

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: P366117

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)  
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-WMH-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 774.1 lumens  
Efficiency: N/A  
Efficacy: 38.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

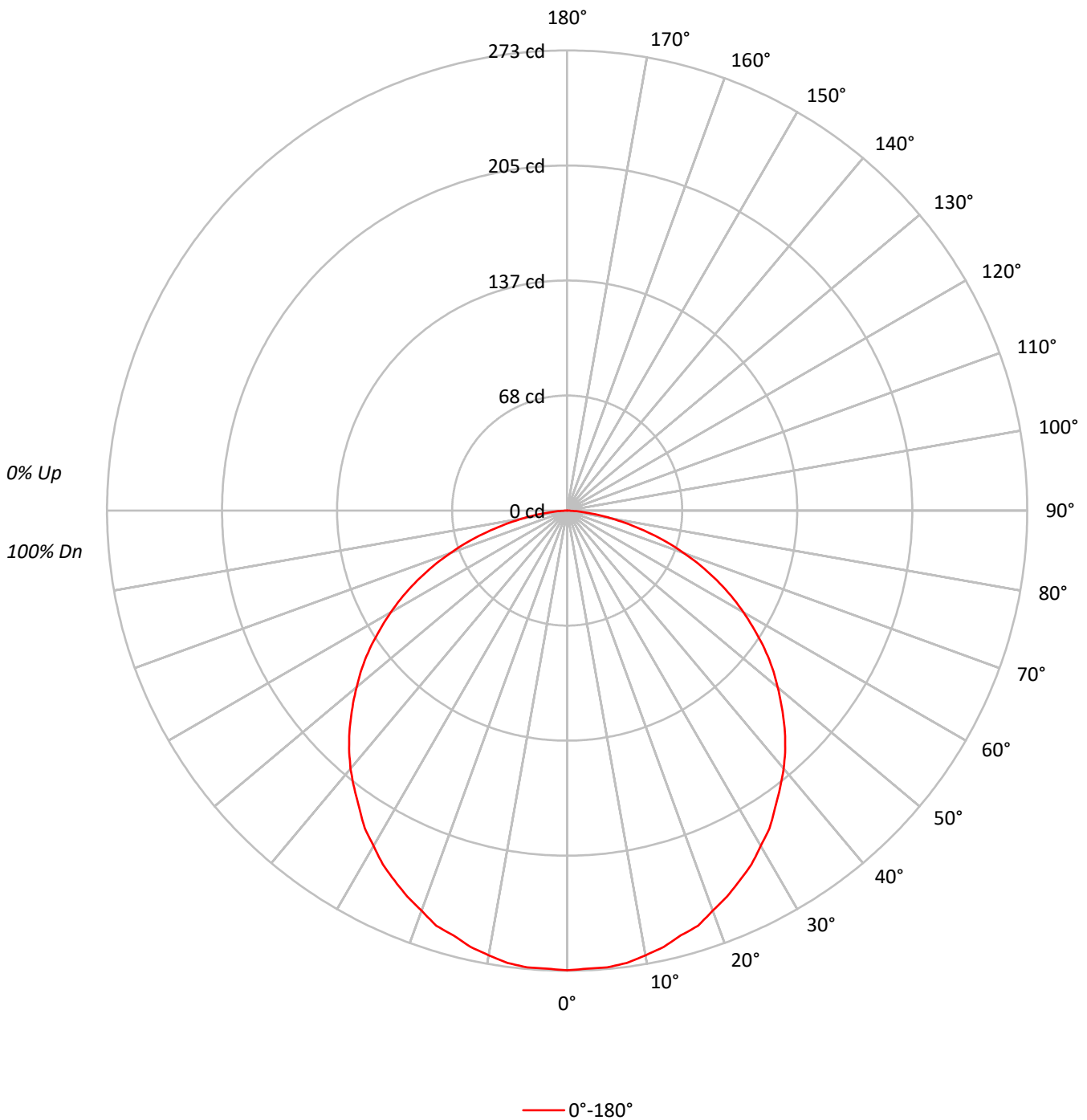
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°
0°	7449
5°	7458
10°	7431
15°	7378
20°	7343
25°	7300
30°	7245
35°	7173
40°	7128
45°	7050
50°	6931
55°	6810
60°	6599
65°	6328
70°	5878
75°	5203
80°	4153
85°	2382



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.8	3.3
10°-20°	73.8	9.5
20°-30°	111.7	14.4
30°-40°	134.8	17.4
40°-50°	140.6	18.2
50°-60°	127.5	16.5
60°-70°	96.7	12.5
70°-80°	52.3	6.8
80°-90°	10.8	1.4
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°	211.3	27.3
0°-40°	346.2	44.7
0°-60°	614.3	79.4
0°-90°	774.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	273	
5°	272	26
15°	261	74
25°	242	112
35°	215	135
45°	182	141
55°	143	128
65°	98	97
75°	49	52
85°	8	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	272.7
2.5°	272.0
5°	272.0
7.5°	270.7
10°	267.9
12.5°	265.1
15°	260.9
17.5°	258.2
20°	252.6
22.5°	247.8
25°	242.2
27.5°	236.7
30°	229.7
32.5°	223.5
35°	215.1
37.5°	207.5
40°	199.9
42.5°	191.5
45°	182.5
47.5°	172.8
50°	163.1
52.5°	153.4
55°	143.0
57.5°	131.9
60°	120.8
62.5°	109.7
65°	97.9
67.5°	86.1
70°	73.6
72.5°	61.8
75°	49.3
77.5°	37.5
80°	26.4
82.5°	16.7
85°	7.6
87.5°	2.1
90°	0.0

(END OF REPORT)