

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: P365408

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365408  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1299.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

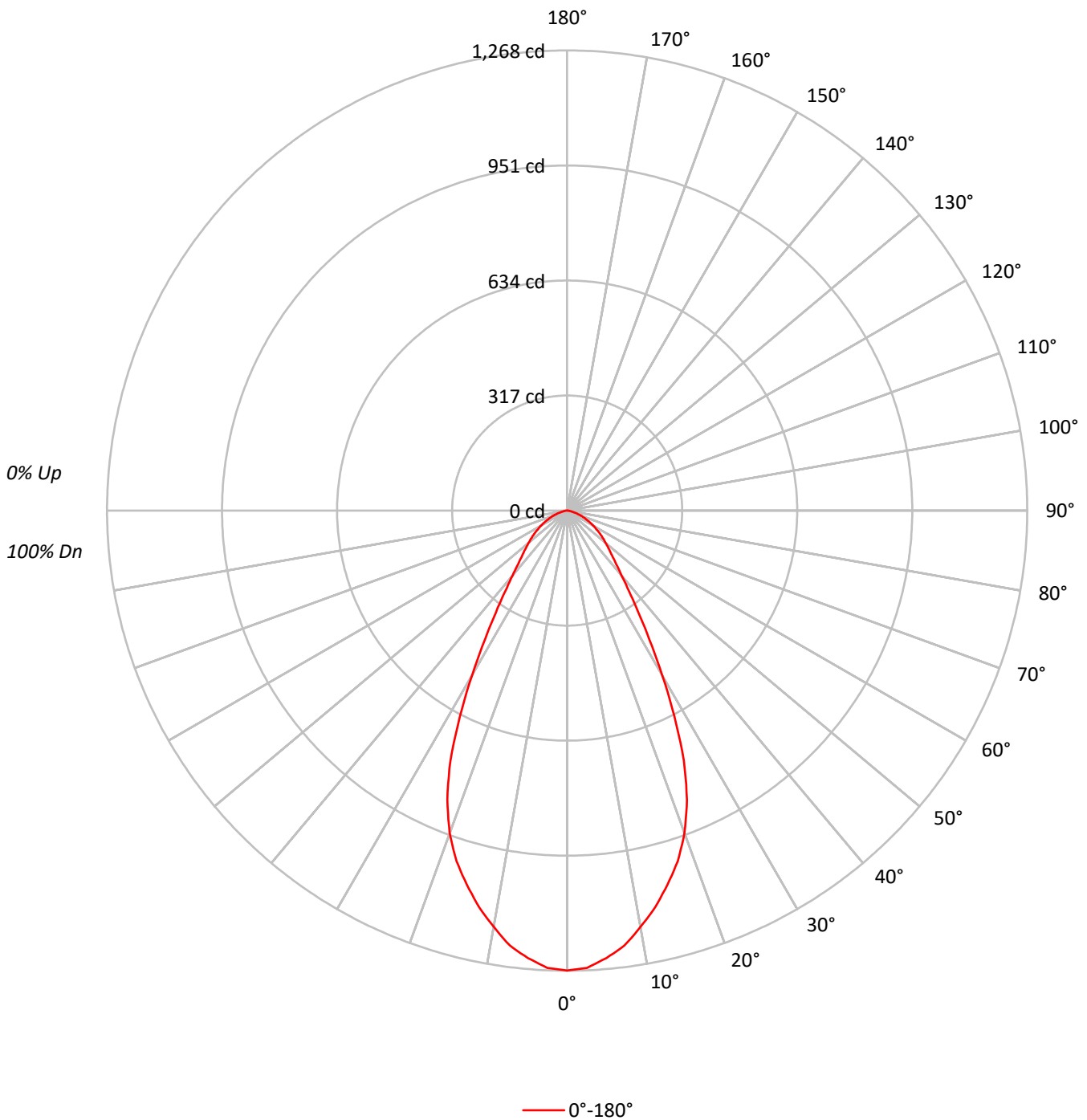
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	90755
5°	88960
10°	84696
15°	79109
20°	72075
25°	60169
30°	43257
35°	29859
40°	21825
45°	17680
50°	15439
55°	13669
60°	11915
65°	10098
70°	8123
75°	5754
80°	4000
85°	4518



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.0	8.9
10°-20°	298.5	23.0
20°-30°	341.1	26.3
30°-40°	219.5	16.9
40°-50°	137.5	10.6
50°-60°	98.2	7.6
60°-70°	59.6	4.6
70°-80°	23.4	1.8
80°-90°	5.3	0.4
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°	755.6	58.2
0°-40°	975.0	75.1
0°-60°	1210.8	93.2
0°-90°	1299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1299.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1268	
5°	1238	116
15°	1067	298
25°	762	341
35°	342	219
45°	175	138
55°	110	98
65°	60	60
75°	21	23
85°	6	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1267.5
2.5°	1261.2
5°	1237.7
7.5°	1209.3
10°	1164.9
12.5°	1119.9
15°	1067.2
17.5°	1013.1
20°	945.9
22.5°	862.8
25°	761.6
27.5°	639.6
30°	523.2
32.5°	420.6
35°	341.6
37.5°	279.3
40°	233.5
42.5°	199.6
45°	174.6
47.5°	155.2
50°	138.6
52.5°	124.0
55°	109.5
57.5°	95.6
60°	83.2
62.5°	71.4
65°	59.6
67.5°	49.2
70°	38.8
72.5°	29.1
75°	20.8
77.5°	14.6
80°	9.7
82.5°	6.2
85°	5.5
87.5°	2.8
90°	0.0

(END OF REPORT)