

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: P364649

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1463.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

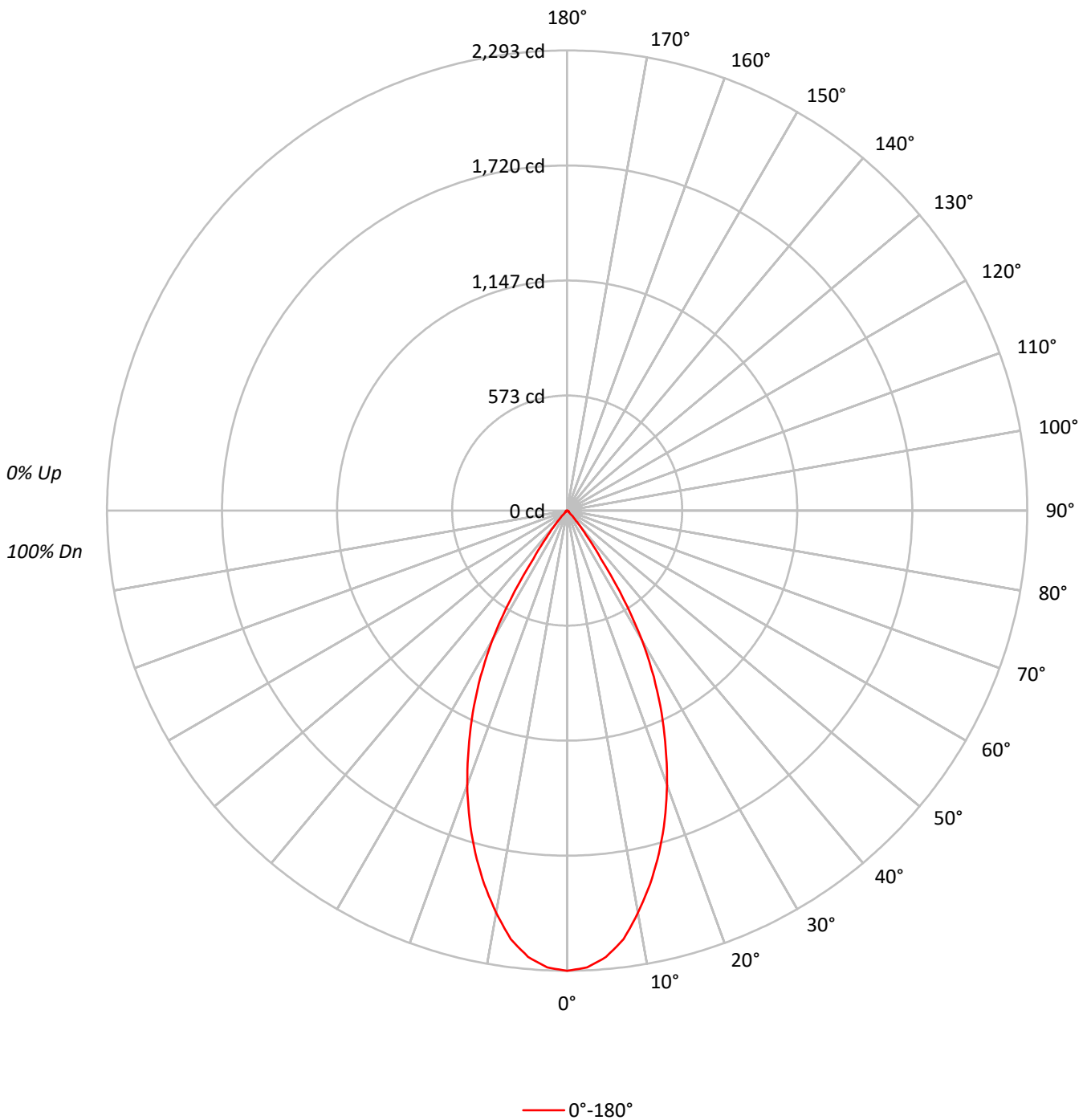
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P364649

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BTR86

### Luminous Intensity Polar Plot





TEST NUMBER: P364649

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-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	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

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

	0°
0°	164205
5°	160462
10°	147928
15°	131021
20°	110928
25°	87884
30°	61761
35°	25725
40°	8824
45°	2359
50°	1292
55°	1211
60°	1117
65°	1101
70°	1089
75°	1245
80°	1608
85°	2629



TEST NUMBER: P364649

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BTR86

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.9	14.1
10°-20°	490.3	33.5
20°-30°	503.4	34.4
30°-40°	213.2	14.6
40°-50°	26.2	1.8
50°-60°	8.7	0.6
60°-70°	6.4	0.4
70°-80°	5.0	0.3
80°-90°	3.0	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°	1200.6	82.1
0°-40°	1413.8	96.6
0°-60°	1448.7	99.0
0°-90°	1463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1463.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2293	
5°	2232	207
15°	1768	490
25°	1112	503
35°	294	213
45°	23	26
55°	10	9
65°	6	6
75°	4	5
85°	3	3
90°	0	



TEST NUMBER: P364649

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-LI-BTR86

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2293.3
2.5°	2278.4
5°	2232.5
7.5°	2153.6
10°	2034.6
12.5°	1907.8
15°	1767.5
17.5°	1616.8
20°	1455.8
22.5°	1284.4
25°	1112.4
27.5°	934.5
30°	747.0
32.5°	526.4
35°	294.3
37.5°	168.8
40°	94.4
42.5°	49.8
45°	23.3
47.5°	13.6
50°	11.6
52.5°	10.3
55°	9.7
57.5°	9.1
60°	7.8
62.5°	7.1
65°	6.5
67.5°	5.8
70°	5.2
72.5°	5.2
75°	4.5
77.5°	4.5
80°	3.9
82.5°	3.9
85°	3.2
87.5°	1.9
90°	0.0

(END OF REPORT)