

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: P366245

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2657.0 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

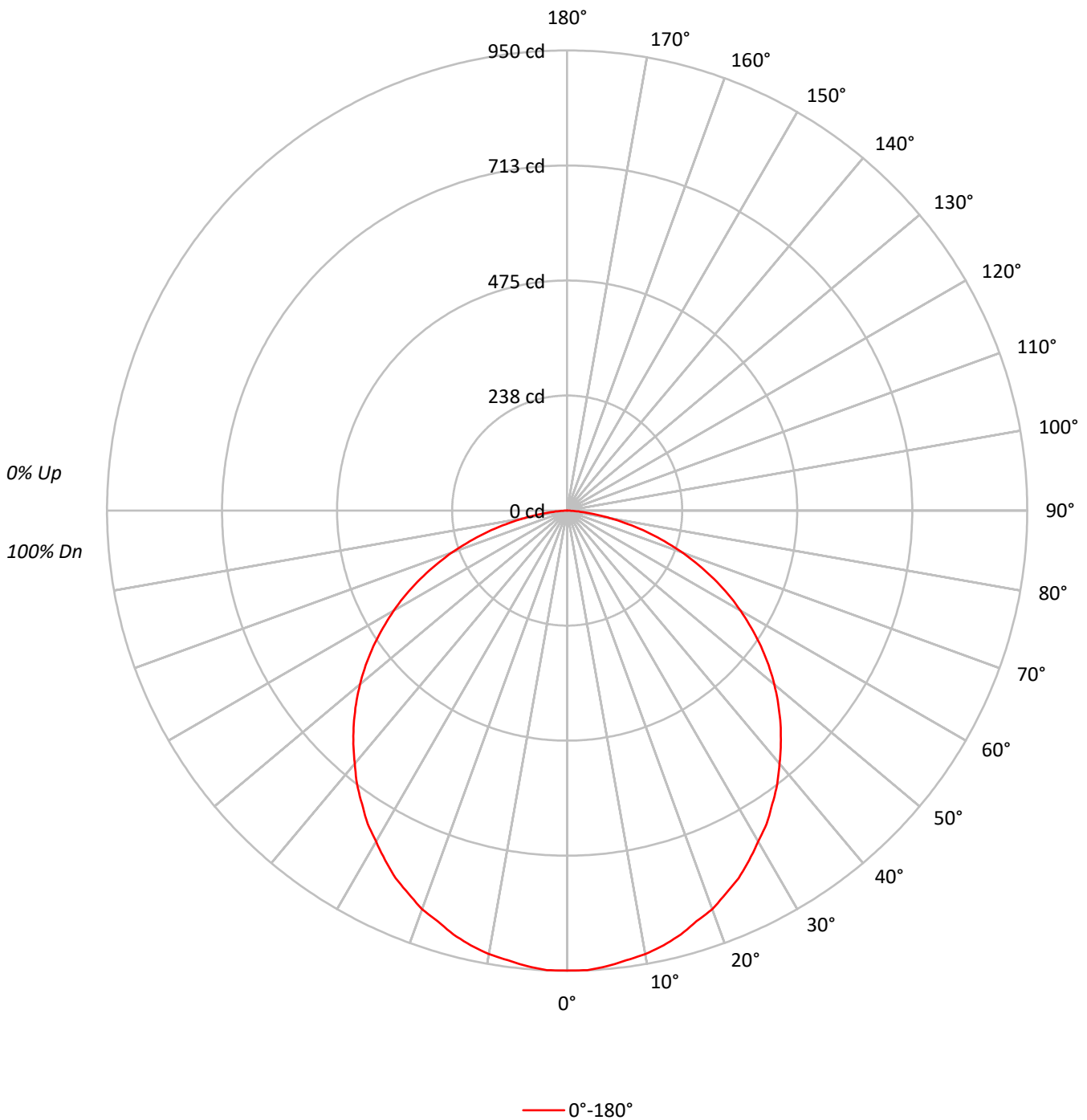
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366245

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BL89BW

### Luminous Intensity Polar Plot





TEST NUMBER: P366245

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BL89BW

**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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	25939
5°	25892
10°	25790
15°	25623
20°	25458
25°	25244
30°	24883
35°	24636
40°	24326
45°	24062
50°	23729
55°	23268
60°	22590
65°	21620
70°	20198
75°	17931
80°	14299
85°	8681



TEST NUMBER: P366245

CATALOG NUMBER: FLD6BX40D010-FEUGB35-8027-F6LBXVM1-WMH-BL89BW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.6	3.4
10°-20°	255.5	9.6
20°-30°	385.3	14.5
30°-40°	462.5	17.4
40°-50°	480.3	18.1
50°-60°	435.9	16.4
60°-70°	330.7	12.4
70°-80°	179.6	6.8
80°-90°	37.4	1.4
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°	730.5	27.5
0°-40°	1193.0	44.9
0°-60°	2109.2	79.4
0°-90°	2657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2657.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	950	
5°	944	90
15°	906	256
25°	838	385
35°	739	463
45°	623	480
55°	489	436
65°	334	331
75°	170	180
85°	28	37
90°	0	



TEST NUMBER: P366245

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BL89BW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	949.6
2.5°	949.6
5°	944.3
7.5°	936.4
10°	929.8
12.5°	919.3
15°	906.1
17.5°	889.0
20°	875.8
22.5°	856.0
25°	837.6
27.5°	813.9
30°	788.9
32.5°	766.5
35°	738.8
37.5°	712.5
40°	682.2
42.5°	653.2
45°	622.9
47.5°	591.3
50°	558.4
52.5°	524.2
55°	488.6
57.5°	450.4
60°	413.5
62.5°	375.3
65°	334.5
67.5°	293.7
70°	252.9
72.5°	210.7
75°	169.9
77.5°	129.1
80°	90.9
82.5°	56.6
85°	27.7
87.5°	7.9
90°	0.0

(END OF REPORT)