

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: P366286

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366286  
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-FEU6B35-8035-F6LBXVM1-WMH-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3105.0 lumens  
Efficiency: N/A  
Efficacy: 76.5 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

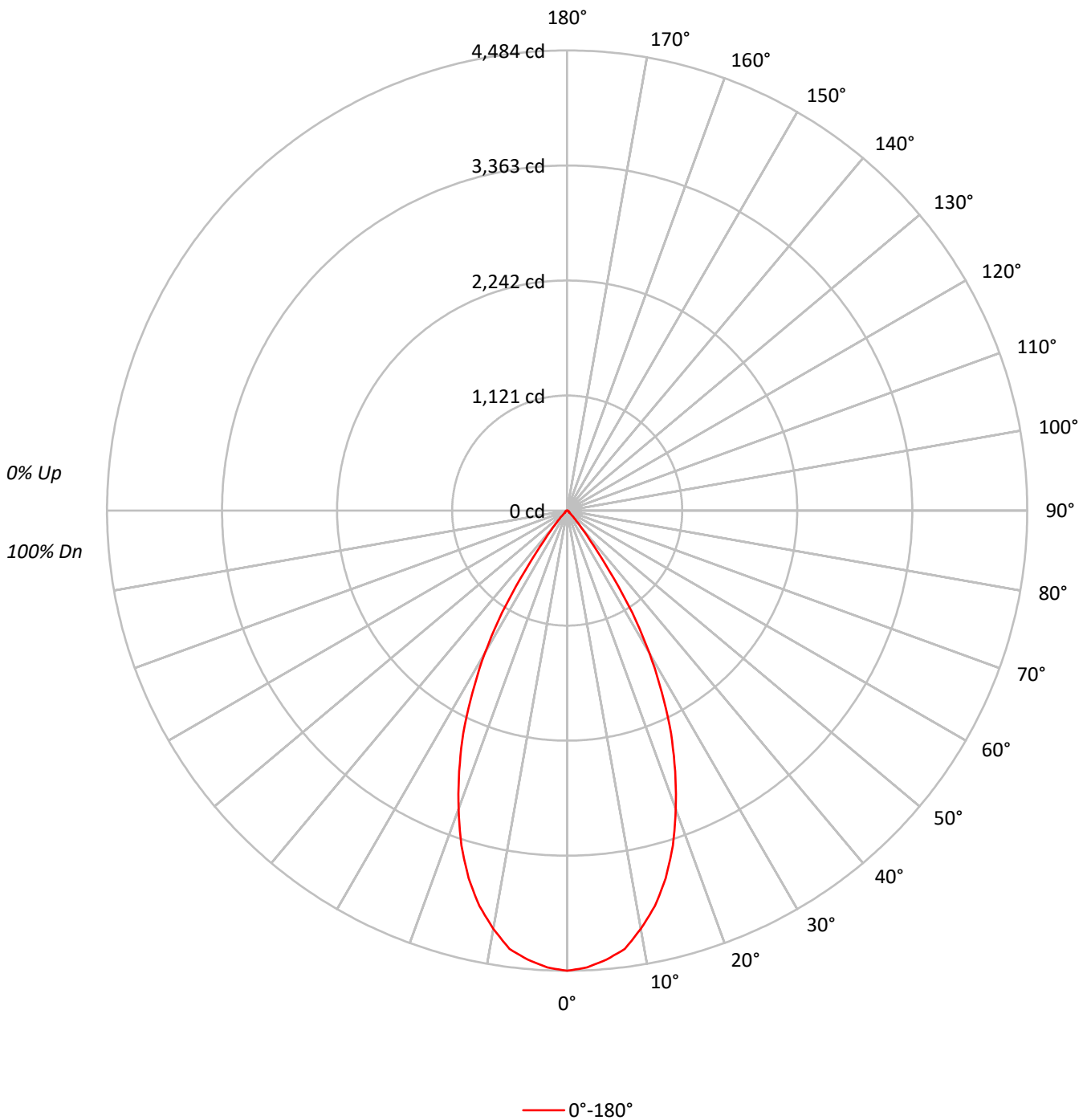
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	321027
5°	315741
10°	300845
15°	274910
20°	235754
25°	189159
30°	132625
35°	61274
40°	19666
45°	6349
50°	2952
55°	2609
60°	2592
65°	2355
70°	2324
75°	2711
80°	3464
85°	5751



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.0	13.3
10°-20°	1026.3	33.1
20°-30°	1077.8	34.7
30°-40°	478.3	15.4
40°-50°	61.8	2.0
50°-60°	19.3	0.6
60°-70°	13.6	0.4
70°-80°	10.0	0.3
80°-90°	6.1	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°	2516.0	81.0
0°-40°	2994.3	96.4
0°-60°	3075.4	99.0
0°-90°	3105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3105.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4484	
5°	4393	412
15°	3709	1026
25°	2394	1078
35°	701	478
45°	63	62
55°	21	19
65°	14	14
75°	10	10
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4483.5
2.5°	4455.6
5°	4392.9
7.5°	4307.9
10°	4137.8
12.5°	3946.9
15°	3708.6
17.5°	3422.9
20°	3094.0
22.5°	2748.3
25°	2394.3
27.5°	1997.1
30°	1604.1
32.5°	1179.1
35°	701.0
37.5°	373.5
40°	210.4
42.5°	115.7
45°	62.7
47.5°	32.1
50°	26.5
52.5°	23.7
55°	20.9
57.5°	19.5
60°	18.1
62.5°	15.3
65°	13.9
67.5°	11.1
70°	11.1
72.5°	9.8
75°	9.8
77.5°	8.4
80°	8.4
82.5°	7.0
85°	7.0
87.5°	4.2
90°	0.0

(END OF REPORT)