

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: P366300

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366300  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3216.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

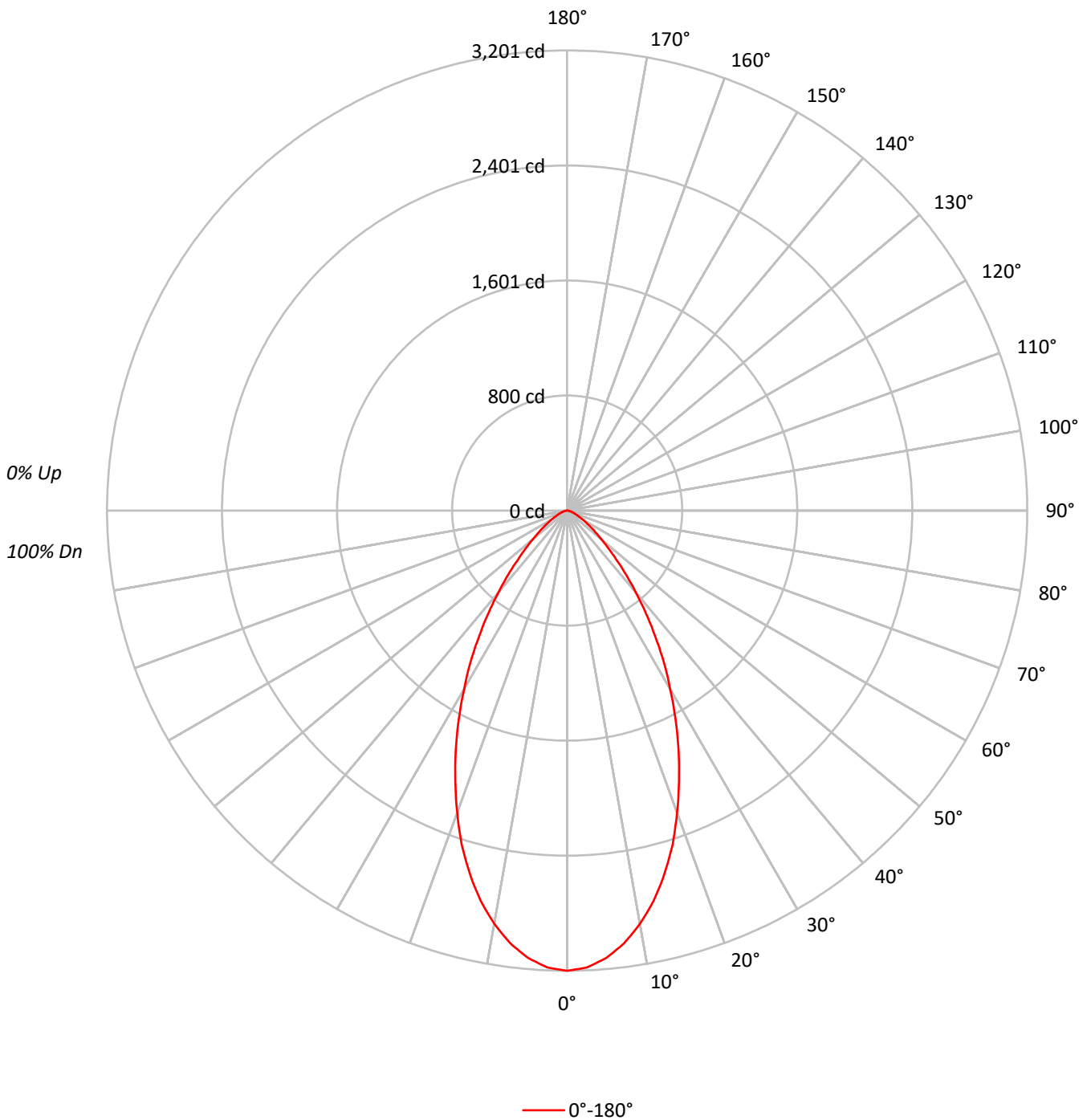
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

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

	0°
0°	229205
5°	224474
10°	212216
15°	193955
20°	170392
25°	144838
30°	118487
35°	93266
40°	69495
45°	49283
50°	34777
55°	24979
60°	17886
65°	12978
70°	10091
75°	8244
80°	7010
85°	6983



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.7	9.1
10°-20°	728.0	22.6
20°-30°	837.5	26.0
30°-40°	668.2	20.8
40°-50°	385.2	12.0
50°-60°	183.6	5.7
60°-70°	79.4	2.5
70°-80°	32.5	1.0
80°-90°	9.7	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°	1857.2	57.8
0°-40°	2525.5	78.5
0°-60°	3094.4	96.2
0°-90°	3216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3216.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3201	
5°	3123	292
15°	2616	728
25°	1833	838
35°	1067	668
45°	487	385
55°	200	184
65°	77	79
75°	30	33
85°	8	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3201.1
2.5°	3181.3
5°	3123.1
7.5°	3036.5
10°	2918.8
12.5°	2781.1
15°	2616.5
17.5°	2437.7
20°	2236.2
22.5°	2033.3
25°	1833.3
27.5°	1630.4
30°	1433.1
32.5°	1252.9
35°	1067.0
37.5°	901.0
40°	743.5
42.5°	608.7
45°	486.7
47.5°	390.2
50°	312.2
52.5°	249.7
55°	200.1
57.5°	157.5
60°	124.9
62.5°	97.9
65°	76.6
67.5°	61.0
70°	48.2
72.5°	38.3
75°	29.8
77.5°	22.7
80°	17.0
82.5°	12.8
85°	8.5
87.5°	5.7
90°	0.0

(END OF REPORT)