

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: P366287

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366287  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
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-WMH-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3008.1 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

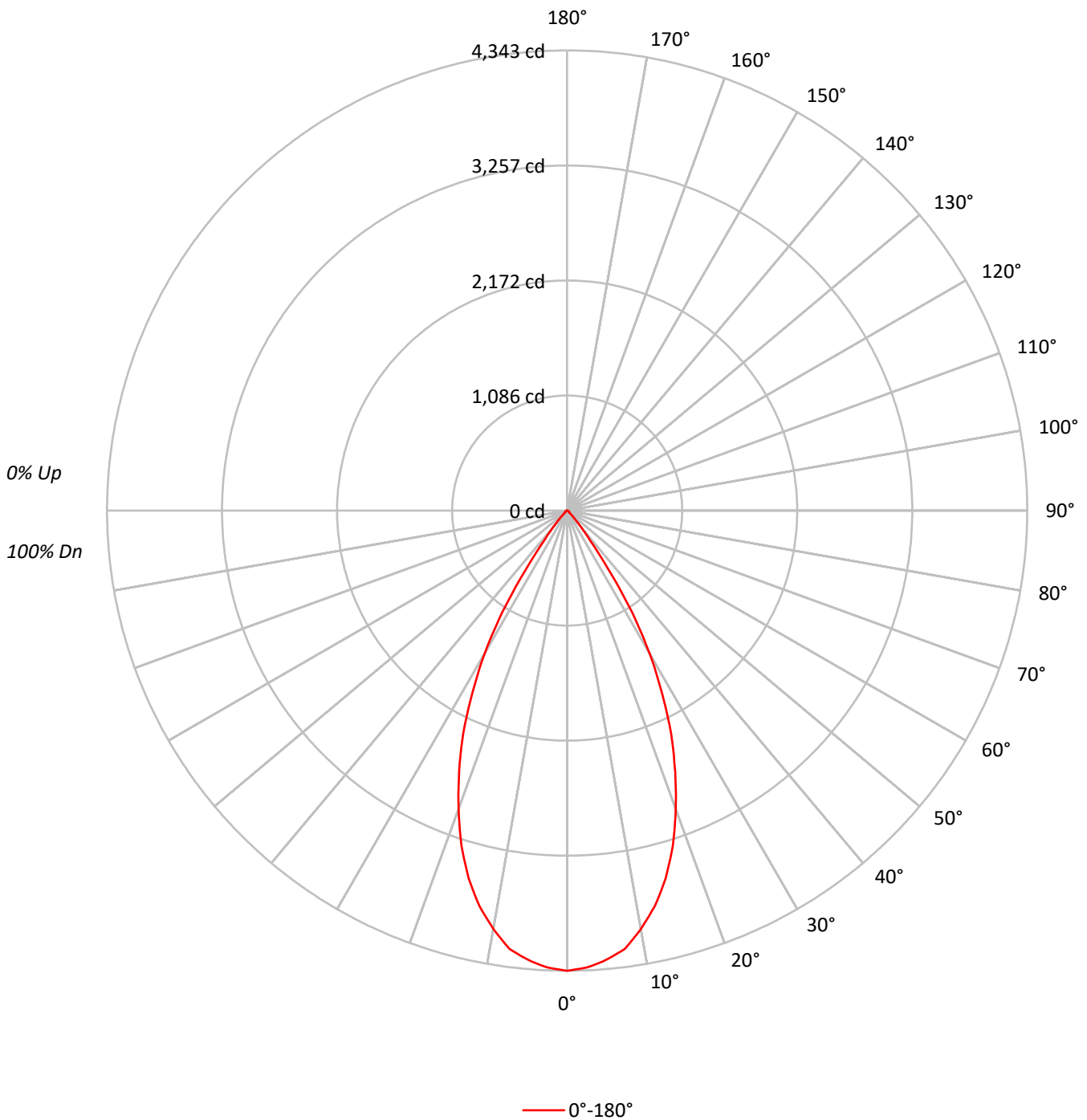
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366287

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR86

### Luminous Intensity Polar Plot





TEST NUMBER: P366287

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR86

**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	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

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

	0°
0°	310995
5°	305873
10°	291451
15°	266319
20°	228386
25°	183250
30°	128483
35°	59360
40°	19058
45°	6157
50°	2863
55°	2534
60°	2520
65°	2287
70°	2261
75°	2628
80°	3340
85°	5586



TEST NUMBER: P366287

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR86

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.1	13.3
10°-20°	994.2	33.0
20°-30°	1044.1	34.7
30°-40°	463.3	15.4
40°-50°	59.9	2.0
50°-60°	18.7	0.6
60°-70°	13.2	0.4
70°-80°	9.7	0.3
80°-90°	5.9	0.2
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°	2437.4	81.0
0°-40°	2900.7	96.4
0°-60°	2979.3	99.0
0°-90°	3008.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3008.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4343	
5°	4256	399
15°	3593	994
25°	2320	1044
35°	679	463
45°	61	60
55°	20	19
65°	14	13
75°	10	10
85°	7	6
90°	0	



TEST NUMBER: P366287

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR86

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4343.4
2.5°	4316.4
5°	4255.6
7.5°	4173.3
10°	4008.6
12.5°	3823.6
15°	3592.7
17.5°	3315.9
20°	2997.3
22.5°	2662.5
25°	2319.5
27.5°	1934.7
30°	1554.0
32.5°	1142.2
35°	679.1
37.5°	361.8
40°	203.9
42.5°	112.1
45°	60.8
47.5°	31.1
50°	25.7
52.5°	23.0
55°	20.3
57.5°	18.9
60°	17.6
62.5°	14.9
65°	13.5
67.5°	10.8
70°	10.8
72.5°	9.5
75°	9.5
77.5°	8.1
80°	8.1
82.5°	6.8
85°	6.8
87.5°	4.1
90°	0.0

(END OF REPORT)