

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: P364506

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364506
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-FEU6B12-8040-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 820.0 lumens
Efficiency: N/A
Efficacy: 82.0 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

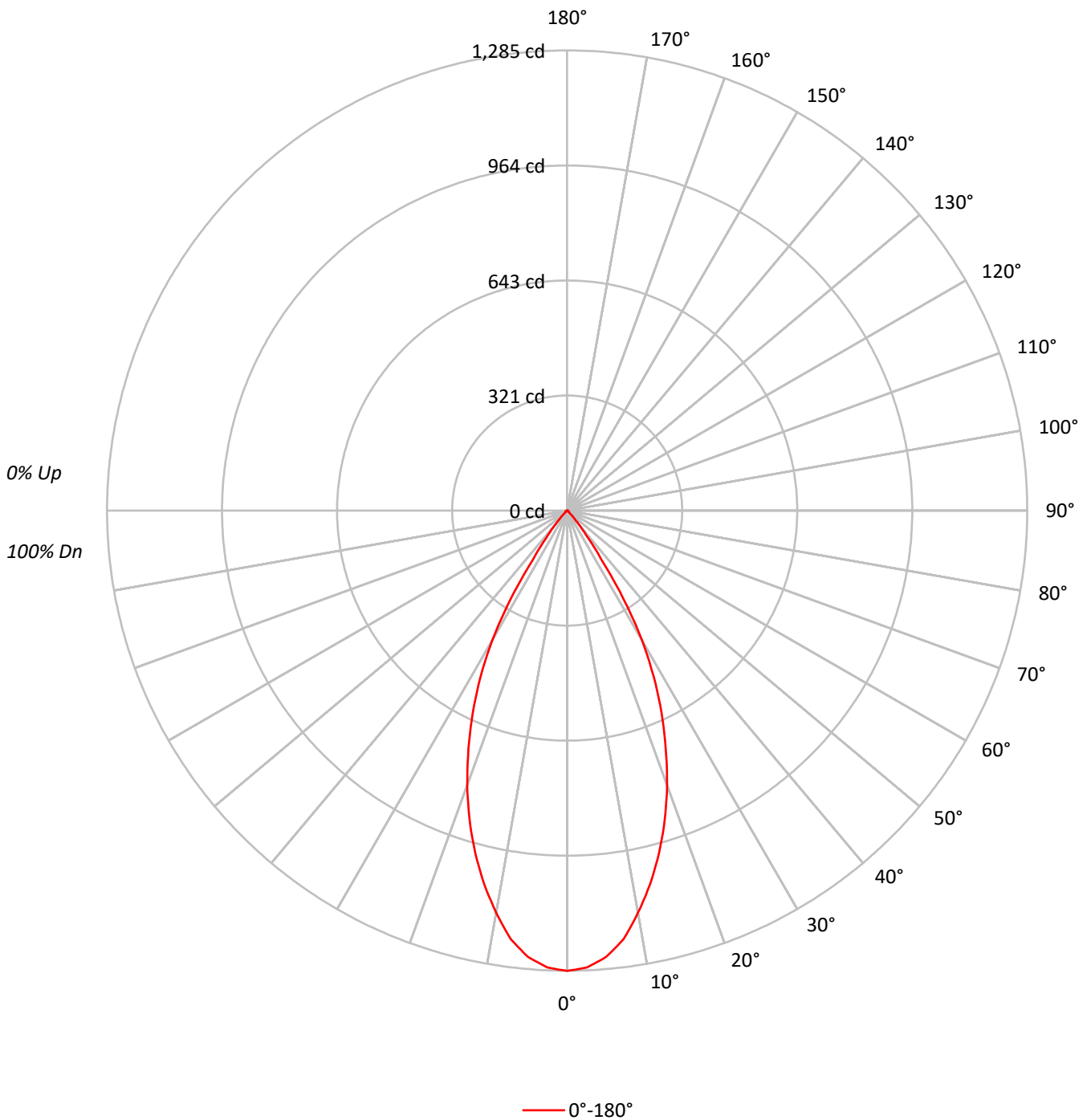
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	92037
5°	89938
10°	82914
15°	73438
20°	62177
25°	49259
30°	34618
35°	14414
40°	4945
45°	1316
50°	724
55°	674
60°	616
65°	610
70°	607
75°	692
80°	907
85°	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	14.1
10°-20°	274.8	33.5
20°-30°	282.2	34.4
30°-40°	119.5	14.6
40°-50°	14.7	1.8
50°-60°	4.9	0.6
60°-70°	3.6	0.4
70°-80°	2.8	0.3
80°-90°	1.7	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°	672.9	82.1
0°-40°	792.4	96.6
0°-60°	811.9	99.0
0°-90°	820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1285	
5°	1251	116
15°	991	275
25°	624	282
35°	165	119
45°	13	15
55°	5	5
65°	4	4
75°	2	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1285.4
2.5°	1277.0
5°	1251.3
7.5°	1207.1
10°	1140.4
12.5°	1069.3
15°	990.7
17.5°	906.2
20°	816.0
22.5°	719.9
25°	623.5
27.5°	523.8
30°	418.7
32.5°	295.1
35°	164.9
37.5°	94.6
40°	52.9
42.5°	27.9
45°	13.0
47.5°	7.6
50°	6.5
52.5°	5.8
55°	5.4
57.5°	5.1
60°	4.3
62.5°	4.0
65°	3.6
67.5°	3.3
70°	2.9
72.5°	2.9
75°	2.5
77.5°	2.5
80°	2.2
82.5°	2.2
85°	1.8
87.5°	1.1
90°	0.0

(END OF REPORT)