

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: P366139

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
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-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1523.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

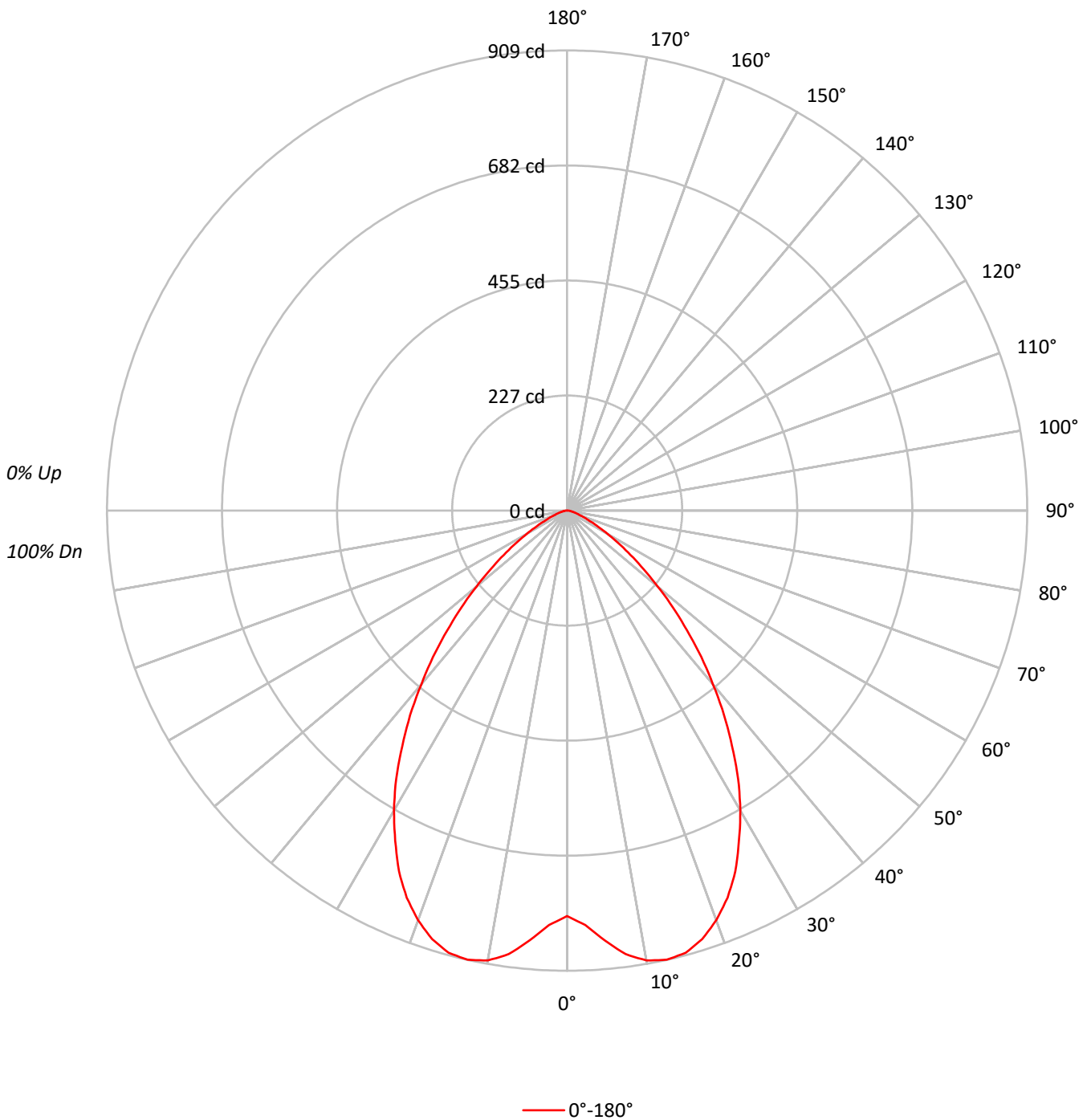
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57332
5°	61274
10°	65603
15°	67041
20°	65613
25°	62137
30°	56569
35°	49622
40°	41902
45°	33882
50°	26110
55°	19062
60°	13117
65°	8675
70°	5652
75°	4122
80°	3505
85°	4108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	5.4
10°-20°	253.3	16.6
20°-30°	358.8	23.6
30°-40°	353.9	23.2
40°-50°	259.4	17.0
50°-60°	139.1	9.1
60°-70°	53.5	3.5
70°-80°	17.0	1.1
80°-90°	5.0	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°	695.1	45.6
0°-40°	1049.0	68.9
0°-60°	1447.5	95.0
0°-90°	1523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	801	
5°	852	83
15°	904	253
25°	786	359
35°	568	354
45°	335	259
55°	153	139
65°	51	53
75°	15	17
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	800.7
2.5°	819.2
5°	852.5
7.5°	883.8
10°	902.3
12.5°	908.7
15°	904.4
17.5°	887.4
20°	861.1
22.5°	827.7
25°	786.5
27.5°	735.3
30°	684.2
32.5°	628.8
35°	567.7
37.5°	509.4
40°	448.3
42.5°	392.2
45°	334.6
47.5°	283.5
50°	234.4
52.5°	190.4
55°	152.7
57.5°	119.4
60°	91.6
62.5°	68.9
65°	51.2
67.5°	37.7
70°	27.0
72.5°	20.6
75°	14.9
77.5°	11.4
80°	8.5
82.5°	6.4
85°	5.0
87.5°	2.8
90°	0.0

(END OF REPORT)