

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: P366057

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1168.9 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

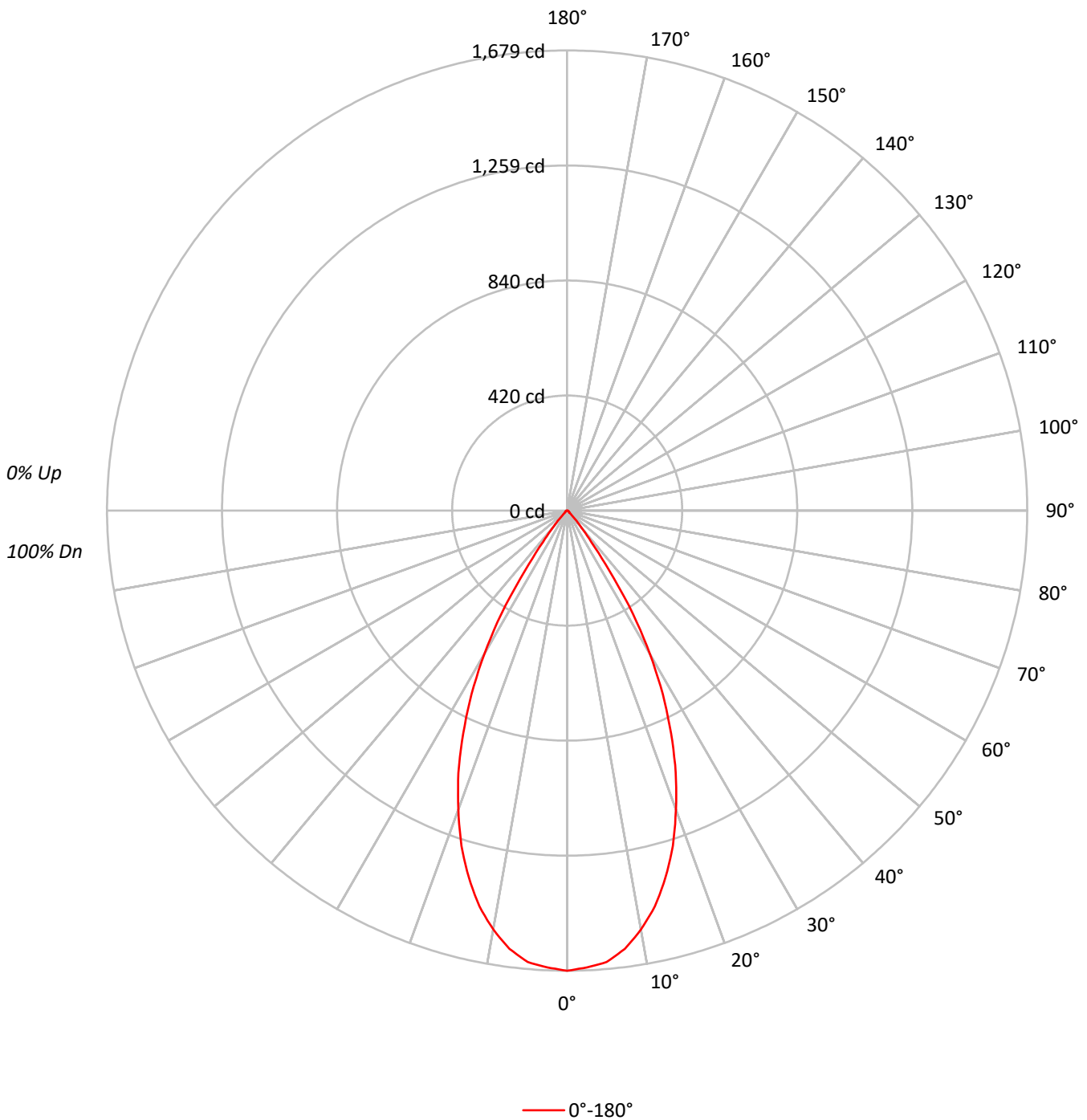
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67		74	70	67		73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60		68	63	60		67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120220
5°	118860
10°	112840
15°	102756
20°	88434
25°	70851
30°	49988
35°	23155
40°	7524
45°	2400
50°	1147
55°	1036
60°	959
65°	881
70°	858
75°	1134
80°	1278
85°	2136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	13.2
10°-20°	384.4	32.9
20°-30°	405.7	34.7
30°-40°	181.6	15.5
40°-50°	23.7	2.0
50°-60°	7.3	0.6
60°-70°	5.2	0.4
70°-80°	4.1	0.3
80°-90°	2.4	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°	944.7	80.8
0°-40°	1126.2	96.3
0°-60°	1157.3	99.0
0°-90°	1168.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1168.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1679	
5°	1654	155
15°	1386	384
25°	897	406
35°	265	182
45°	24	24
55°	8	7
65°	5	5
75°	4	4
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1679.0
2.5°	1668.1
5°	1653.7
7.5°	1612.9
10°	1552.0
12.5°	1479.2
15°	1386.2
17.5°	1283.0
20°	1160.6
22.5°	1036.2
25°	896.8
27.5°	755.9
30°	604.6
32.5°	448.1
35°	264.9
37.5°	144.0
40°	80.5
42.5°	44.9
45°	23.7
47.5°	12.4
50°	10.3
52.5°	8.8
55°	8.3
57.5°	7.2
60°	6.7
62.5°	5.7
65°	5.2
67.5°	4.6
70°	4.1
72.5°	4.1
75°	4.1
77.5°	3.6
80°	3.1
82.5°	3.1
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)