

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: P365891

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 736.0 lumens
Efficiency: N/A
Efficacy: 73.6 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

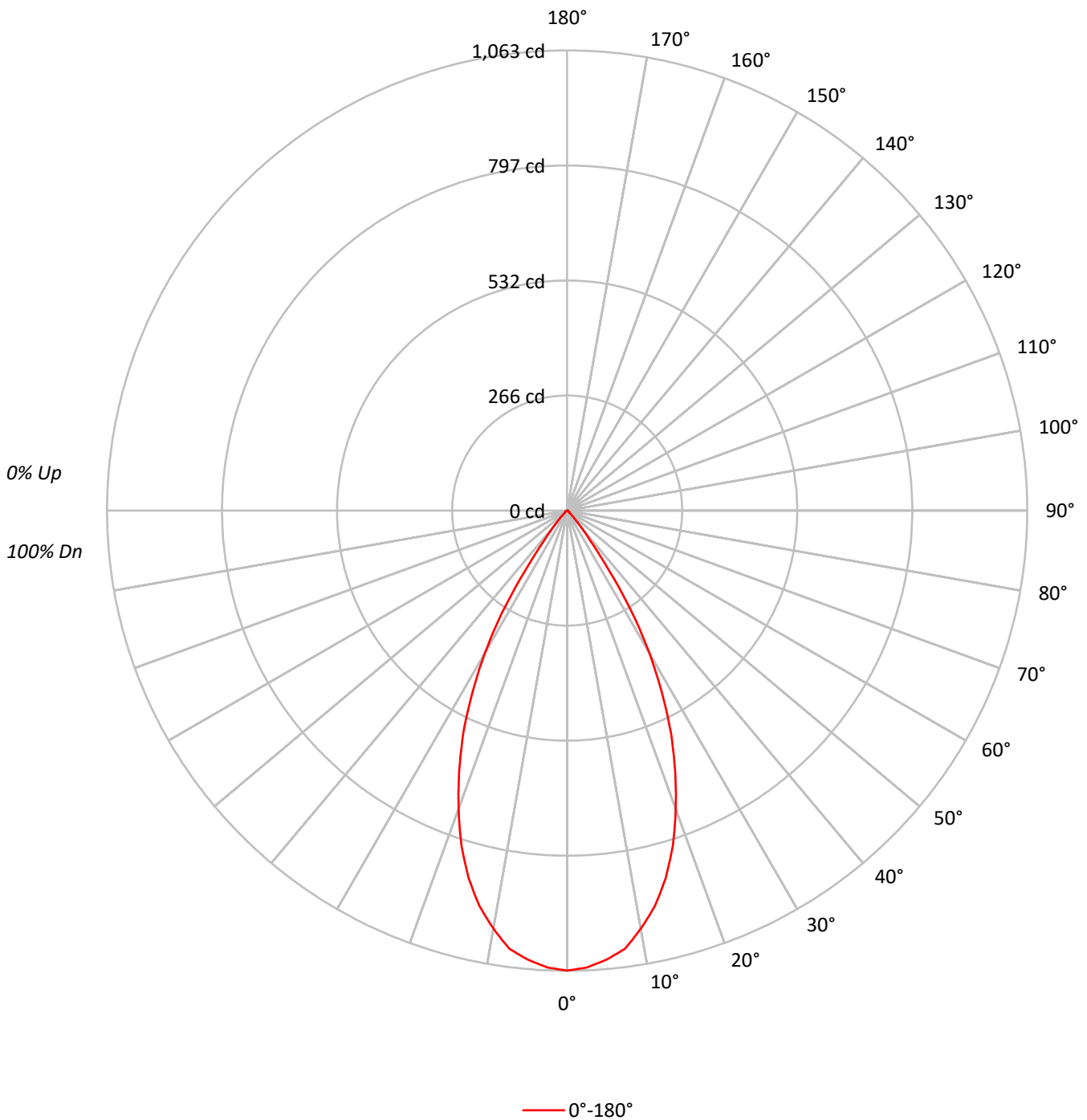
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76091
5°	74844
10°	71310
15°	65166
20°	55883
25°	44835
30°	31434
35°	14527
40°	4664
45°	1509
50°	702
55°	624
60°	616
65°	559
70°	544
75°	636
80°	825
85°	1397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	13.3
10°-20°	243.3	33.1
20°-30°	255.5	34.7
30°-40°	113.4	15.4
40°-50°	14.7	2.0
50°-60°	4.6	0.6
60°-70°	3.2	0.4
70°-80°	2.4	0.3
80°-90°	1.5	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°	596.4	81.0
0°-40°	709.8	96.4
0°-60°	729.0	99.0
0°-90°	736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1063	
5°	1041	98
15°	879	243
25°	568	255
35°	166	113
45°	15	15
55°	5	5
65°	3	3
75°	2	2
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1062.7
2.5°	1056.1
5°	1041.3
7.5°	1021.1
10°	980.8
12.5°	935.6
15°	879.1
17.5°	811.3
20°	733.4
22.5°	651.5
25°	567.5
27.5°	473.4
30°	380.2
32.5°	279.5
35°	166.2
37.5°	88.5
40°	49.9
42.5°	27.4
45°	14.9
47.5°	7.6
50°	6.3
52.5°	5.6
55°	5.0
57.5°	4.6
60°	4.3
62.5°	3.6
65°	3.3
67.5°	2.6
70°	2.6
72.5°	2.3
75°	2.3
77.5°	2.0
80°	2.0
82.5°	1.7
85°	1.7
87.5°	1.0
90°	0.0

(END OF REPORT)