

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: P364806

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)  
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-LI-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3050.1 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

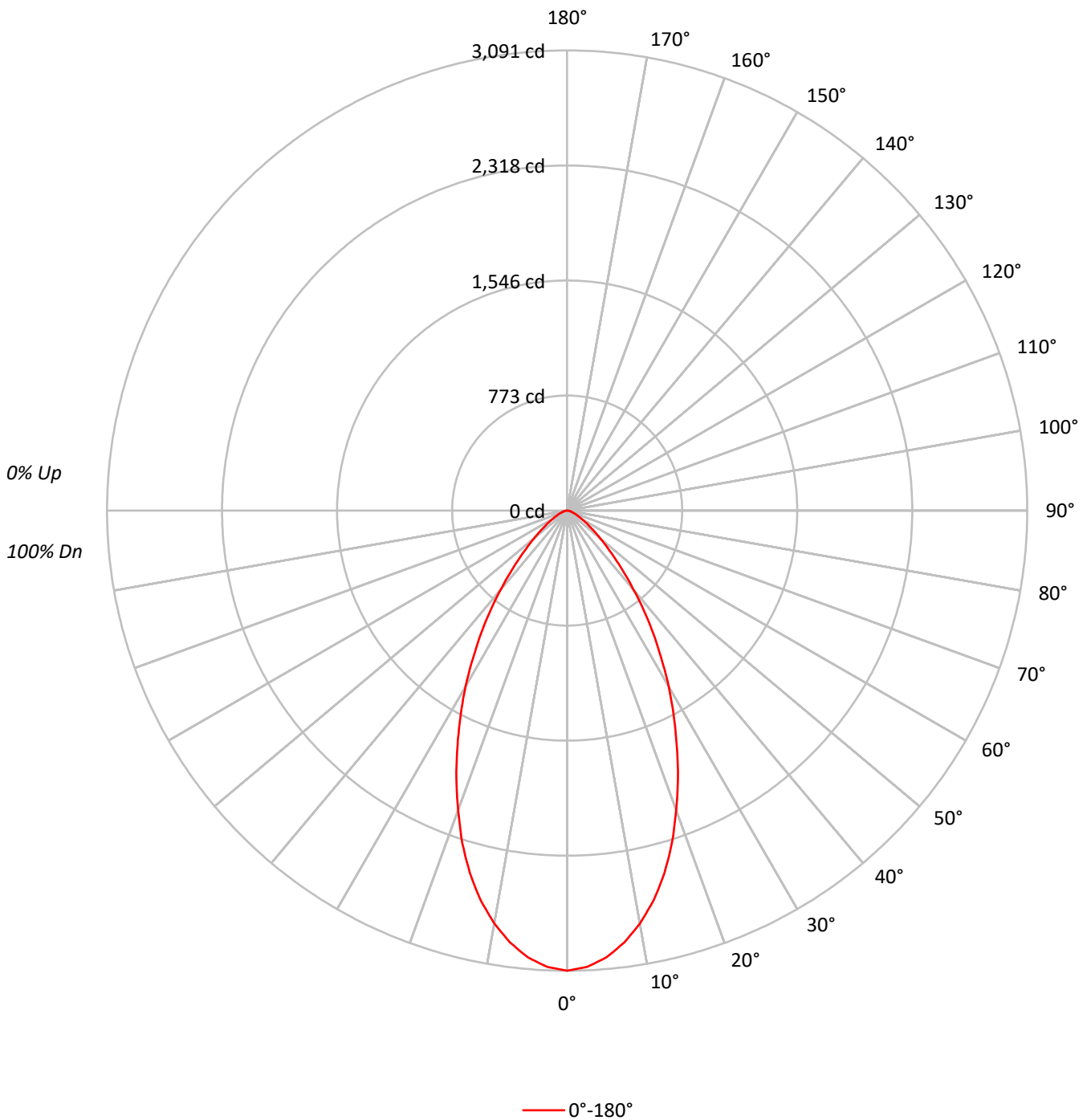
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69					69			
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59					59			
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54					54			
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50					50			
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47					47			
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44					44			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	221307
5°	216568
10°	204712
15°	186943
20°	163062
25°	137649
30°	112799
35°	88179
40°	64989
45°	45739
50°	32270
55°	22857
60°	16225
65°	12046
70°	9379
75°	7663
80°	7051
85°	7558



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.3	9.2
10°-20°	700.5	23.0
20°-30°	798.1	26.2
30°-40°	629.9	20.7
40°-50°	358.0	11.7
50°-60°	169.0	5.5
60°-70°	73.1	2.4
70°-80°	30.4	1.0
80°-90°	9.9	0.3
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°	1779.9	58.4
0°-40°	2409.8	79.0
0°-60°	2936.7	96.3
0°-90°	3050.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3050.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3091	
5°	3013	281
15°	2522	700
25°	1742	798
35°	1009	630
45°	452	358
55°	183	169
65°	71	73
75°	28	30
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3090.8
2.5°	3068.4
5°	3013.1
7.5°	2927.5
10°	2815.6
12.5°	2681.2
15°	2521.9
17.5°	2341.5
20°	2140.0
22.5°	1945.1
25°	1742.3
27.5°	1548.7
30°	1364.3
32.5°	1177.3
35°	1008.8
37.5°	846.8
40°	695.3
42.5°	566.3
45°	451.7
47.5°	360.8
50°	289.7
52.5°	230.5
55°	183.1
57.5°	144.9
60°	113.3
62.5°	89.6
65°	71.1
67.5°	56.6
70°	44.8
72.5°	35.6
75°	27.7
77.5°	21.1
80°	17.1
82.5°	13.2
85°	9.2
87.5°	5.3
90°	0.0

(END OF REPORT)