

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: P364817

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364817  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)  
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-LI-BL84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3653.0 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

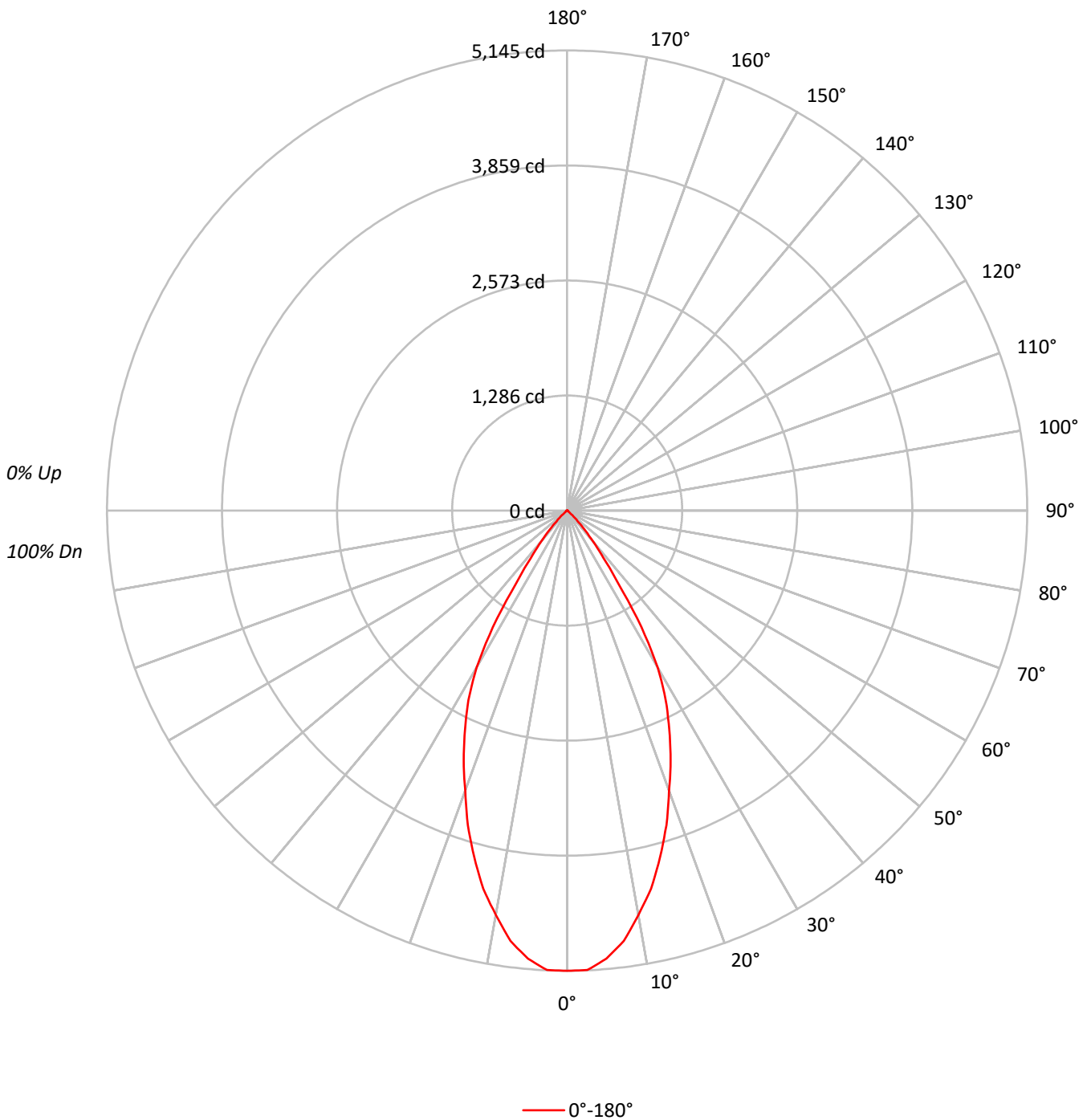
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

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

	0°
0°	140545
5°	137874
10°	127322
15°	113460
20°	96896
25°	81375
30°	63883
35°	33102
40°	15807
45°	6223
50°	1640
55°	457
60°	300
65°	265
70°	224
75°	296
80°	220
85°	439



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	466.3	12.8
10°-20°	1115.1	30.5
20°-30°	1231.1	33.7
30°-40°	677.4	18.5
40°-50°	143.2	3.9
50°-60°	12.1	0.3
60°-70°	3.7	0.1
70°-80°	2.7	0.1
80°-90°	1.3	0.0
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°	2812.5	77.0
0°-40°	3489.9	95.5
0°-60°	3645.2	99.8
0°-90°	3653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3653.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5145	
5°	5028	466
15°	4012	1115
25°	2700	1231
35°	993	677
45°	161	143
55°	10	12
65°	4	4
75°	3	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5145.3
2.5°	5142.6
5°	5028.3
7.5°	4852.1
10°	4590.4
12.5°	4330.2
15°	4012.2
17.5°	3688.6
20°	3333.4
22.5°	3022.2
25°	2700.0
27.5°	2388.9
30°	2025.4
32.5°	1546.2
35°	992.7
37.5°	669.2
40°	443.3
42.5°	276.7
45°	161.1
47.5°	82.6
50°	38.6
52.5°	16.5
55°	9.6
57.5°	6.9
60°	5.5
62.5°	4.1
65°	4.1
67.5°	2.8
70°	2.8
72.5°	4.1
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)