

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: P364626

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364626  
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: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1490.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 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

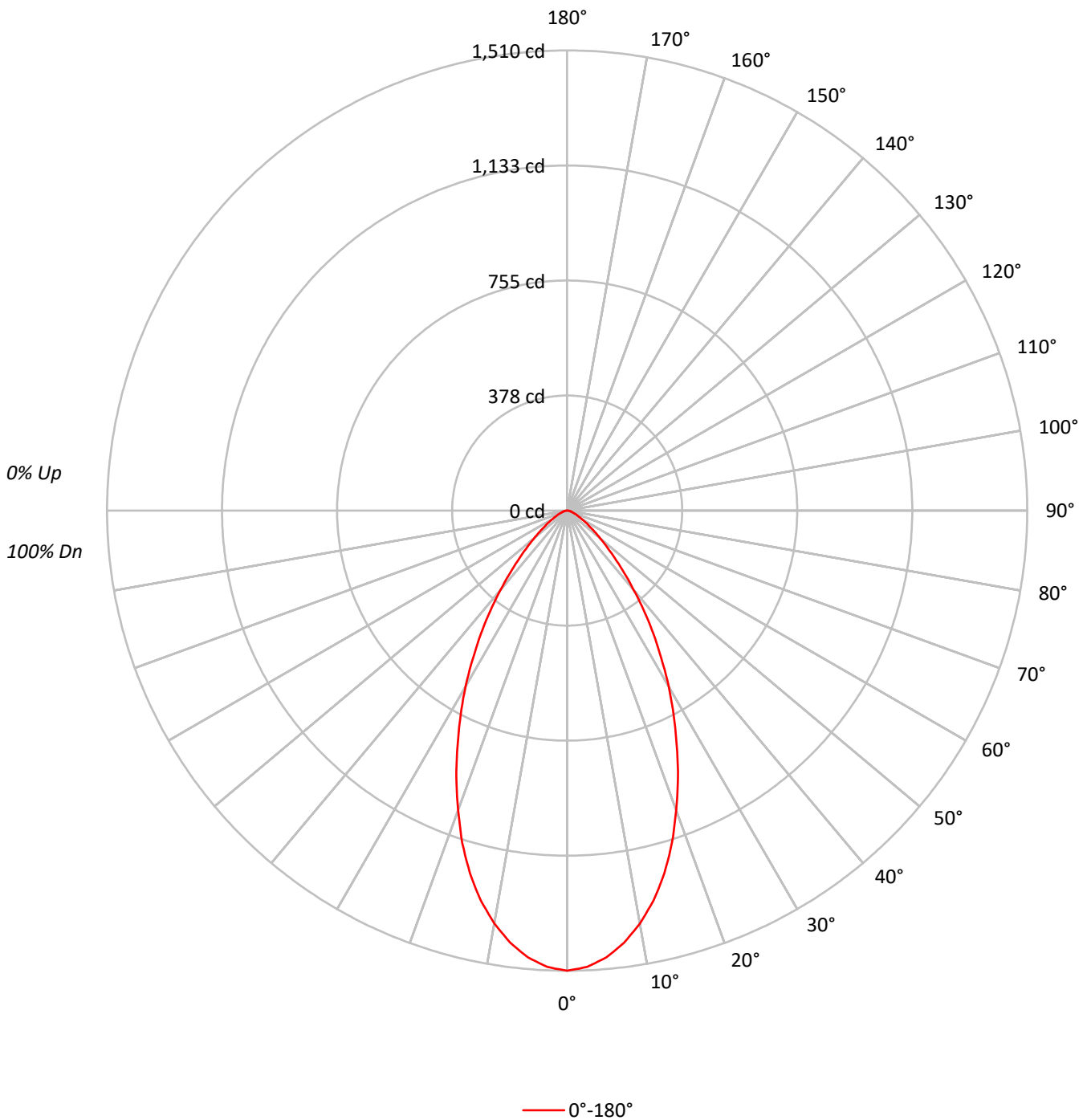
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

	0°
0°	108112
5°	105801
10°	100008
15°	91325
20°	79656
25°	67240
30°	55105
35°	43076
40°	31752
45°	22348
50°	15762
55°	11160
60°	7919
65°	5879
70°	4585
75°	3735
80°	3464
85°	3697



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.4	9.2
10°-20°	342.2	23.0
20°-30°	389.9	26.2
30°-40°	307.7	20.7
40°-50°	174.9	11.7
50°-60°	82.5	5.5
60°-70°	35.7	2.4
70°-80°	14.8	1.0
80°-90°	4.8	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°	869.5	58.4
0°-40°	1177.2	79.0
0°-60°	1434.6	96.3
0°-90°	1490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1490.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1510	
5°	1472	137
15°	1232	342
25°	851	390
35°	493	308
45°	221	175
55°	89	83
65°	35	36
75°	14	15
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1509.9
2.5°	1499.0
5°	1472.0
7.5°	1430.2
10°	1375.5
12.5°	1309.8
15°	1232.0
17.5°	1143.9
20°	1045.4
22.5°	950.2
25°	851.1
27.5°	756.6
30°	666.5
32.5°	575.1
35°	492.8
37.5°	413.7
40°	339.7
42.5°	276.6
45°	220.7
47.5°	176.3
50°	141.5
52.5°	112.6
55°	89.4
57.5°	70.8
60°	55.3
62.5°	43.7
65°	34.7
67.5°	27.7
70°	21.9
72.5°	17.4
75°	13.5
77.5°	10.3
80°	8.4
82.5°	6.4
85°	4.5
87.5°	2.6
90°	0.0

(END OF REPORT)