083
60°	3065
65°	2779
70°	2742
75°	3181
80°	4082
85°	6737



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	485.9	13.3
10°-20°	1210.3	33.1
20°-30°	1271.1	34.7
30°-40°	564.1	15.4
40°-50°	72.9	2.0
50°-60°	22.8	0.6
60°-70°	16.0	0.4
70°-80°	11.7	0.3
80°-90°	7.1	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°	2967.3	81.0
0°-40°	3531.4	96.4
0°-60°	3627.1	99.0
0°-90°	3662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3662.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5288	
5°	5181	486
15°	4374	1210
25°	2824	1271
35°	827	564
45°	74	73
55°	25	23
65°	16	16
75°	12	12
85°	8	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5287.7
2.5°	5254.9
5°	5180.9
7.5°	5080.6
10°	4880.1
12.5°	4654.9
15°	4373.8
17.5°	4036.9
20°	3649.0
22.5°	3241.3
25°	2823.9
27.5°	2355.4
30°	1891.9
32.5°	1390.6
35°	826.8
37.5°	440.5
40°	248.2
42.5°	136.4
45°	74.0
47.5°	37.8
50°	31.2
52.5°	27.9
55°	24.7
57.5°	23.0
60°	21.4
62.5°	18.1
65°	16.4
67.5°	13.1
70°	13.1
72.5°	11.5
75°	11.5
77.5°	9.9
80°	9.9
82.5°	8.2
85°	8.2
87.5°	4.9
90°	0.0

(END OF REPORT)