

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: P364527

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.0 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

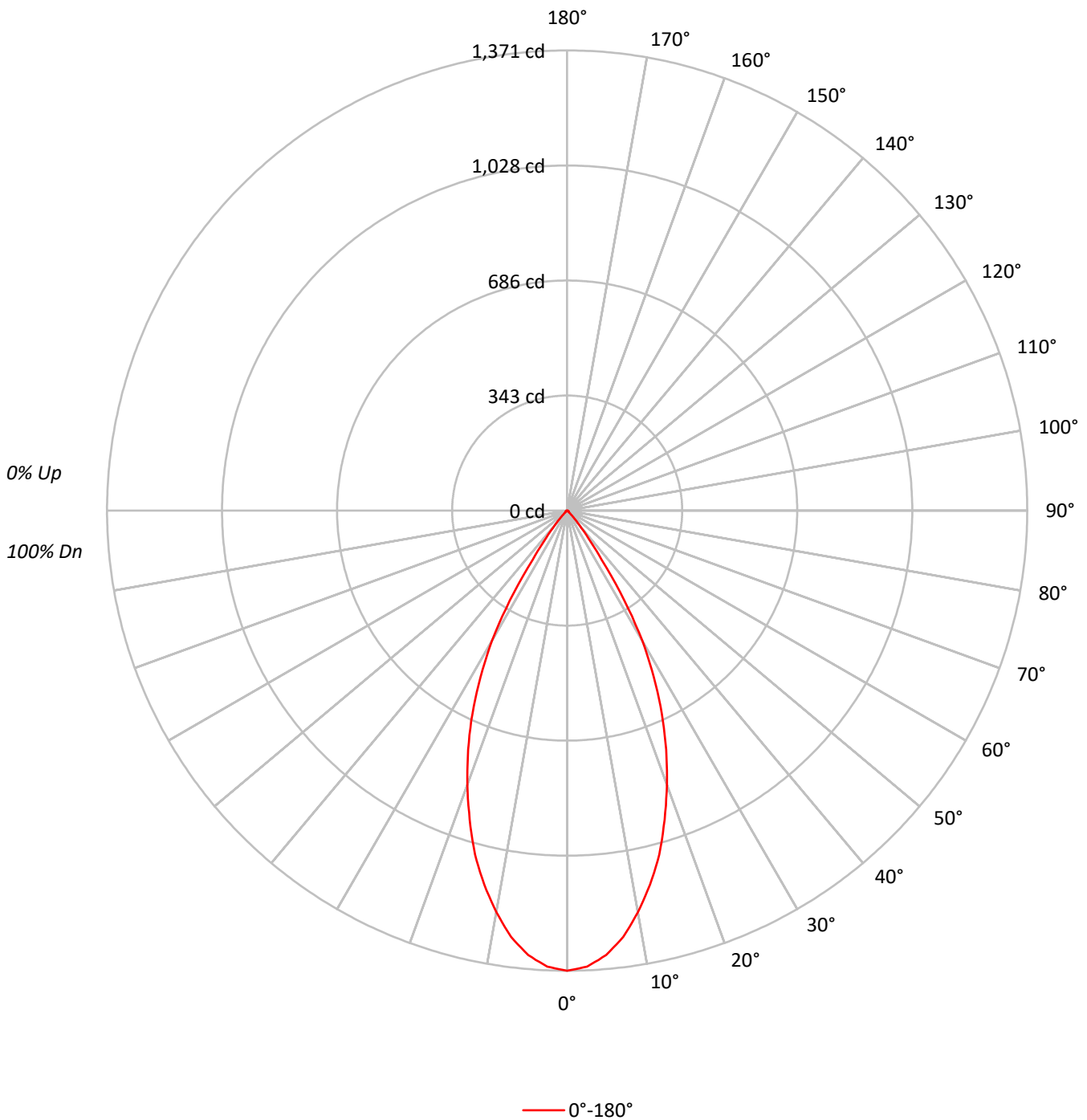
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88		
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83		
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78		
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74		
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70		
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66		
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63		
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59		
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98166
5°	95565
10°	88338
15°	78642
20°	66231
25°	52775
30°	36966
35°	15664
40°	5468
45°	1499
50°	757
55°	712
60°	702
65°	644
70°	628
75°	830
80°	1113
85°	1561



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	14.1
10°-20°	293.3	33.4
20°-30°	301.7	34.4
30°-40°	128.9	14.7
40°-50°	16.1	1.8
50°-60°	5.1	0.6
60°-70°	3.8	0.4
70°-80°	3.1	0.3
80°-90°	1.8	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°	718.2	81.9
0°-40°	847.1	96.6
0°-60°	868.3	99.0
0°-90°	877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1371	
5°	1330	123
15°	1061	293
25°	668	302
35°	179	129
45°	15	16
55°	6	5
65°	4	4
75°	3	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1371.0
2.5°	1360.0
5°	1329.6
7.5°	1281.0
10°	1215.0
12.5°	1141.3
15°	1060.9
17.5°	965.2
20°	869.2
22.5°	770.5
25°	668.0
27.5°	559.8
30°	447.1
32.5°	317.7
35°	179.2
37.5°	102.5
40°	58.5
42.5°	30.4
45°	14.8
47.5°	8.0
50°	6.8
52.5°	6.1
55°	5.7
57.5°	5.3
60°	4.9
62.5°	4.2
65°	3.8
67.5°	3.4
70°	3.0
72.5°	3.0
75°	3.0
77.5°	2.7
80°	2.7
82.5°	2.3
85°	1.9
87.5°	1.1
90°	0.0

(END OF REPORT)