

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: P365912

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 835.0 lumens
Efficiency: N/A
Efficacy: 83.5 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

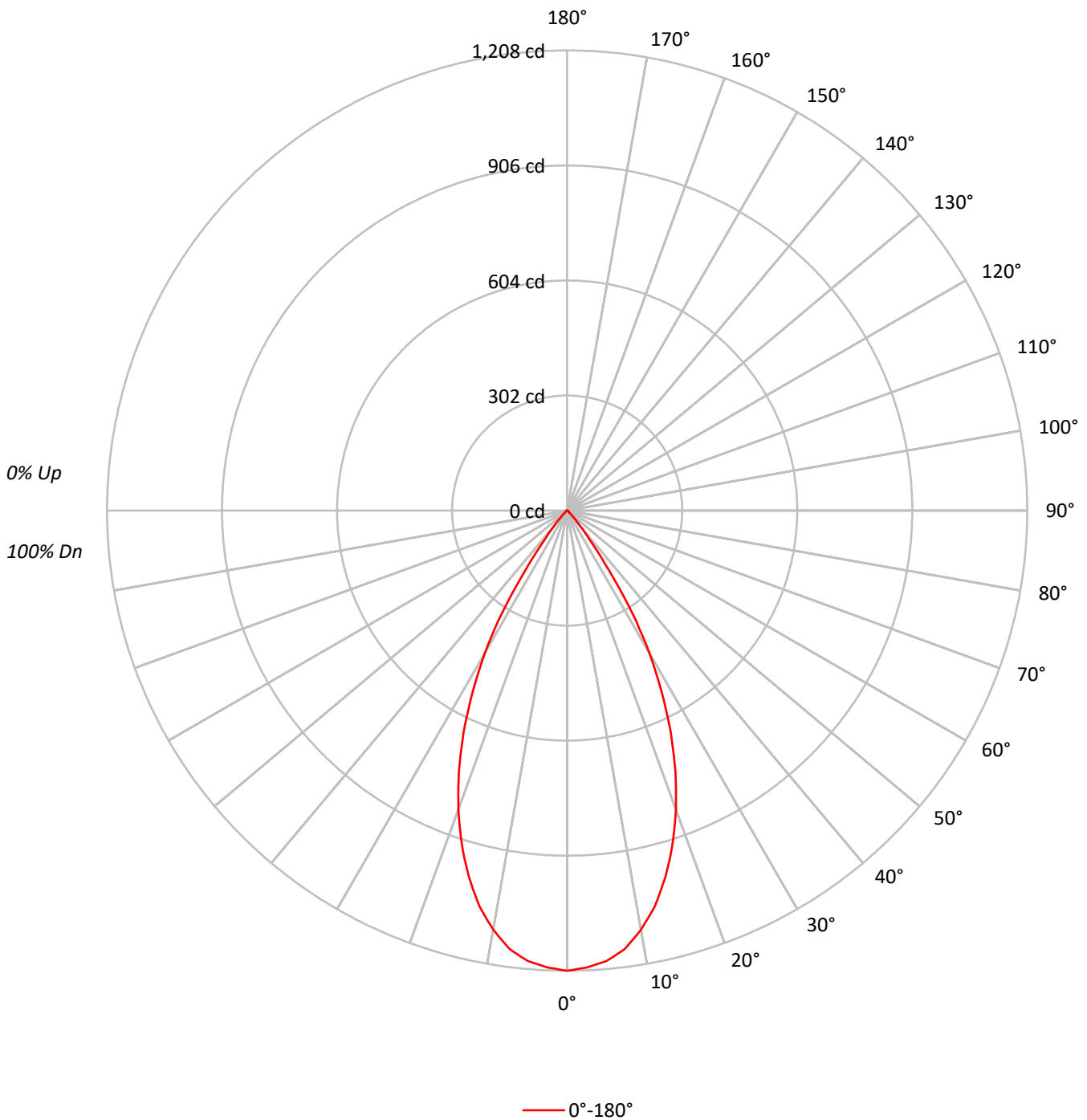
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88		88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83		83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78		78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69		69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66		66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62		62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59		59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86495
5°	85323
10°	81220
15°	73831
20°	63579
25°	50823
30°	35635
35°	16582
40°	5234
45°	1640
50°	724
55°	674
60°	616
65°	542
70°	607
75°	692
80°	907
85°	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	13.3
10°-20°	276.2	33.1
20°-30°	290.3	34.8
30°-40°	128.8	15.4
40°-50°	16.1	1.9
50°-60°	4.8	0.6
60°-70°	3.4	0.4
70°-80°	2.7	0.3
80°-90°	1.6	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°	677.6	81.2
0°-40°	806.5	96.6
0°-60°	827.4	99.1
0°-90°	835.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1208	
5°	1187	111
15°	996	276
25°	643	290
35°	190	129
45°	16	16
55°	5	5
65°	3	3
75°	2	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1208.0
2.5°	1200.1
5°	1187.1
7.5°	1160.5
10°	1117.1
12.5°	1063.9
15°	996.0
17.5°	919.5
20°	834.4
22.5°	742.1
25°	643.3
27.5°	538.4
30°	431.0
32.5°	317.2
35°	189.7
37.5°	100.9
40°	56.0
42.5°	30.5
45°	16.2
47.5°	7.9
50°	6.5
52.5°	5.7
55°	5.4
57.5°	5.0
60°	4.3
62.5°	4.0
65°	3.2
67.5°	2.9
70°	2.9
72.5°	2.5
75°	2.5
77.5°	2.5
80°	2.2
82.5°	1.8
85°	1.8
87.5°	1.1
90°	0.0

(END OF REPORT)