

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: P366071

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
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-WMH-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1378.0 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

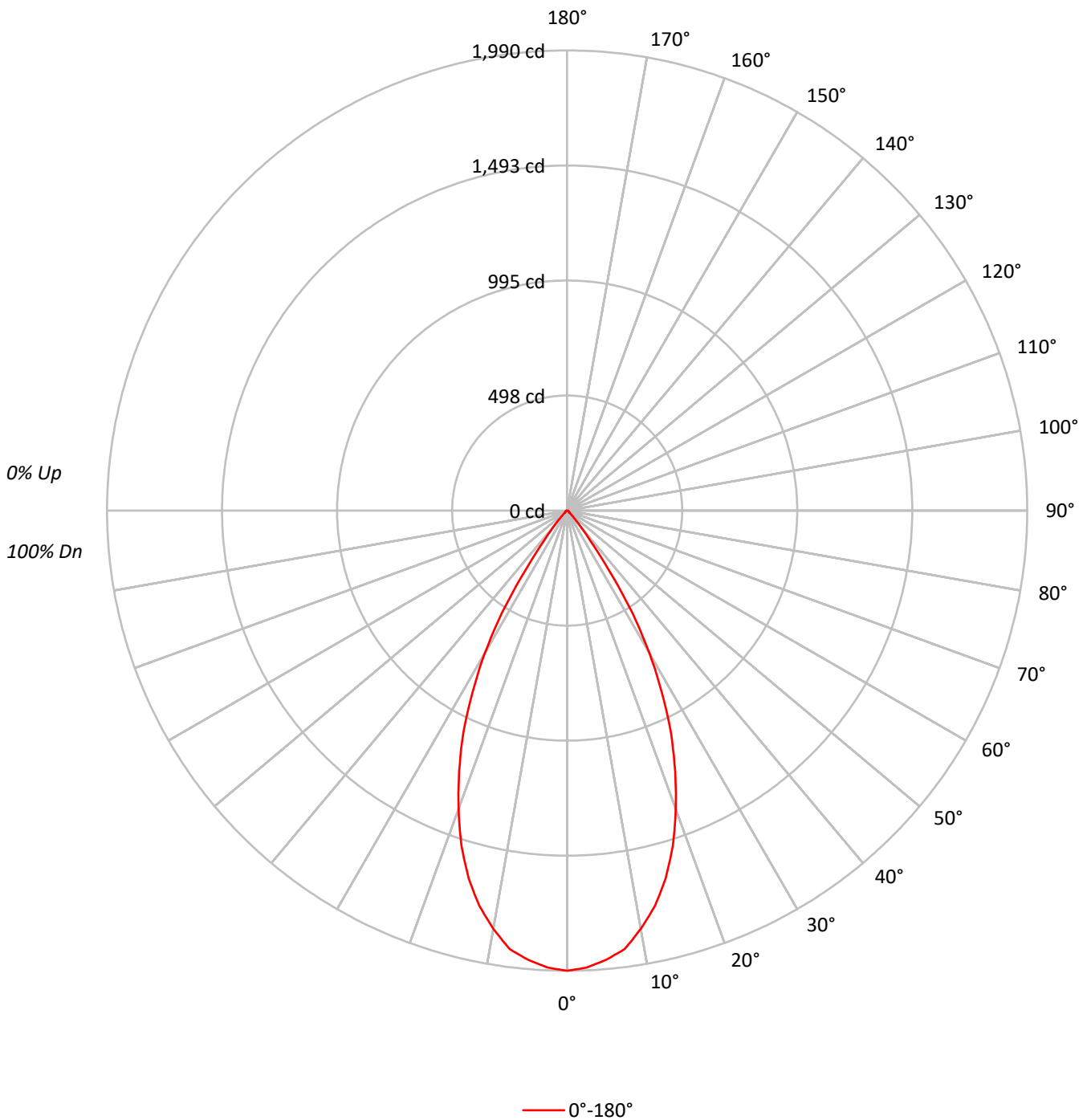
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

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

	0°
0°	142473
5°	140128
10°	133518
15°	122007
20°	104626
25°	83950
30°	58859
35°	27193
40°	8730
45°	2815
50°	1314
55°	1161
60°	1146
65°	1050
70°	1026
75°	1190
80°	1526
85°	2547



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.8	13.3
10°-20°	455.5	33.1
20°-30°	478.3	34.7
30°-40°	212.3	15.4
40°-50°	27.4	2.0
50°-60°	8.6	0.6
60°-70°	6.0	0.4
70°-80°	4.4	0.3
80°-90°	2.7	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°	1116.6	81.0
0°-40°	1328.9	96.4
0°-60°	1364.9	99.0
0°-90°	1378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1378.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1990	
5°	1950	183
15°	1646	455
25°	1063	478
35°	311	212
45°	28	27
55°	9	9
65°	6	6
75°	4	4
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1989.8
2.5°	1977.4
5°	1949.6
7.5°	1911.8
10°	1836.4
12.5°	1751.6
15°	1645.9
17.5°	1519.1
20°	1373.1
22.5°	1219.7
25°	1062.6
27.5°	886.3
30°	711.9
32.5°	523.3
35°	311.1
37.5°	165.8
40°	93.4
42.5°	51.3
45°	27.8
47.5°	14.2
50°	11.8
52.5°	10.5
55°	9.3
57.5°	8.7
60°	8.0
62.5°	6.8
65°	6.2
67.5°	4.9
70°	4.9
72.5°	4.3
75°	4.3
77.5°	3.7
80°	3.7
82.5°	3.1
85°	3.1
87.5°	1.9
90°	0.0

(END OF REPORT)