

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: P364502

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364502
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-FEU6B12-8040-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: 809.0 lumens
Efficiency: N/A
Efficacy: 80.9 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

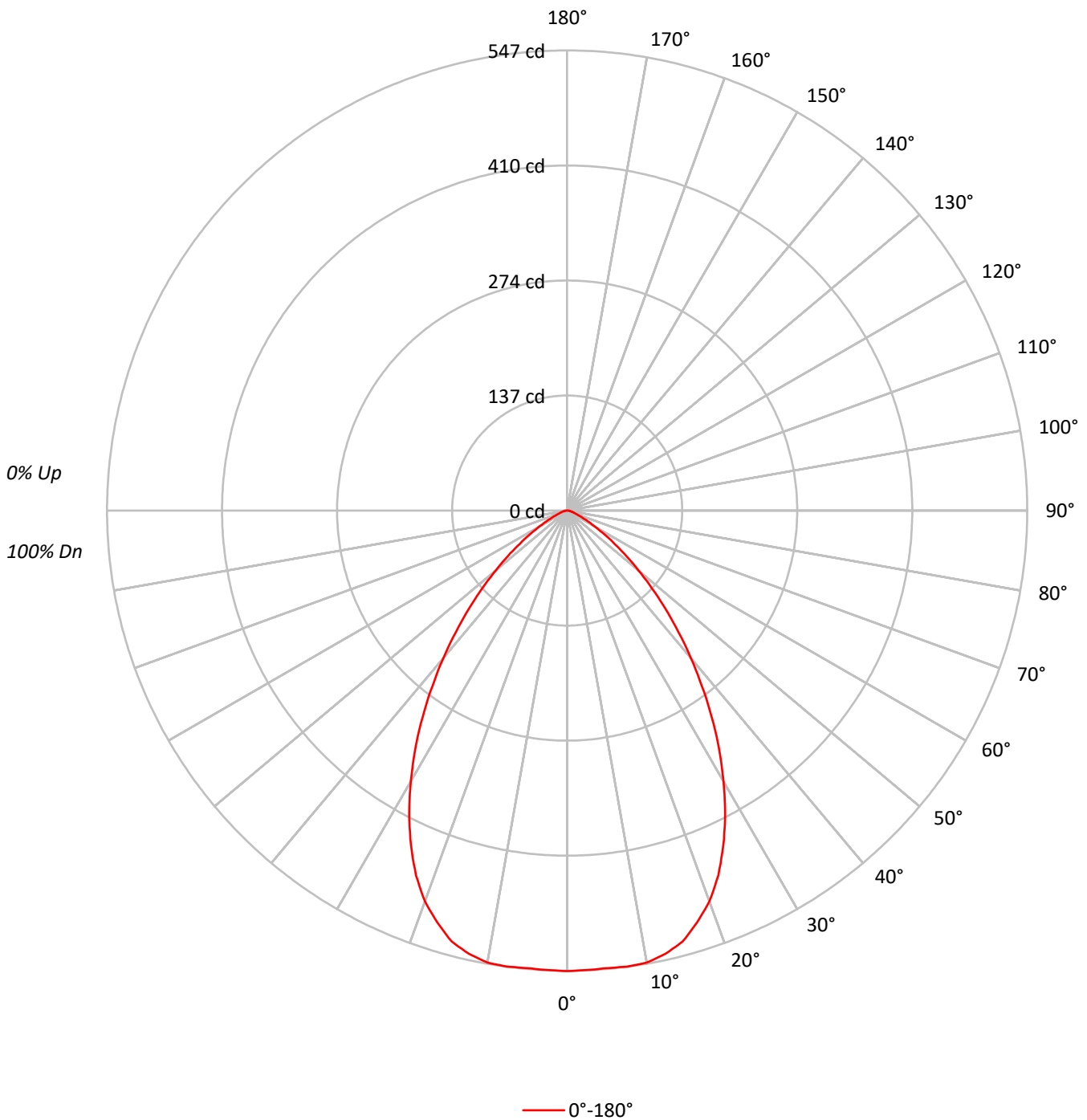
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39195
5°	39237
10°	39669
15°	39317
20°	37672
25°	34706
30°	30715
35°	26188
40°	21395
45°	16728
50°	12331
55°	8551
60°	5456
65°	3321
70°	2240
75°	1743
80°	1526
85°	2136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	6.4
10°-20°	148.3	18.3
20°-30°	200.6	24.8
30°-40°	186.6	23.1
40°-50°	127.9	15.8
50°-60°	63.0	7.8
60°-70°	21.0	2.6
70°-80°	7.0	0.9
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°	401.1	49.6
0°-40°	587.7	72.6
0°-60°	778.5	96.2
0°-90°	809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	809.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	547	
5°	546	52
15°	530	148
25°	439	201
35°	300	187
45°	165	128
55°	68	63
65°	20	21
75°	6	7
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	547.4
2.5°	546.7
5°	545.9
7.5°	546.7
10°	545.6
12.5°	539.6
15°	530.4
17.5°	513.3
20°	494.4
22.5°	469.3
25°	439.3
27.5°	406.7
30°	371.5
32.5°	336.3
35°	299.6
37.5°	263.3
40°	228.9
42.5°	195.6
45°	165.2
47.5°	136.3
50°	110.7
52.5°	88.5
55°	68.5
57.5°	52.2
60°	38.1
62.5°	27.4
65°	19.6
67.5°	14.1
70°	10.7
72.5°	8.1
75°	6.3
77.5°	4.8
80°	3.7
82.5°	3.0
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)