

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: P365922

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

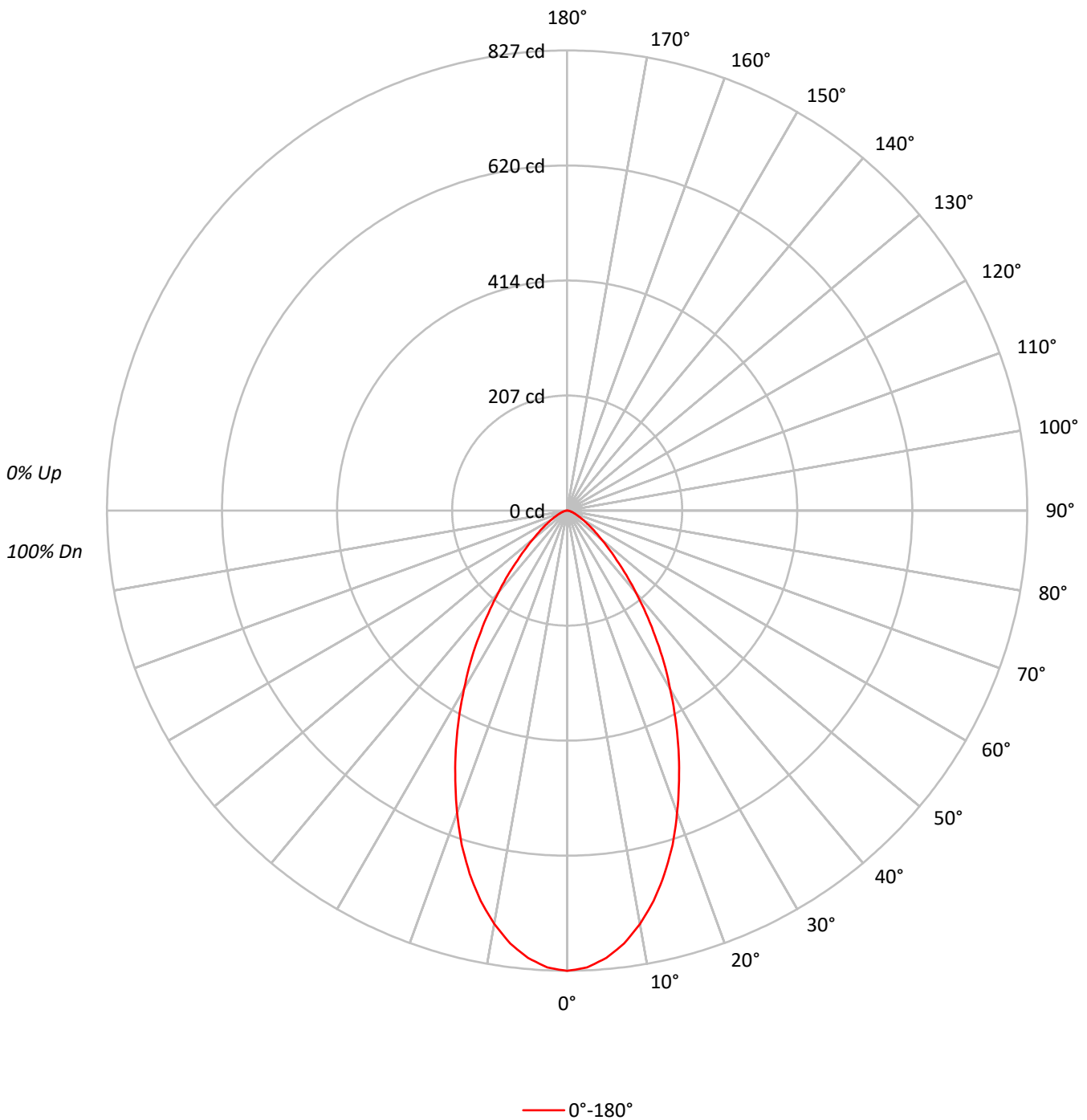
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	76	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59229
5°	58003
10°	54835
15°	50118
20°	44027
25°	37424
30°	30616
35°	24099
40°	17956
45°	12739
50°	8989
55°	6454
60°	4625
65°	3355
70°	2617
75°	2130
80°	1814
85°	1807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	9.1
10°-20°	188.1	22.6
20°-30°	216.4	26.0
30°-40°	172.7	20.8
40°-50°	99.6	12.0
50°-60°	47.5	5.7
60°-70°	20.5	2.5
70°-80°	8.4	1.0
80°-90°	2.5	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°	479.9	57.7
0°-40°	652.6	78.5
0°-60°	799.6	96.2
0°-90°	831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	827	
5°	807	75
15°	676	188
25°	474	216
35°	276	173
45°	126	100
55°	52	47
65°	20	21
75°	8	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	827.2
2.5°	822.0
5°	807.0
7.5°	784.6
10°	754.2
12.5°	718.6
15°	676.1
17.5°	629.9
20°	577.8
22.5°	525.4
25°	473.7
27.5°	421.3
30°	370.3
32.5°	323.7
35°	275.7
37.5°	232.8
40°	192.1
42.5°	157.3
45°	125.8
47.5°	100.8
50°	80.7
52.5°	64.5
55°	51.7
57.5°	40.7
60°	32.3
62.5°	25.3
65°	19.8
67.5°	15.8
70°	12.5
72.5°	9.9
75°	7.7
77.5°	5.9
80°	4.4
82.5°	3.3
85°	2.2
87.5°	1.5
90°	0.0

(END OF REPORT)