

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: P364487

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
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-LI-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 797.0 lumens
Efficiency: N/A
Efficacy: 79.7 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

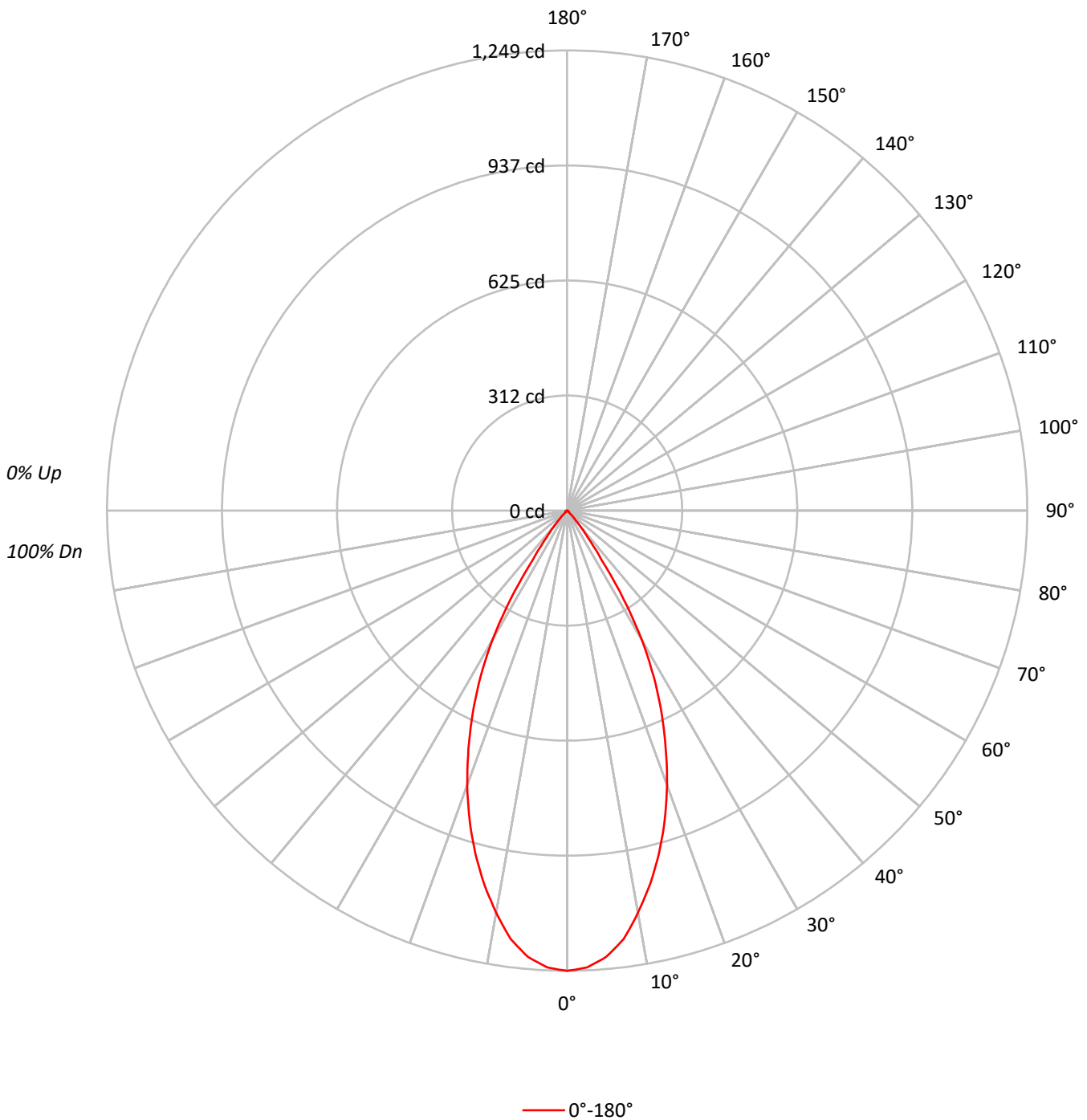
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	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	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
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°	89452
5°	87415
10°	80588
15°	71378
20°	60432
25°	47876
30°	33642
35°	14012
40°	4804
45°	1286
50°	702
55°	662
60°	601
65°	593
70°	586
75°	692
80°	866
85°	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	14.1
10°-20°	267.1	33.5
20°-30°	274.2	34.4
30°-40°	116.1	14.6
40°-50°	14.3	1.8
50°-60°	4.7	0.6
60°-70°	3.5	0.4
70°-80°	2.7	0.3
80°-90°	1.6	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°	654.1	82.1
0°-40°	770.2	96.6
0°-60°	789.2	99.0
0°-90°	797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1249	
5°	1216	113
15°	963	267
25°	606	274
35°	160	116
45°	13	14
55°	5	5
65°	4	3
75°	2	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1249.3
2.5°	1241.2
5°	1216.2
7.5°	1173.2
10°	1108.4
12.5°	1039.3
15°	962.9
17.5°	880.8
20°	793.1
22.5°	699.7
25°	606.0
27.5°	509.1
30°	406.9
32.5°	286.8
35°	160.3
37.5°	92.0
40°	51.4
42.5°	27.1
45°	12.7
47.5°	7.4
50°	6.3
52.5°	5.6
55°	5.3
57.5°	4.9
60°	4.2
62.5°	3.9
65°	3.5
67.5°	3.2
70°	2.8
72.5°	2.8
75°	2.5
77.5°	2.5
80°	2.1
82.5°	2.1
85°	1.8
87.5°	1.1
90°	0.0

(END OF REPORT)