

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: P366253

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366253  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2832.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 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

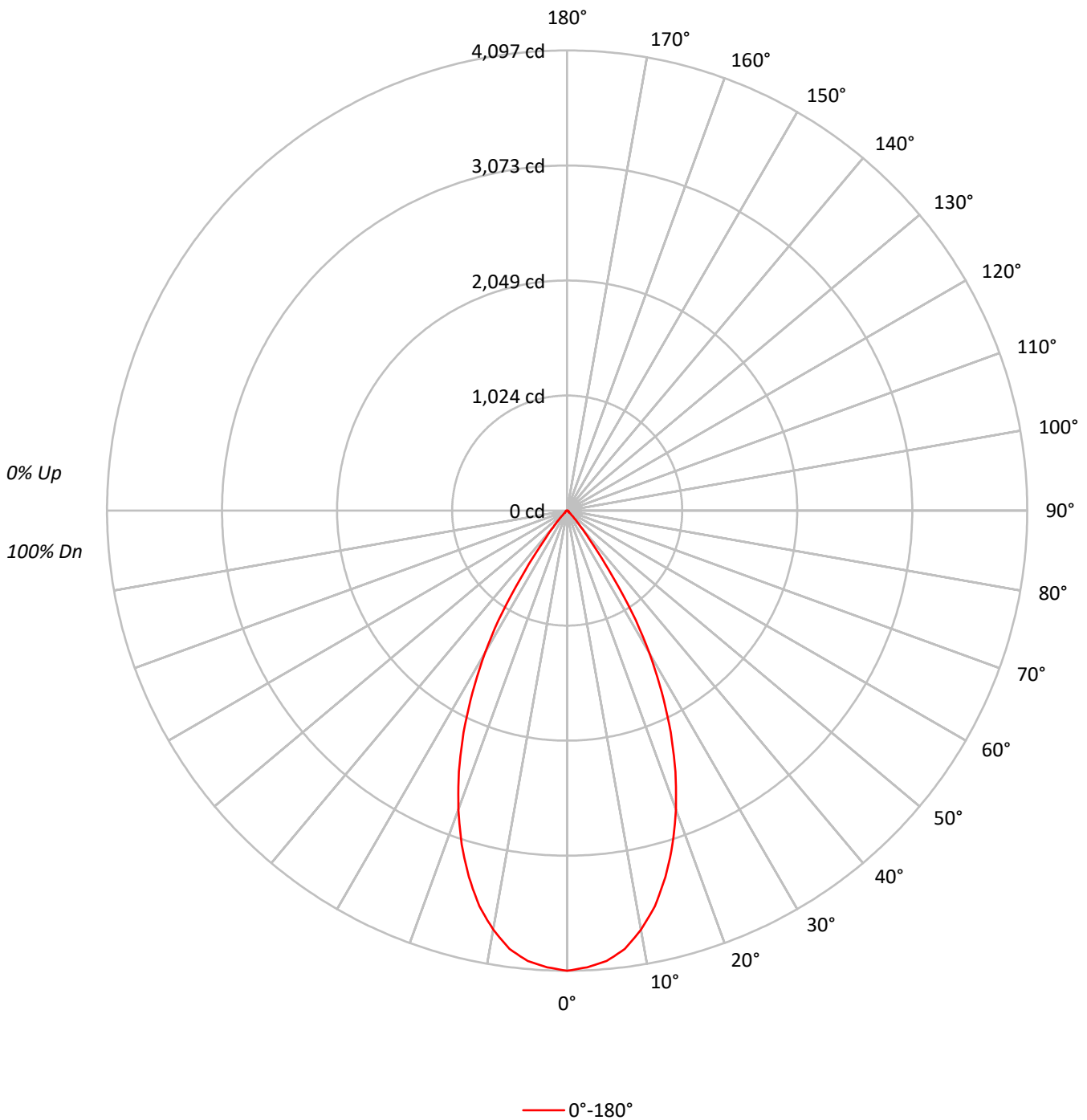
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	293346
5°	289392
10°	275463
15°	250418
20°	215638
25°	172379
30°	120868
35°	56222
40°	17759
45°	5549
50°	2440
55°	2284
60°	2091
65°	1864
70°	2031
75°	2352
80°	3010
85°	5011



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.9	13.3
10°-20°	936.7	33.1
20°-30°	984.8	34.8
30°-40°	436.9	15.4
40°-50°	54.6	1.9
50°-60°	16.4	0.6
60°-70°	11.4	0.4
70°-80°	9.0	0.3
80°-90°	5.3	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°	2298.3	81.2
0°-40°	2735.2	96.6
0°-60°	2806.2	99.1
0°-90°	2832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2832.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4097	
5°	4026	377
15°	3378	937
25°	2182	985
35°	643	437
45°	55	55
55°	18	16
65°	11	11
75°	8	9
85°	6	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4096.9
2.5°	4070.1
5°	4026.3
7.5°	3936.1
10°	3788.7
12.5°	3608.4
15°	3378.2
17.5°	3118.7
20°	2830.0
22.5°	2516.9
25°	2181.9
27.5°	1826.1
30°	1461.9
32.5°	1075.7
35°	643.2
37.5°	342.3
40°	190.0
42.5°	103.6
45°	54.8
47.5°	26.8
50°	21.9
52.5°	19.5
55°	18.3
57.5°	17.1
60°	14.6
62.5°	13.4
65°	11.0
67.5°	9.7
70°	9.7
72.5°	8.5
75°	8.5
77.5°	8.5
80°	7.3
82.5°	6.1
85°	6.1
87.5°	3.7
90°	0.0

(END OF REPORT)