

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: P365258

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 755.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

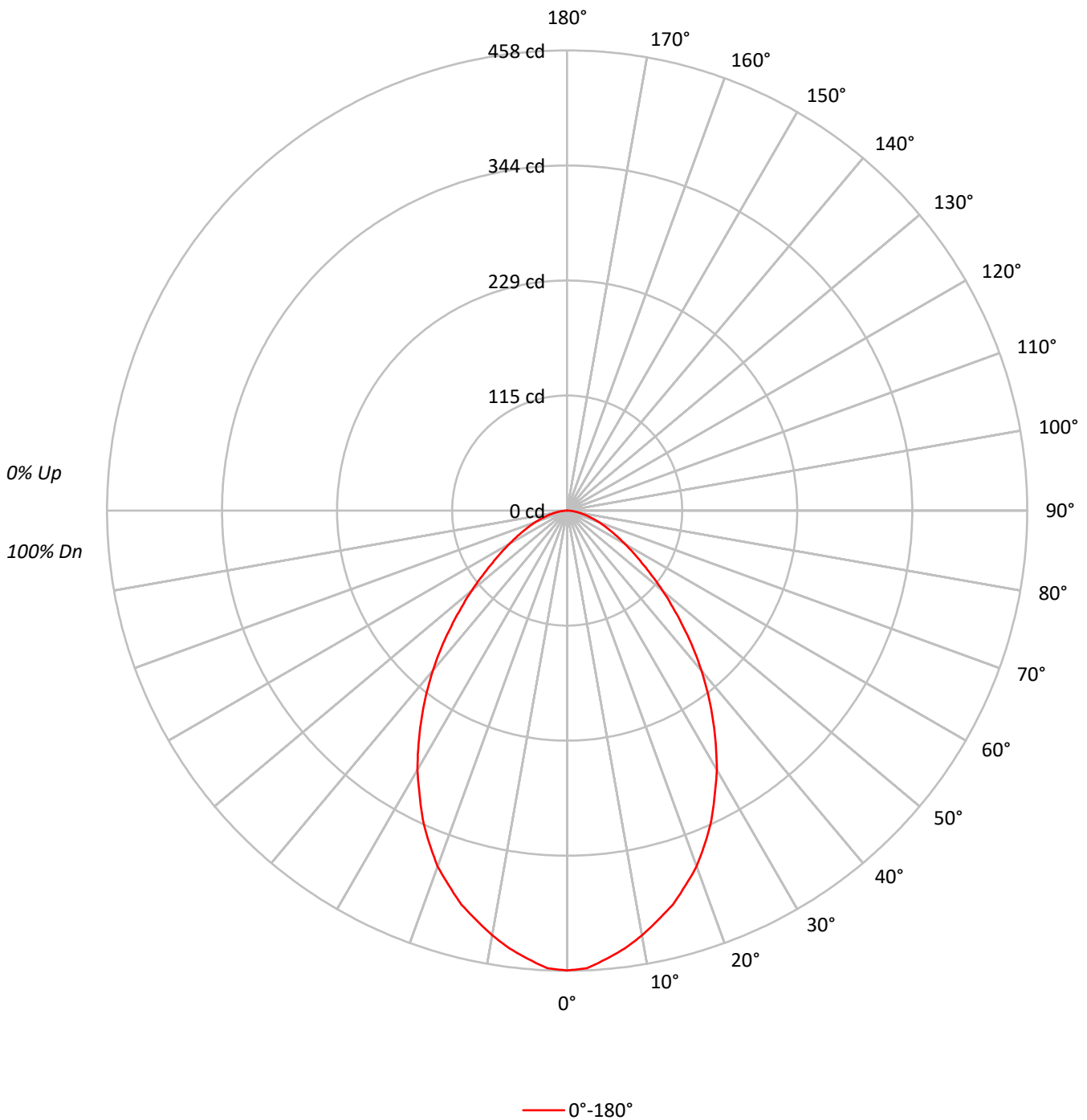
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32772
5°	32193
10°	31206
15°	30111
20°	28711
25°	26846
30°	24647
35°	22088
40°	19423
45°	16536
50°	13813
55°	11335
60°	9523
65°	8082
70°	7055
75°	5948
80°	4824
85°	3861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	5.6
10°-20°	113.9	15.1
20°-30°	155.6	20.6
30°-40°	157.7	20.9
40°-50°	126.4	16.7
50°-60°	82.4	10.9
60°-70°	48.1	6.4
70°-80°	23.1	3.1
80°-90°	5.6	0.7
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°	311.7	41.3
0°-40°	469.4	62.2
0°-60°	678.2	89.8
0°-90°	755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	755.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	458	
5°	448	42
15°	406	114
25°	340	156
35°	253	158
45°	163	126
55°	91	82
65°	48	48
75°	22	23
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	457.7
2.5°	455.8
5°	447.9
7.5°	439.5
10°	429.2
12.5°	417.5
15°	406.2
17.5°	391.3
20°	376.8
22.5°	358.5
25°	339.8
27.5°	318.3
30°	298.1
32.5°	275.2
35°	252.7
37.5°	230.3
40°	207.8
42.5°	185.8
45°	163.3
47.5°	142.7
50°	124.0
52.5°	105.8
55°	90.8
57.5°	77.7
60°	66.5
62.5°	56.6
65°	47.7
67.5°	40.2
70°	33.7
72.5°	27.1
75°	21.5
77.5°	16.4
80°	11.7
82.5°	8.0
85°	4.7
87.5°	1.9
90°	0.0

(END OF REPORT)