

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: P365887

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365887
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: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 737.0 lumens
Efficiency: N/A
Efficacy: 73.7 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

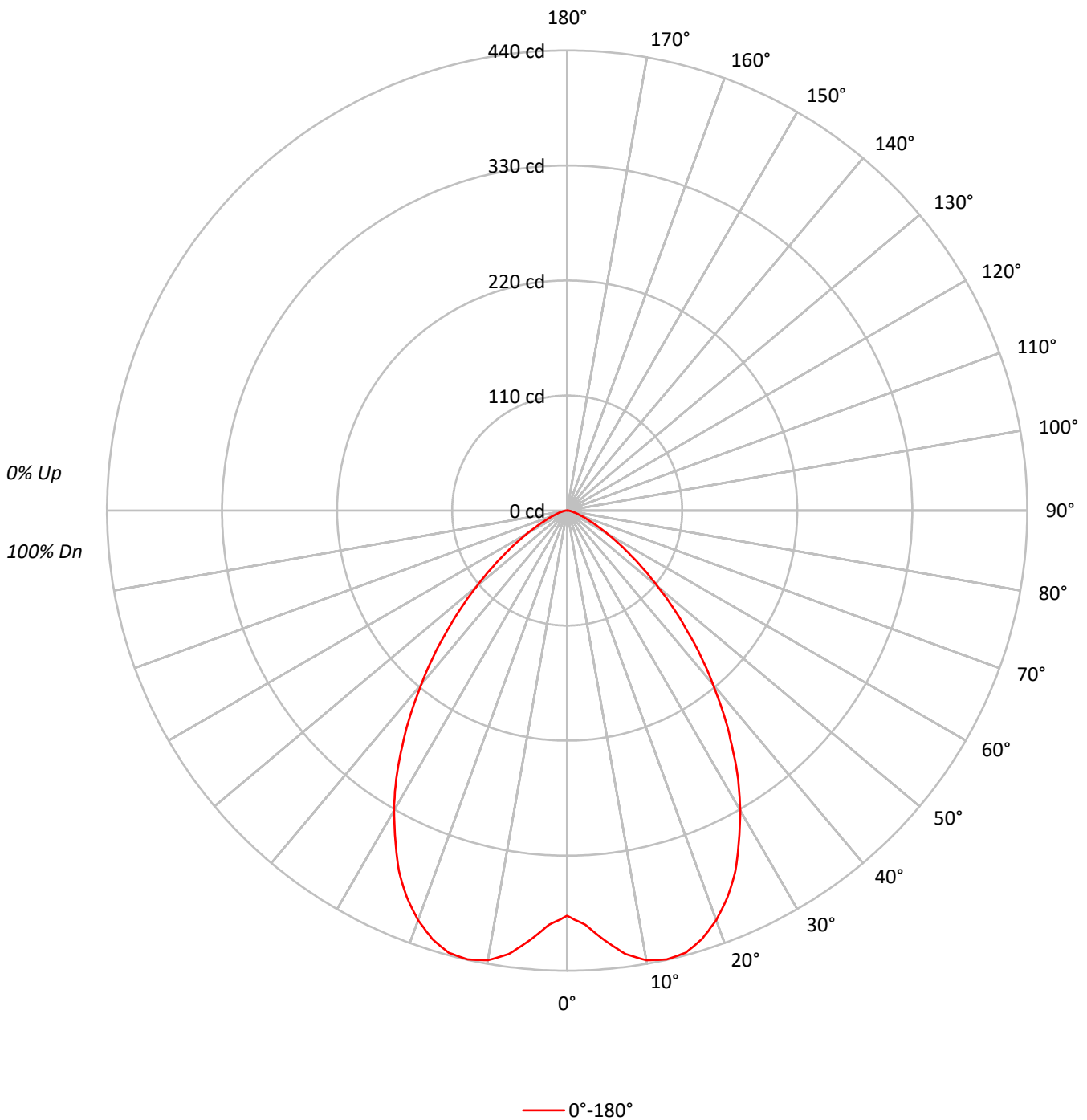
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27746
5°	29656
10°	31744
15°	32446
20°	31751
25°	30069
30°	27375
35°	24011
40°	20274
45°	16394
50°	12643
55°	9225
60°	6344
65°	4202
70°	2742
75°	1992
80°	1691
85°	1972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	5.4
10°-20°	122.6	16.6
20°-30°	173.6	23.6
30°-40°	171.3	23.2
40°-50°	125.5	17.0
50°-60°	67.3	9.1
60°-70°	25.9	3.5
70°-80°	8.2	1.1
80°-90°	2.4	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°	336.4	45.6
0°-40°	507.6	68.9
0°-60°	700.5	95.0
0°-90°	737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	737.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	388	
5°	413	40
15°	438	123
25°	381	174
35°	275	171
45°	162	126
55°	74	67
65°	25	26
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	387.5
2.5°	396.4
5°	412.6
7.5°	427.7
10°	436.6
12.5°	439.7
15°	437.7
17.5°	429.4
20°	416.7
22.5°	400.5
25°	380.6
27.5°	355.8
30°	331.1
32.5°	304.3
35°	274.7
37.5°	246.5
40°	216.9
42.5°	189.8
45°	161.9
47.5°	137.2
50°	113.5
52.5°	92.1
55°	73.9
57.5°	57.8
60°	44.3
62.5°	33.3
65°	24.8
67.5°	18.2
70°	13.1
72.5°	10.0
75°	7.2
77.5°	5.5
80°	4.1
82.5°	3.1
85°	2.4
87.5°	1.4
90°	0.0

(END OF REPORT)