

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: P364698

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364698  
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-FEU6B12-8050-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: 1645.0 lumens  
Efficiency: N/A  
Efficacy: 81.0 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

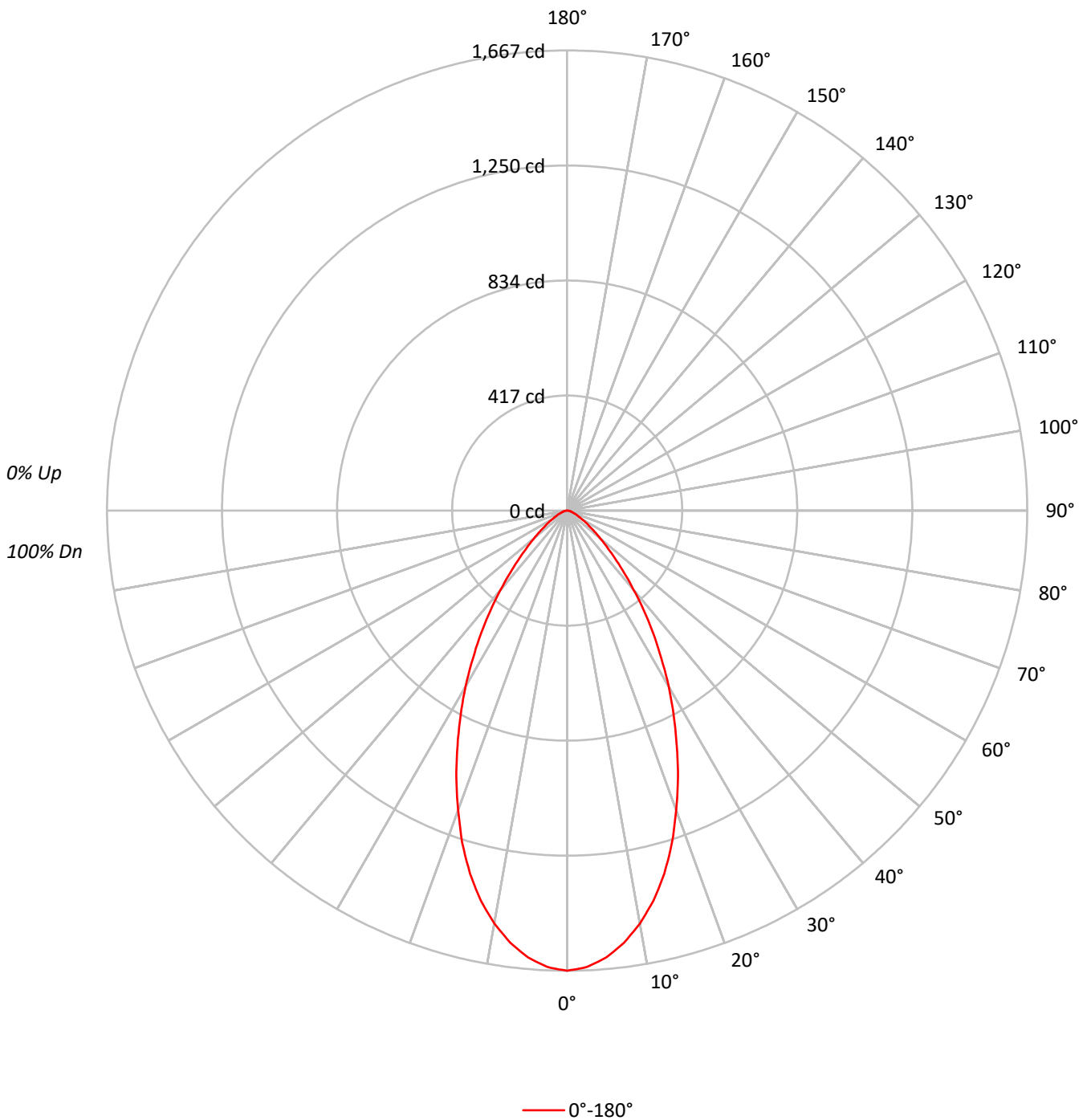
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	119360
5°	116805
10°	110412
15°	100828
20°	87947
25°	74240
30°	60835
35°	47560
40°	35051
45°	24667
50°	17411
55°	12321
60°	8750
65°	6506
70°	5045
75°	4122
80°	3794
85°	4108



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.7	9.2
10°-20°	377.8	23.0
20°-30°	430.4	26.2
30°-40°	339.7	20.7
40°-50°	193.1	11.7
50°-60°	91.1	5.5
60°-70°	39.4	2.4
70°-80°	16.4	1.0
80°-90°	5.3	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°	960.0	58.4
0°-40°	1299.7	79.0
0°-60°	1583.9	96.3
0°-90°	1645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1645.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1667	
5°	1625	152
15°	1360	378
25°	940	430
35°	544	340
45°	244	193
55°	99	91
65°	38	39
75°	15	16
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1667.0
2.5°	1654.9
5°	1625.1
7.5°	1578.9
10°	1518.6
12.5°	1446.1
15°	1360.2
17.5°	1262.9
20°	1154.2
22.5°	1049.1
25°	939.7
27.5°	835.3
30°	735.8
32.5°	635.0
35°	544.1
37.5°	456.7
40°	375.0
42.5°	305.4
45°	243.6
47.5°	194.6
50°	156.3
52.5°	124.3
55°	98.7
57.5°	78.1
60°	61.1
62.5°	48.3
65°	38.4
67.5°	30.5
70°	24.1
72.5°	19.2
75°	14.9
77.5°	11.4
80°	9.2
82.5°	7.1
85°	5.0
87.5°	2.8
90°	0.0

(END OF REPORT)