

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: P365416

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1721.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 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

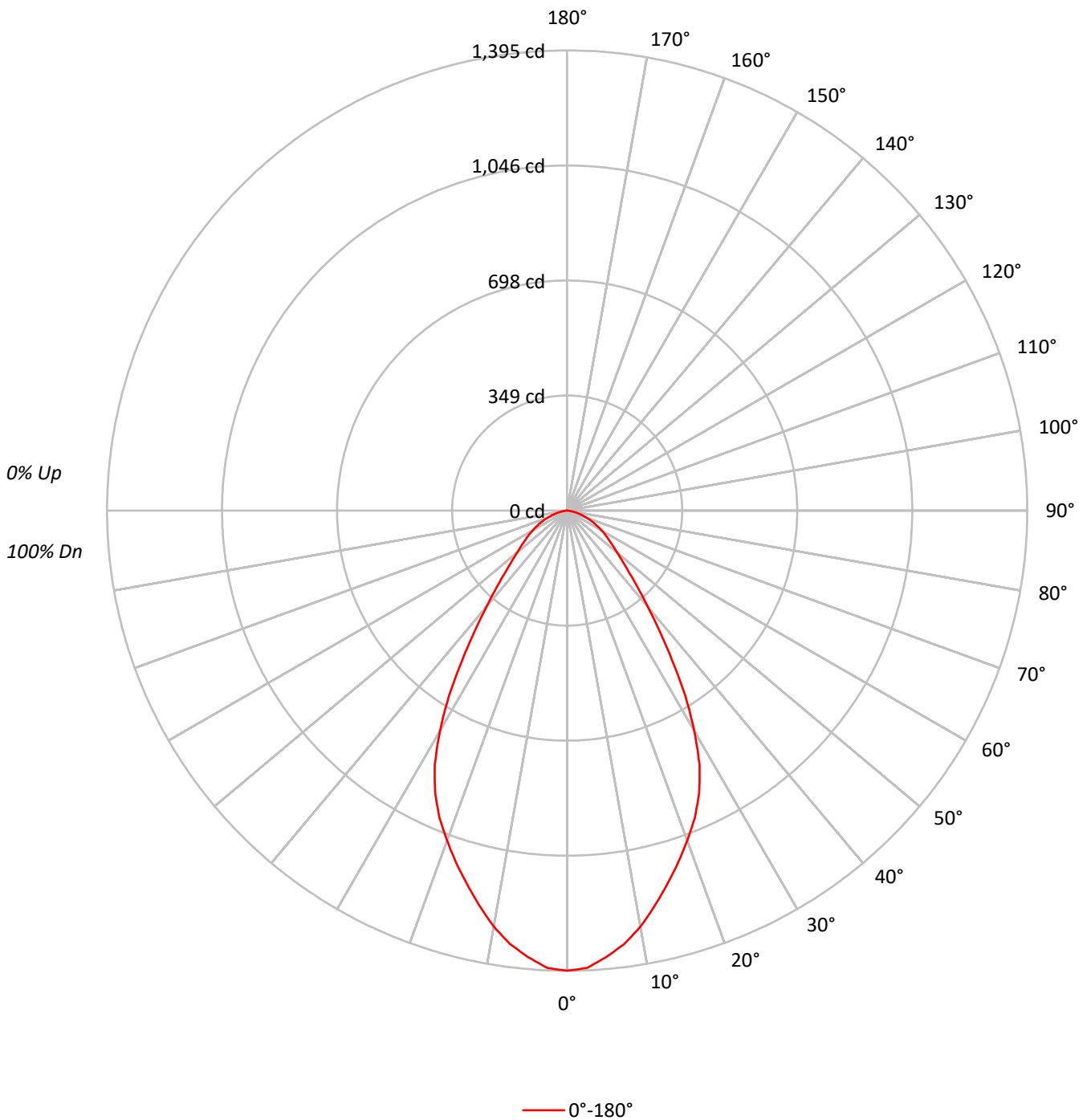
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365416

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL89BV

### Luminous Intensity Polar Plot





TEST NUMBER: P365416

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL89BV

**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	95	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	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	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	64	57	52	62	56	52	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°	38097
5°	37250
10°	35511
15°	33151
20°	30937
25°	28524
30°	24293
35°	18480
40°	13528
45°	10291
50°	8363
55°	7343
60°	6599
65°	5830
70°	4936
75°	3894
80°	2690
85°	1128



TEST NUMBER: P365416

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL89BV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.3	7.4
10°-20°	329.3	19.1
20°-30°	429.1	24.9
30°-40°	349.4	20.3
40°-50°	210.7	12.2
50°-60°	139.7	8.1
60°-70°	89.6	5.2
70°-80°	39.9	2.3
80°-90°	6.0	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°	885.7	51.5
0°-40°	1235.1	71.8
0°-60°	1585.4	92.1
0°-90°	1721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1721.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1395	
5°	1358	127
15°	1172	329
25°	946	429
35°	554	349
45°	266	211
55°	154	140
65°	90	90
75°	37	40
85°	4	6
90°	0	



TEST NUMBER: P365416

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL89BV

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1394.7
2.5°	1387.6
5°	1358.5
7.5°	1325.1
10°	1280.3
12.5°	1227.0
15°	1172.3
17.5°	1119.0
20°	1064.3
22.5°	1009.6
25°	946.4
27.5°	868.9
30°	770.2
32.5°	667.1
35°	554.2
37.5°	459.7
40°	379.4
42.5°	316.2
45°	266.4
47.5°	227.4
50°	196.8
52.5°	174.8
55°	154.2
57.5°	137.8
60°	120.8
62.5°	105.2
65°	90.2
67.5°	76.0
70°	61.8
72.5°	49.0
75°	36.9
77.5°	26.3
80°	17.1
82.5°	9.2
85°	3.6
87.5°	0.7
90°	0.0

(END OF REPORT)