

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: P365582

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)  
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-MW-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2291.0 lumens  
Efficiency: N/A  
Efficacy: 56.4 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

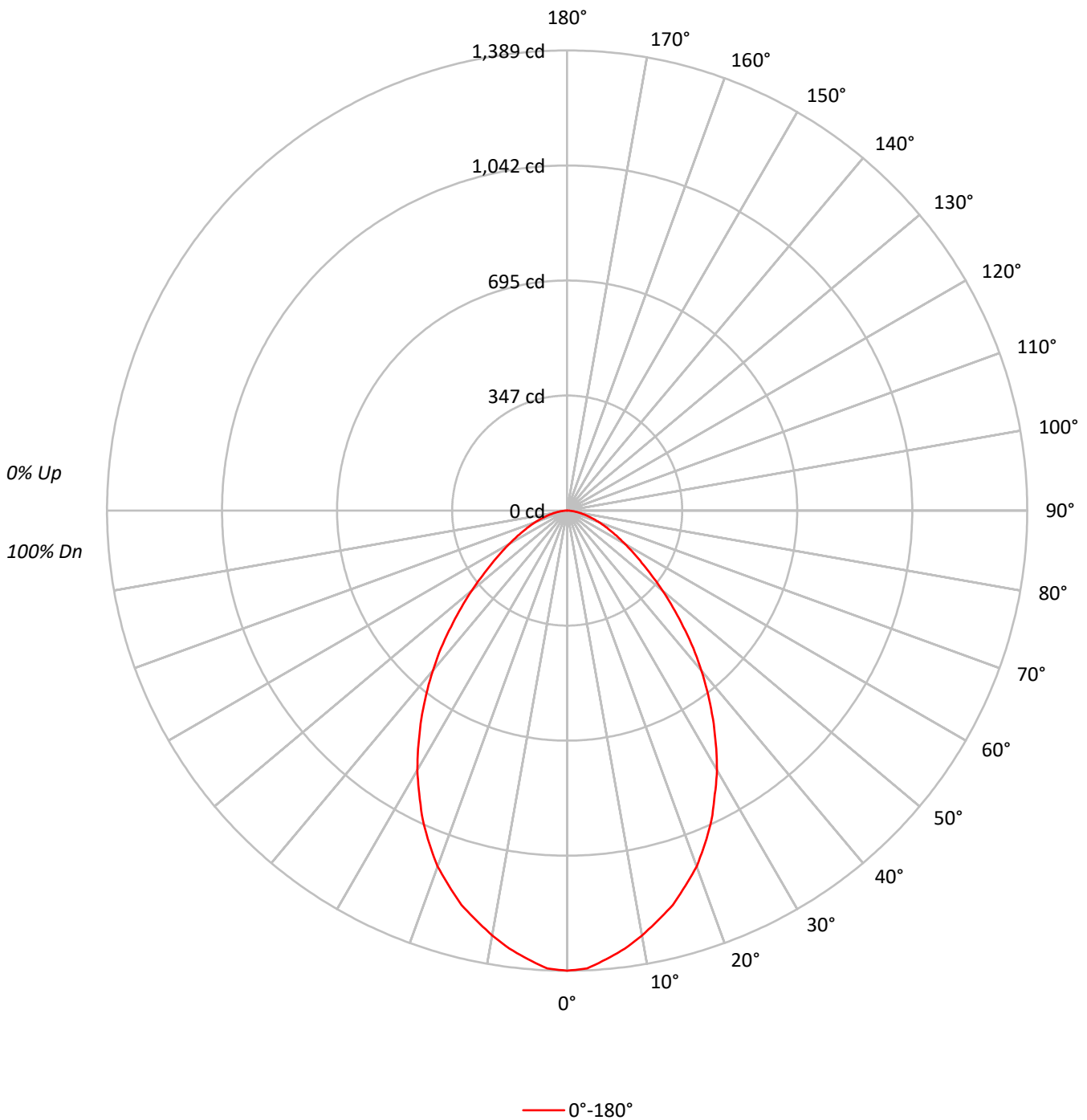
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

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

	0°
0°	99448
5°	97686
10°	94686
15°	91377
20°	87109
25°	81453
30°	74791
35°	67035
40°	58942
45°	50185
50°	41917
55°	34392
60°	28884
65°	24550
70°	21416
75°	18065
80°	14638
85°	11666



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.0	5.6
10°-20°	345.6	15.1
20°-30°	472.1	20.6
30°-40°	478.5	20.9
40°-50°	383.7	16.7
50°-60°	250.0	10.9
60°-70°	146.0	6.4
70°-80°	70.2	3.1
80°-90°	16.8	0.7
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°	945.8	41.3
0°-40°	1424.3	62.2
0°-60°	2058.0	89.8
0°-90°	2291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2291.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1389	
5°	1359	128
15°	1233	346
25°	1031	472
35°	767	479
45°	496	384
55°	276	250
65°	145	146
75°	65	70
85°	14	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1388.9
2.5°	1383.2
5°	1359.1
7.5°	1333.5
10°	1302.3
12.5°	1266.8
15°	1232.7
17.5°	1187.3
20°	1143.2
22.5°	1087.8
25°	1031.0
27.5°	965.7
30°	904.6
32.5°	835.1
35°	766.9
37.5°	698.7
40°	630.6
42.5°	563.8
45°	495.6
47.5°	433.1
50°	376.3
52.5°	321.0
55°	275.5
57.5°	235.7
60°	201.7
62.5°	171.8
65°	144.9
67.5°	122.1
70°	102.3
72.5°	82.4
75°	65.3
77.5°	49.7
80°	35.5
82.5°	24.1
85°	14.2
87.5°	5.7
90°	0.0

(END OF REPORT)