

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: P366320

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366320  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3123.0 lumens  
Efficiency: N/A  
Efficacy: 76.9 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

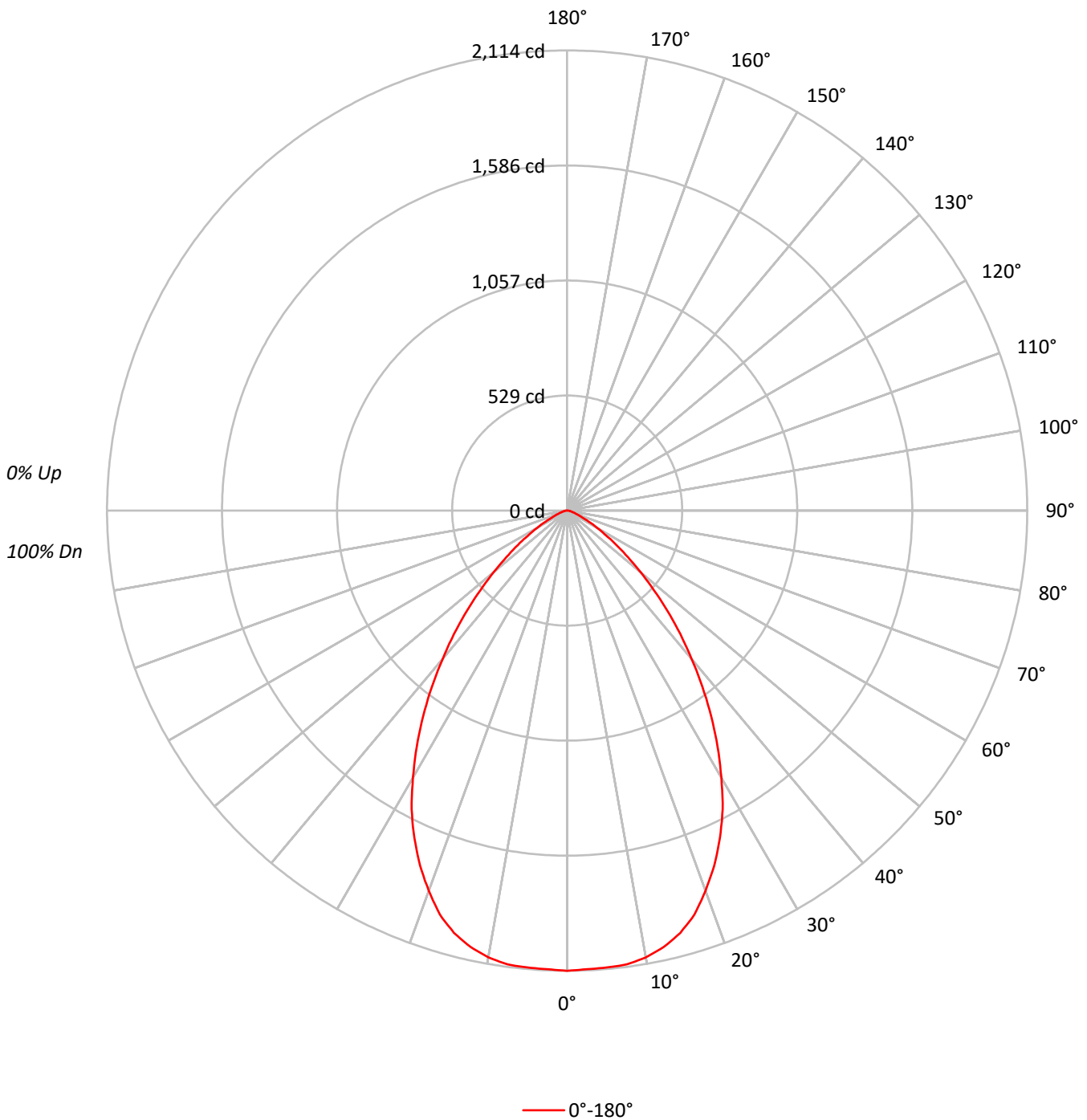
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366320

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR82

### Luminous Intensity Polar Plot





TEST NUMBER: P366320

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR82

**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	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62		71	66	62		69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47		57	51	47		55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49	44	40	38

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

	0°
0°	151402
5°	151456
10°	151520
15°	148878
20°	141620
25°	131210
30°	117114
35°	100801
40°	83188
45°	65829
50°	48924
55°	34492
60°	22913
65°	14045
70°	9128
75°	6833
80°	5979
85°	7147



TEST NUMBER: P366320

CATALOG NUMBER: FLD6BX40D010-FEUGB35-8050-F6LBXVM1-WMH-BTR82

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.5	6.4
10°-20°	562.2	18.0
20°-30°	759.1	24.3
30°-40°	718.2	23.0
40°-50°	503.4	16.1
50°-60°	253.3	8.1
60°-70°	89.5	2.9
70°-80°	27.9	0.9
80°-90°	8.7	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°	1521.9	48.7
0°-40°	2240.1	71.7
0°-60°	2996.8	96.0
0°-90°	3123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3123.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2114	
5°	2107	201
15°	2008	562
25°	1661	759
35°	1153	718
45°	650	503
55°	276	253
65°	83	89
75°	25	28
85°	9	9
90°	0	



TEST NUMBER: P366320

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR82

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2114.5
2.5°	2108.7
5°	2107.2
7.5°	2102.9
10°	2084.0
12.5°	2053.4
15°	2008.4
17.5°	1945.8
20°	1858.6
22.5°	1765.5
25°	1660.8
27.5°	1547.4
30°	1416.5
32.5°	1287.0
35°	1153.2
37.5°	1020.9
40°	890.0
42.5°	769.3
45°	650.1
47.5°	541.0
50°	439.2
52.5°	351.9
55°	276.3
57.5°	212.3
60°	160.0
62.5°	117.8
65°	82.9
67.5°	61.1
70°	43.6
72.5°	33.4
75°	24.7
77.5°	18.9
80°	14.5
82.5°	11.6
85°	8.7
87.5°	4.4
90°	0.0

(END OF REPORT)