

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: P364716

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364716  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2172.1 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

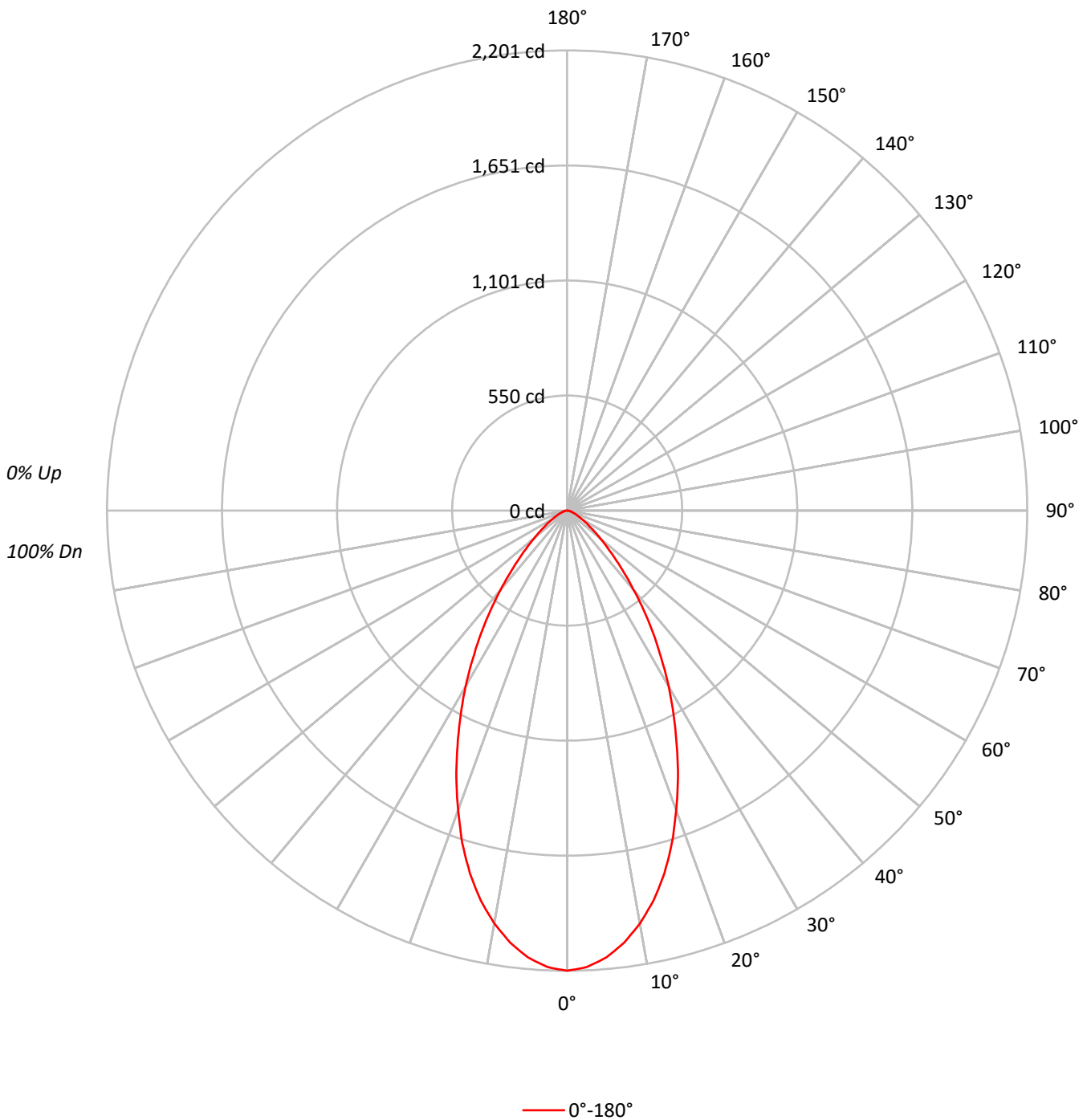
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P364716

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR80

### Luminous Intensity Polar Plot





TEST NUMBER: P364716

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR80

**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	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					100			
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69					69			
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59					59			
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54					54			
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50					50			
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47					47			
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44					44			

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

	0°
0°	157596
5°	154223
10°	145776
15°	133126
20°	116117
25°	98020
30°	80331
35°	62795
40°	46286
45°	32575
50°	22980
55°	16278
60°	11557
65°	8573
70°	6678
75°	5450
80°	5031
85°	5422



TEST NUMBER: P364716

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR80

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.3	9.2
10°-20°	498.8	23.0
20°-30°	568.3	26.2
30°-40°	448.6	20.7
40°-50°	255.0	11.7
50°-60°	120.3	5.5
60°-70°	52.1	2.4
70°-80°	21.6	1.0
80°-90°	7.0	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°	1267.5	58.4
0°-40°	1716.1	79.0
0°-60°	2091.3	96.3
0°-90°	2172.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2172.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2201	
5°	2146	200
15°	1796	499
25°	1241	568
35°	718	449
45°	322	255
55°	130	120
65°	51	52
75°	20	22
85°	7	7
90°	0	



TEST NUMBER: P364716

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR80

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2201.0
2.5°	2185.1
5°	2145.7
7.5°	2084.8
10°	2005.0
12.5°	1909.4
15°	1795.9
17.5°	1667.4
20°	1523.9
22.5°	1385.2
25°	1240.7
27.5°	1102.9
30°	971.6
32.5°	838.4
35°	718.4
37.5°	603.0
40°	495.2
42.5°	403.3
45°	321.7
47.5°	257.0
50°	206.3
52.5°	164.1
55°	130.4
57.5°	103.2
60°	80.7
62.5°	63.8
65°	50.6
67.5°	40.3
70°	31.9
72.5°	25.3
75°	19.7
77.5°	15.0
80°	12.2
82.5°	9.4
85°	6.6
87.5°	3.8
90°	0.0

(END OF REPORT)