

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: P364972

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364972  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 5000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4054.0 lumens  
Efficiency: N/A  
Efficacy: 73.6 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

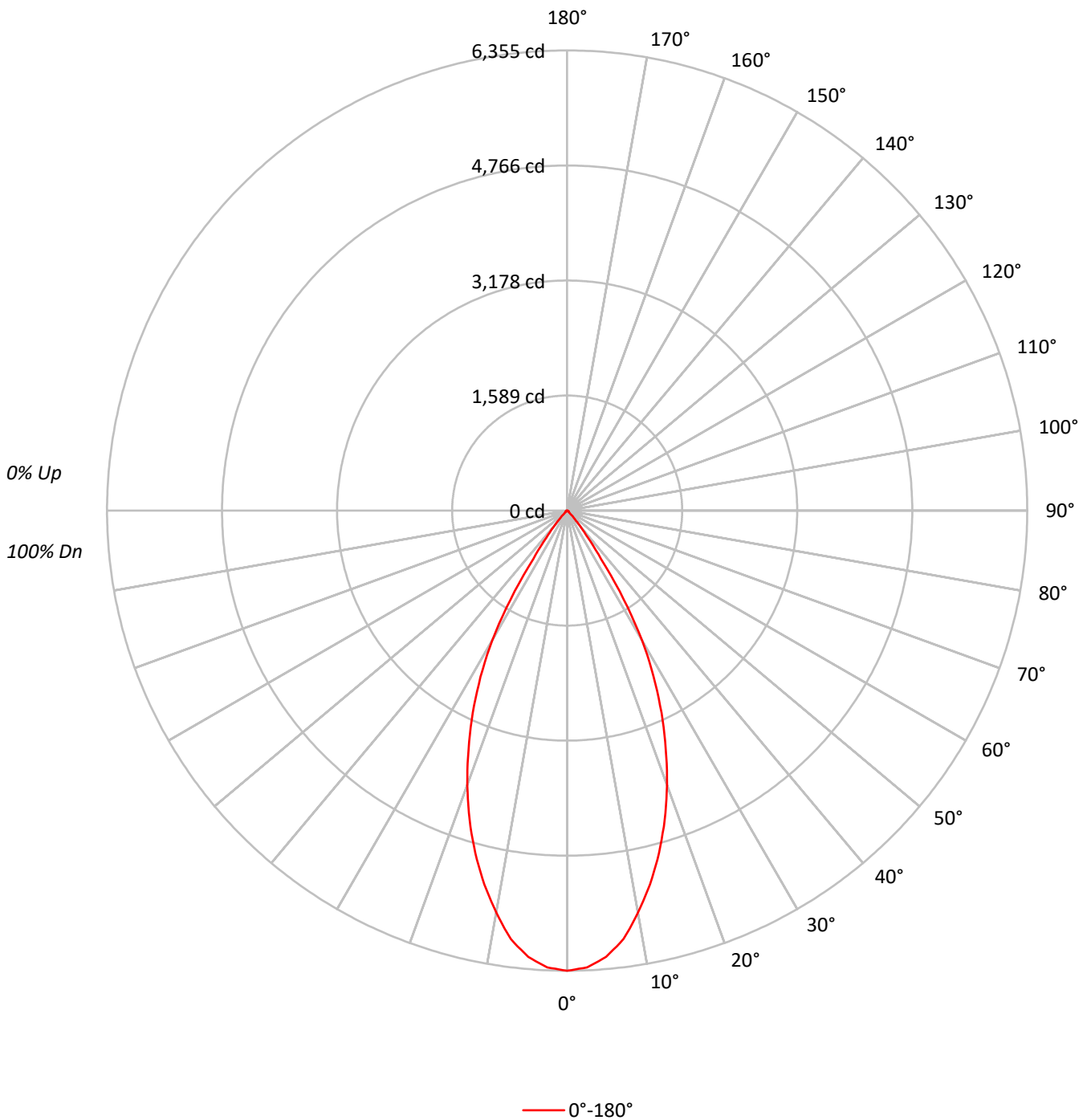
Input Watts (W): 55.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	78
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°	455008
5°	444643
10°	409912
15°	363063
20°	307379
25°	243522
30°	171137
35°	71274
40°	24452
45°	6531
50°	3598
55°	3358
60°	3079
65°	3033
70°	2994
75°	3458
80°	4453
85°	7394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	573.3	14.1
10°-20°	1358.7	33.5
20°-30°	1394.9	34.4
30°-40°	590.7	14.6
40°-50°	72.6	1.8
50°-60°	24.1	0.6
60°-70°	17.7	0.4
70°-80°	13.7	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°	3326.9	82.1
0°-40°	3917.6	96.6
0°-60°	4014.3	99.0
0°-90°	4054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4054.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6355	
5°	6186	573
15°	4898	1359
25°	3082	1395
35°	815	591
45°	64	73
55°	27	24
65°	18	18
75°	12	14
85°	9	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6354.7
2.5°	6313.5
5°	6186.3
7.5°	5967.6
10°	5637.9
12.5°	5286.7
15°	4897.8
17.5°	4480.2
20°	4034.0
22.5°	3559.1
25°	3082.4
27.5°	2589.6
30°	2069.9
32.5°	1458.8
35°	815.4
37.5°	467.7
40°	261.6
42.5°	138.0
45°	64.5
47.5°	37.6
50°	32.3
52.5°	28.7
55°	26.9
57.5°	25.1
60°	21.5
62.5°	19.7
65°	17.9
67.5°	16.1
70°	14.3
72.5°	14.3
75°	12.5
77.5°	12.5
80°	10.8
82.5°	10.8
85°	9.0
87.5°	5.4
90°	0.0

(END OF REPORT)