

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: P364520

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 829.0 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

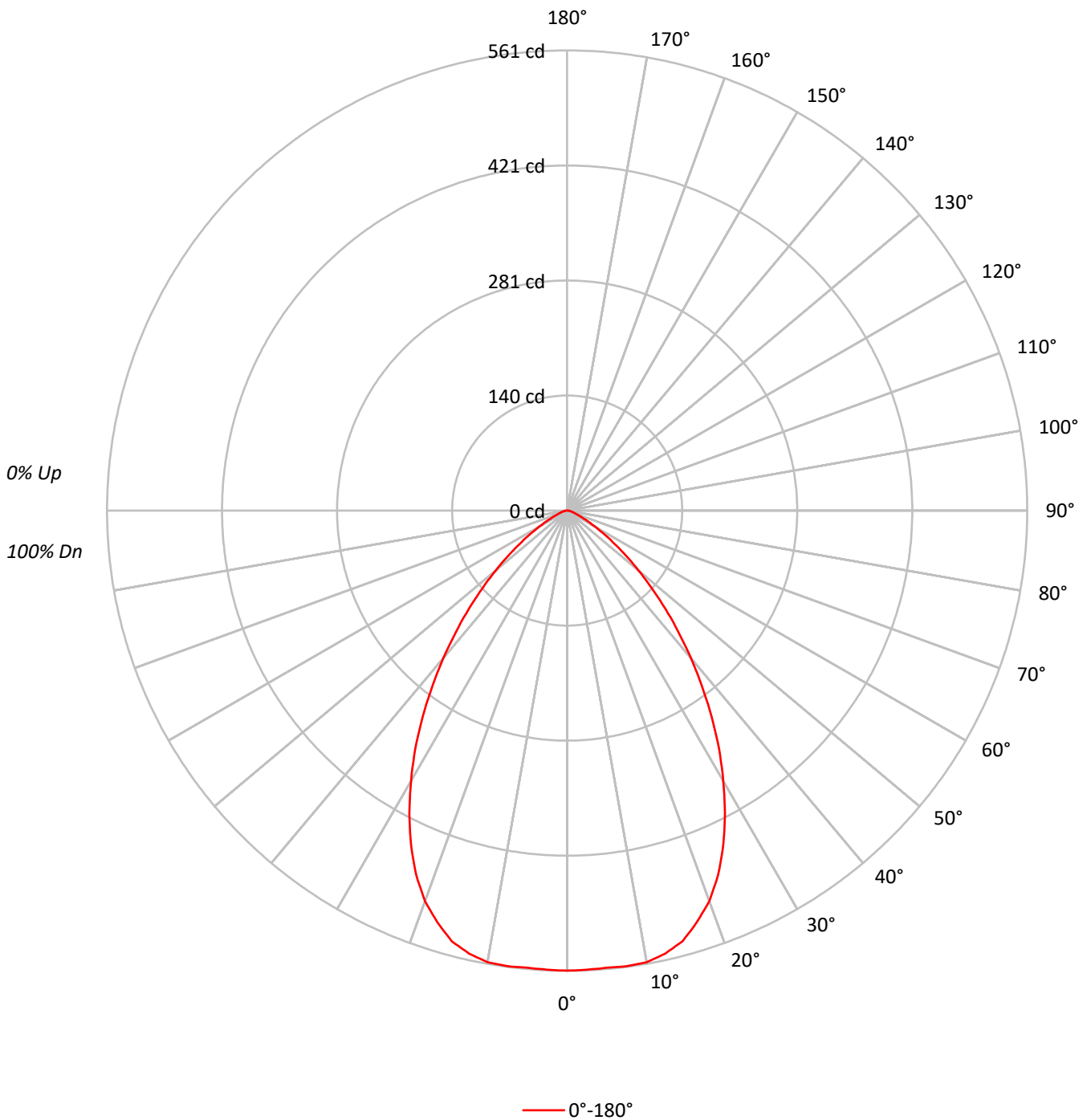
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40161
5°	40207
10°	40643
15°	40288
20°	38609
25°	35560
30°	31476
35°	26835
40°	21919
45°	17143
50°	12643
55°	8763
60°	5599
65°	3405
70°	2303
75°	1798
80°	1567
85°	2218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	6.4
10°-20°	152.0	18.3
20°-30°	205.6	24.8
30°-40°	191.2	23.1
40°-50°	131.0	15.8
50°-60°	64.6	7.8
60°-70°	21.6	2.6
70°-80°	7.1	0.9
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°	411.0	49.6
0°-40°	602.2	72.6
0°-60°	797.8	96.2
0°-90°	829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	561	
5°	559	53
15°	544	152
25°	450	206
35°	307	191
45°	169	131
55°	70	65
65°	20	22
75°	6	7
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	560.9
2.5°	560.2
5°	559.4
7.5°	560.2
10°	559.0
12.5°	553.0
15°	543.5
17.5°	526.0
20°	506.7
22.5°	480.9
25°	450.1
27.5°	416.7
30°	380.7
32.5°	344.6
35°	307.0
37.5°	269.8
40°	234.5
42.5°	200.4
45°	169.3
47.5°	139.7
50°	113.5
52.5°	90.7
55°	70.2
57.5°	53.5
60°	39.1
62.5°	28.1
65°	20.1
67.5°	14.4
70°	11.0
72.5°	8.3
75°	6.5
77.5°	4.9
80°	3.8
82.5°	3.0
85°	2.7
87.5°	1.5
90°	0.0

(END OF REPORT)