

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: P365547

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2447.0 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

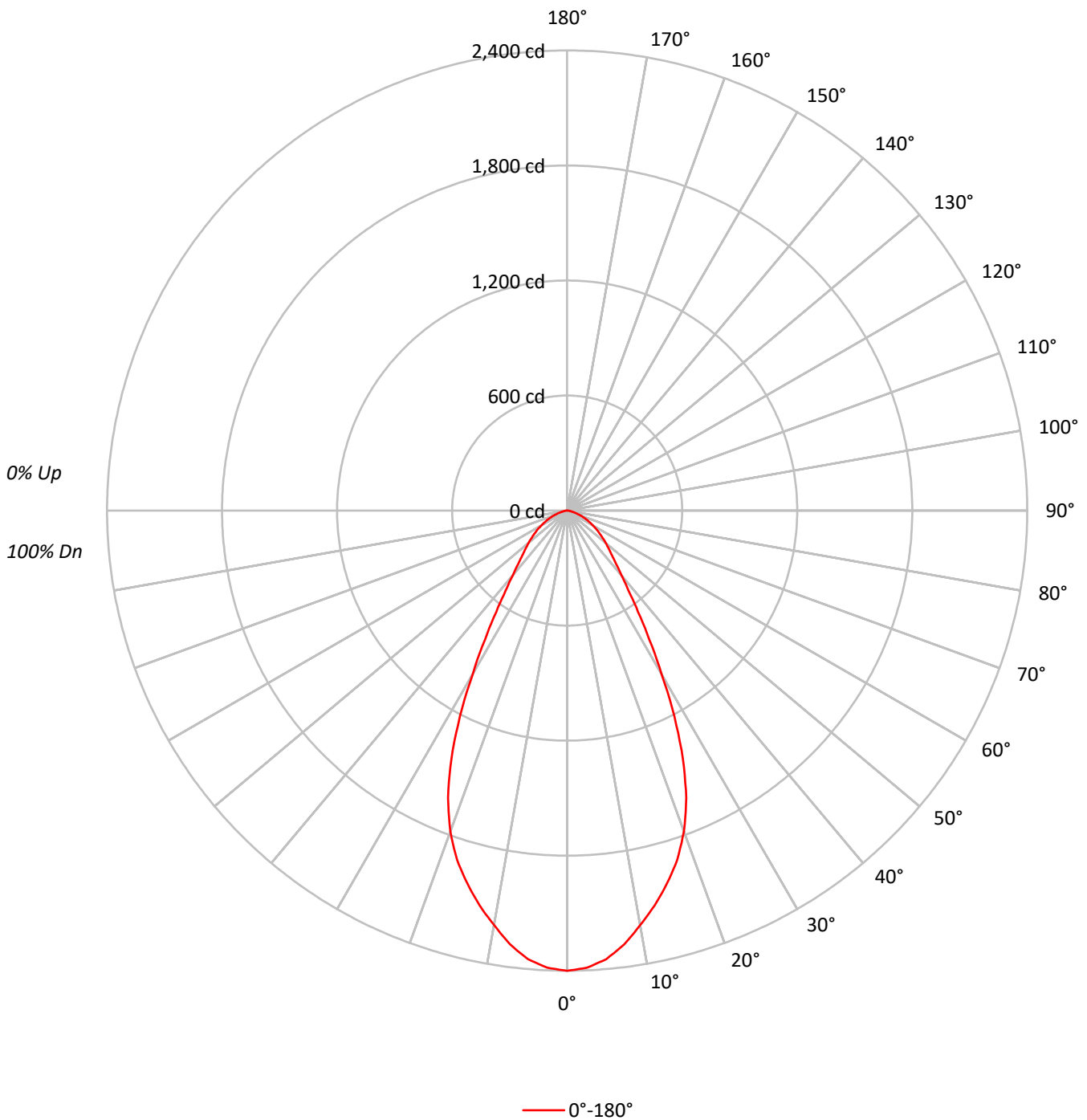
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

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

	0°
0°	171866
5°	168763
10°	159598
15°	149249
20°	135677
25°	112936
30°	81521
35°	56336
40°	41192
45°	33467
50°	29151
55°	25616
60°	22282
65°	18891
70°	15283
75°	10679
80°	6804
85°	7887



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.2	9.0
10°-20°	562.5	23.0
20°-30°	642.5	26.3
30°-40°	414.4	16.9
40°-50°	260.2	10.6
50°-60°	184.6	7.5
60°-70°	111.2	4.5
70°-80°	43.0	1.8
80°-90°	9.4	0.4
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°	1424.2	58.2
0°-40°	1838.7	75.1
0°-60°	2283.5	93.3
0°-90°	2447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2447.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2400	
5°	2348	219
15°	2013	563
25°	1430	643
35°	644	414
45°	330	260
55°	205	185
65°	112	111
75°	39	43
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2400.3
2.5°	2386.6
5°	2348.0
7.5°	2281.9
10°	2195.1
12.5°	2109.8
15°	2013.4
17.5°	1910.1
20°	1780.6
22.5°	1623.6
25°	1429.5
27.5°	1210.5
30°	986.0
32.5°	797.4
35°	644.5
37.5°	526.1
40°	440.7
42.5°	378.7
45°	330.5
47.5°	293.3
50°	261.7
52.5°	232.7
55°	205.2
57.5°	180.4
60°	155.6
62.5°	133.6
65°	111.5
67.5°	90.9
70°	73.0
72.5°	53.7
75°	38.6
77.5°	26.2
80°	16.5
82.5°	11.0
85°	9.6
87.5°	5.5
90°	0.0

(END OF REPORT)