

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: P364635

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)  
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-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1487.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 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

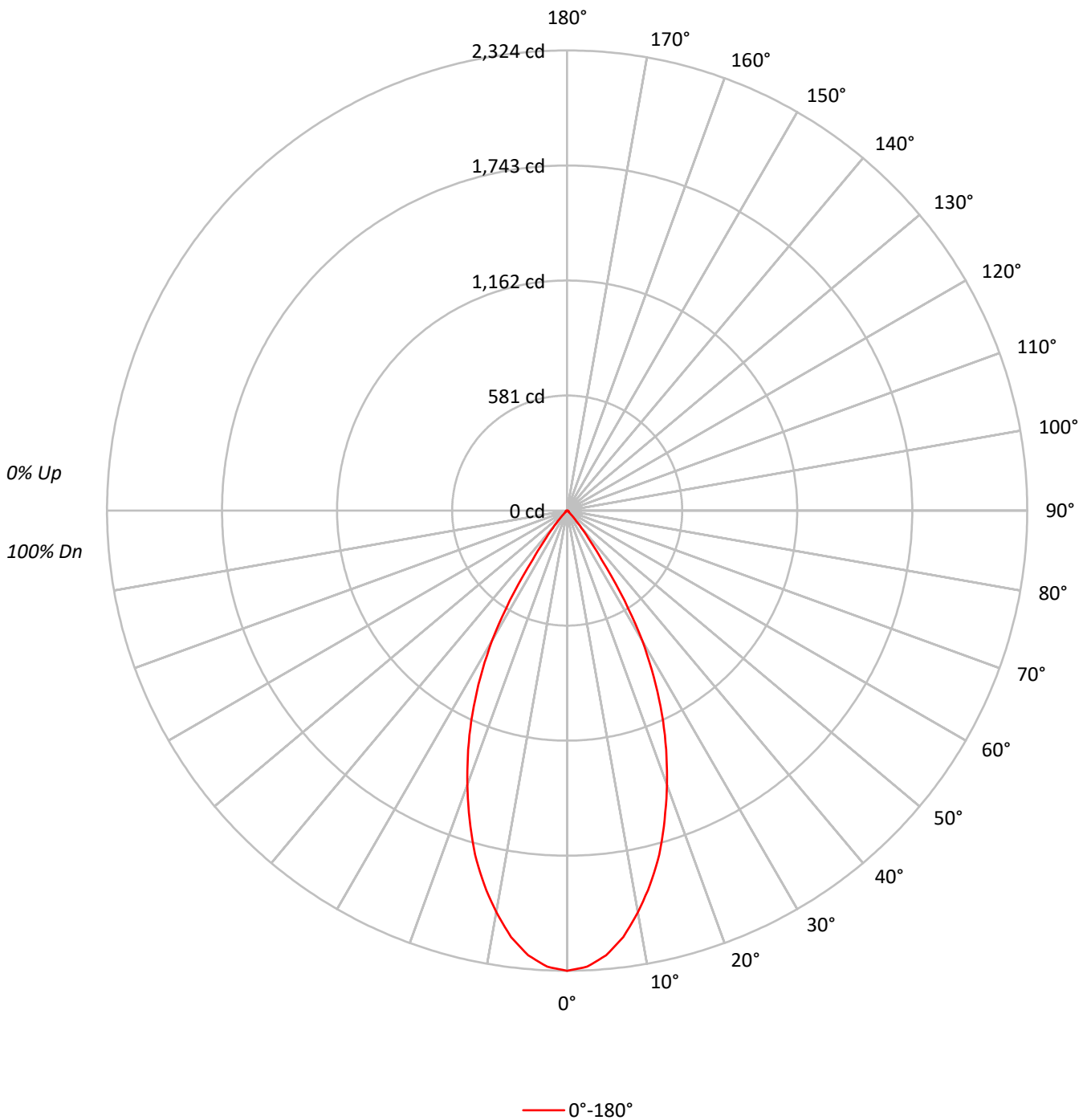
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	88
3	104	98	93	90	102	96	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	77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
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°	166439
5°	162036
10°	149775
15°	133341
20°	112299
25°	89488
30°	62679
35°	26555
40°	9263
45°	2542
50°	1292
55°	1211
60°	1203
65°	1084
70°	1068
75°	1411
80°	1856
85°	2629



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.0	14.1
10°-20°	497.3	33.4
20°-30°	511.5	34.4
30°-40°	218.5	14.7
40°-50°	27.3	1.8
50°-60°	8.7	0.6
60°-70°	6.4	0.4
70°-80°	5.2	0.3
80°-90°	3.1	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°	1217.9	81.9
0°-40°	1436.3	96.6
0°-60°	1472.3	99.0
0°-90°	1487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1487.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2324	
5°	2254	209
15°	1799	497
25°	1133	512
35°	304	218
45°	25	27
55°	10	9
65°	6	6
75°	5	5
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2324.5
2.5°	2305.9
5°	2254.4
7.5°	2172.0
10°	2060.0
12.5°	1935.2
15°	1798.8
17.5°	1636.6
20°	1473.8
22.5°	1306.4
25°	1132.7
27.5°	949.3
30°	758.1
32.5°	538.7
35°	303.8
37.5°	173.8
40°	99.1
42.5°	51.5
45°	25.1
47.5°	13.5
50°	11.6
52.5°	10.3
55°	9.7
57.5°	9.0
60°	8.4
62.5°	7.1
65°	6.4
67.5°	5.8
70°	5.1
72.5°	5.1
75°	5.1
77.5°	4.5
80°	4.5
82.5°	3.9
85°	3.2
87.5°	1.9
90°	0.0

(END OF REPORT)