

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: P364976

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364976  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
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-LI-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4281.0 lumens  
Efficiency: N/A  
Efficacy: 77.7 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

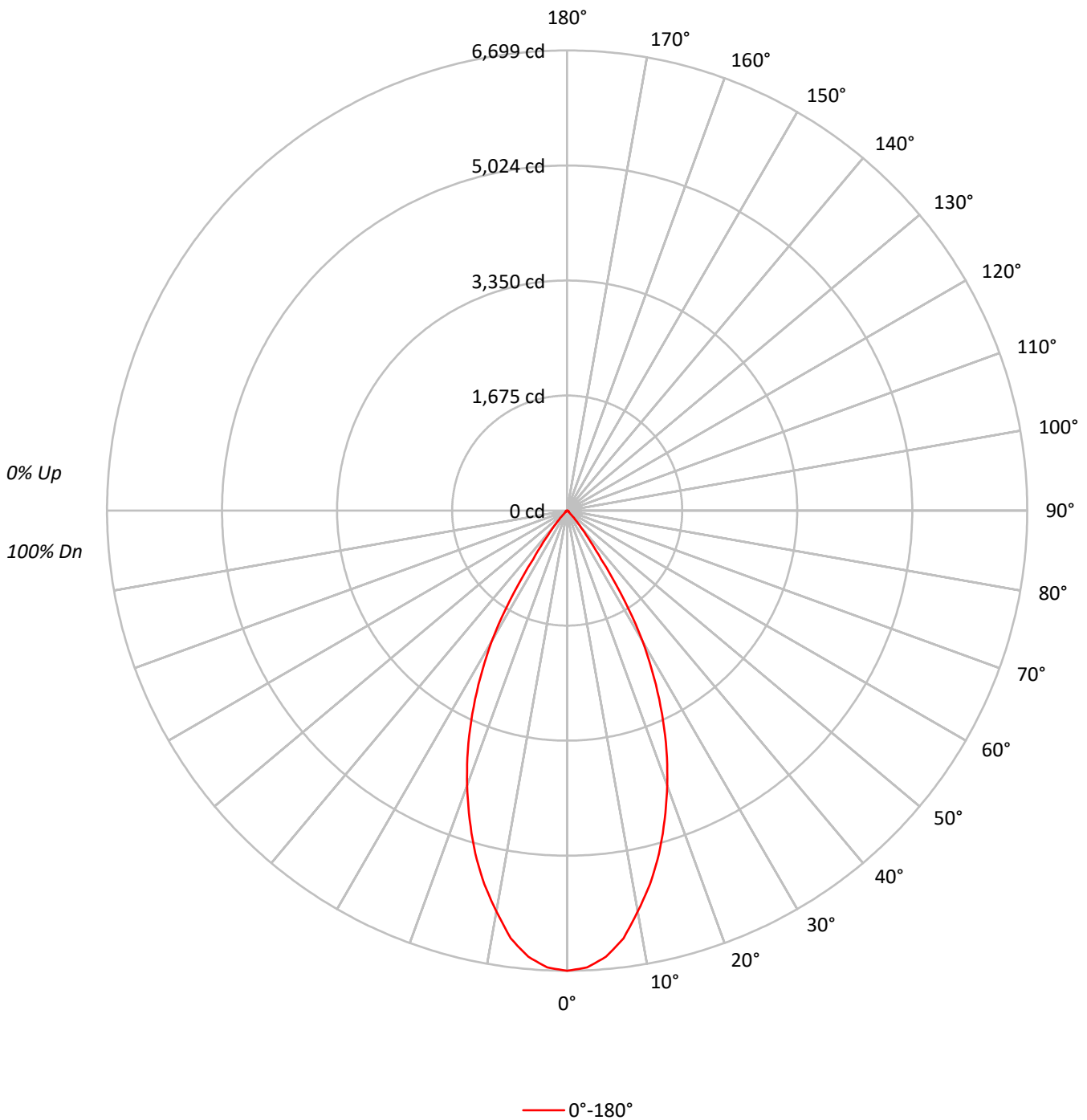
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89
3	104	98	93	90	102	97	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	79
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		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
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°	479689
5°	468548
10°	430655
15°	383262
20°	324638
25°	258153
30°	181496
35°	75741
40°	26153
45°	6764
50°	3420
55°	3158
60°	3108
65°	3067
70°	3015
75°	3984
80°	4453
85°	7394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.5	14.1
10°-20°	1432.2	33.5
20°-30°	1477.9	34.5
30°-40°	628.6	14.7
40°-50°	75.4	1.8
50°-60°	22.8	0.5
60°-70°	17.9	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°	3513.6	82.1
0°-40°	4142.2	96.8
0°-60°	4240.5	99.1
0°-90°	4281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4281.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6699	
5°	6519	604
15°	5170	1432
25°	3268	1478
35°	866	629
45°	67	75
55°	25	23
65°	18	18
75°	14	14
85°	9	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6699.4
2.5°	6656.1
5°	6518.9
7.5°	6280.6
10°	5923.2
12.5°	5571.1
15°	5170.3
17.5°	4719.0
20°	4260.5
22.5°	3782.1
25°	3267.6
27.5°	2736.8
30°	2195.2
32.5°	1556.2
35°	866.5
37.5°	498.3
40°	279.8
42.5°	144.4
45°	66.8
47.5°	36.1
50°	30.7
52.5°	27.1
55°	25.3
57.5°	23.5
60°	21.7
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)