

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: P366321

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366321  
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: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3238.0 lumens  
Efficiency: N/A  
Efficacy: 79.8 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

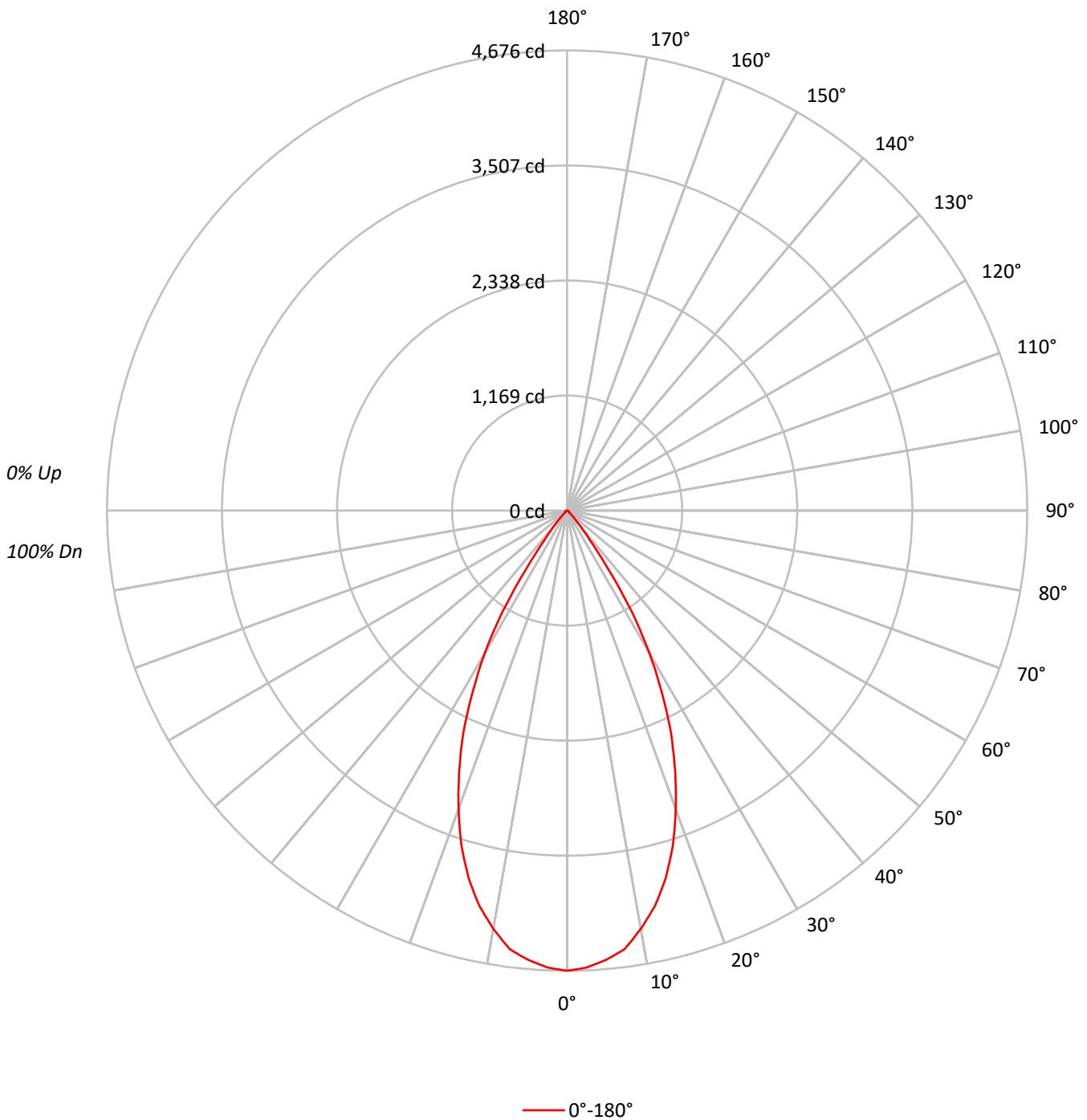
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	334774
5°	329261
10°	313736
15°	286681
20°	245850
25°	197265
30°	138305
35°	63897
40°	20517
45°	6622
50°	3074
55°	2721
60°	2707
65°	2457
70°	2428
75°	2822
80°	3587
85°	5997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.6	13.3
10°-20°	1070.2	33.1
20°-30°	1123.9	34.7
30°-40°	498.7	15.4
40°-50°	64.4	2.0
50°-60°	20.1	0.6
60°-70°	14.2	0.4
70°-80°	10.4	0.3
80°-90°	6.4	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°	2623.8	81.0
0°-40°	3122.5	96.4
0°-60°	3207.1	99.0
0°-90°	3238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3238.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4676	
5°	4581	430
15°	3867	1070
25°	2497	1124
35°	731	499
45°	65	64
55°	22	20
65°	14	14
75°	10	10
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4675.5
2.5°	4646.4
5°	4581.0
7.5°	4492.4
10°	4315.1
12.5°	4116.0
15°	3867.4
17.5°	3569.5
20°	3226.5
22.5°	2866.1
25°	2496.9
27.5°	2082.7
30°	1672.8
32.5°	1229.6
35°	731.0
37.5°	389.5
40°	219.5
42.5°	120.6
45°	65.4
47.5°	33.4
50°	27.6
52.5°	24.7
55°	21.8
57.5°	20.3
60°	18.9
62.5°	16.0
65°	14.5
67.5°	11.6
70°	11.6
72.5°	10.2
75°	10.2
77.5°	8.7
80°	8.7
82.5°	7.3
85°	7.3
87.5°	4.4
90°	0.0

(END OF REPORT)