

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: P365556

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3222.1 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

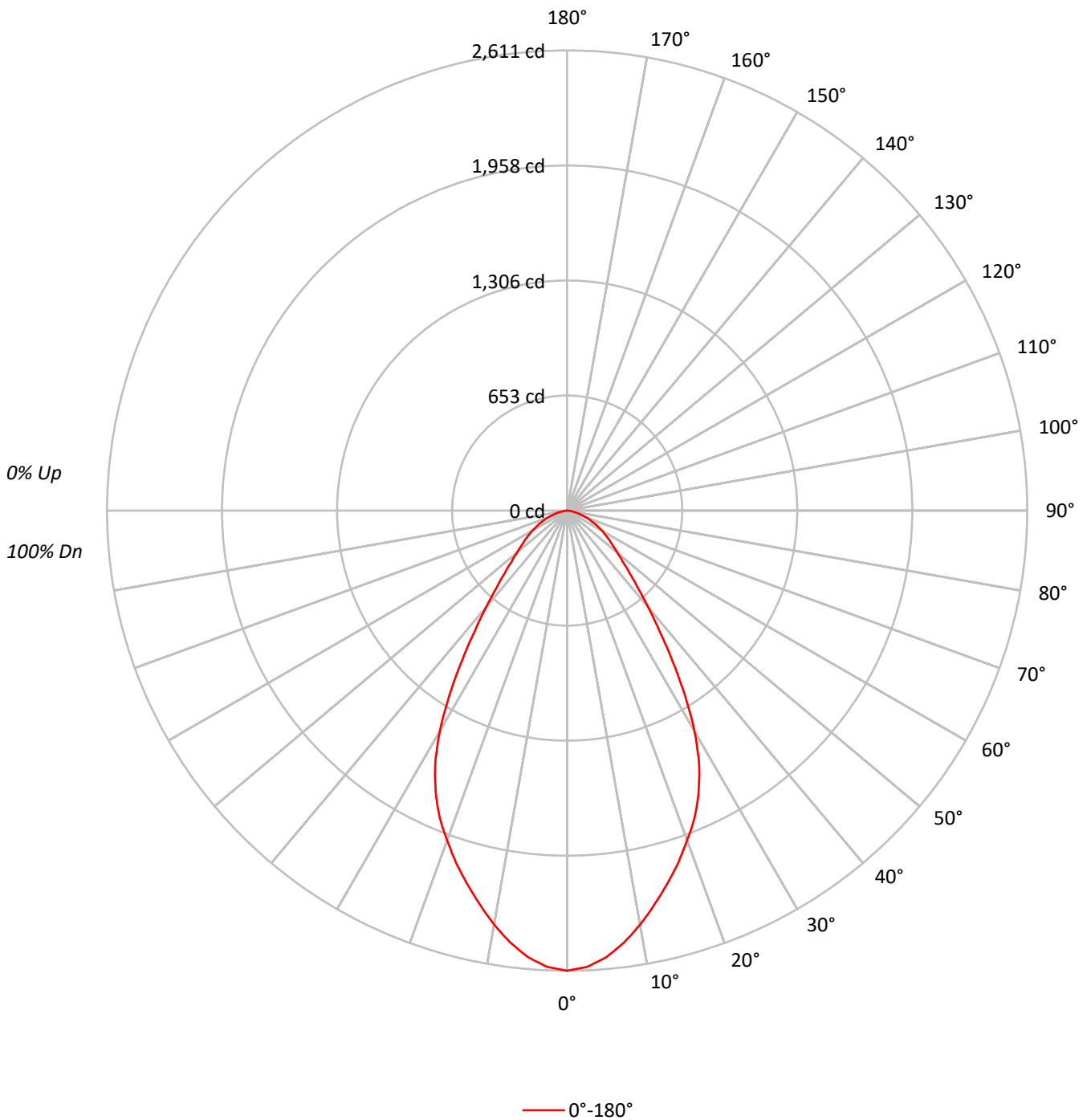
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365556

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL85

### Luminous Intensity Polar Plot





TEST NUMBER: P365556

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL85

**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	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	71326
5°	69750
10°	66155
15°	62004
20°	57858
25°	53214
30°	45589
35°	34706
40°	25495
45°	19319
50°	15817
55°	13915
60°	12434
65°	10897
70°	9312
75°	7261
80°	4861
85°	2194



TEST NUMBER: P365556

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL85

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.7	7.4
10°-20°	615.5	19.1
20°-30°	802.1	24.9
30°-40°	654.0	20.3
40°-50°	395.9	12.3
50°-60°	263.0	8.2
60°-70°	168.2	5.2
70°-80°	74.5	2.3
80°-90°	11.1	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°	1655.4	51.4
0°-40°	2309.4	71.7
0°-60°	2968.3	92.1
0°-90°	3222.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3222.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2611	
5°	2544	238
15°	2193	616
25°	1766	802
35°	1041	654
45°	500	396
55°	292	263
65°	169	168
75°	69	75
85°	7	11
90°	0	



TEST NUMBER: P365556

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL85

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2611.2
2.5°	2591.6
5°	2543.8
7.5°	2472.2
10°	2385.1
12.5°	2289.6
15°	2192.6
17.5°	2095.7
20°	1990.4
22.5°	1889.2
25°	1765.6
27.5°	1622.4
30°	1445.4
32.5°	1243.1
35°	1040.8
37.5°	858.2
40°	715.0
42.5°	592.8
45°	500.1
47.5°	427.0
50°	372.2
52.5°	327.3
55°	292.2
57.5°	258.5
60°	227.6
62.5°	198.1
65°	168.6
67.5°	141.9
70°	116.6
72.5°	91.3
75°	68.8
77.5°	49.2
80°	30.9
82.5°	16.9
85°	7.0
87.5°	1.4
90°	0.0

(END OF REPORT)