

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: P365331

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
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-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 917.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

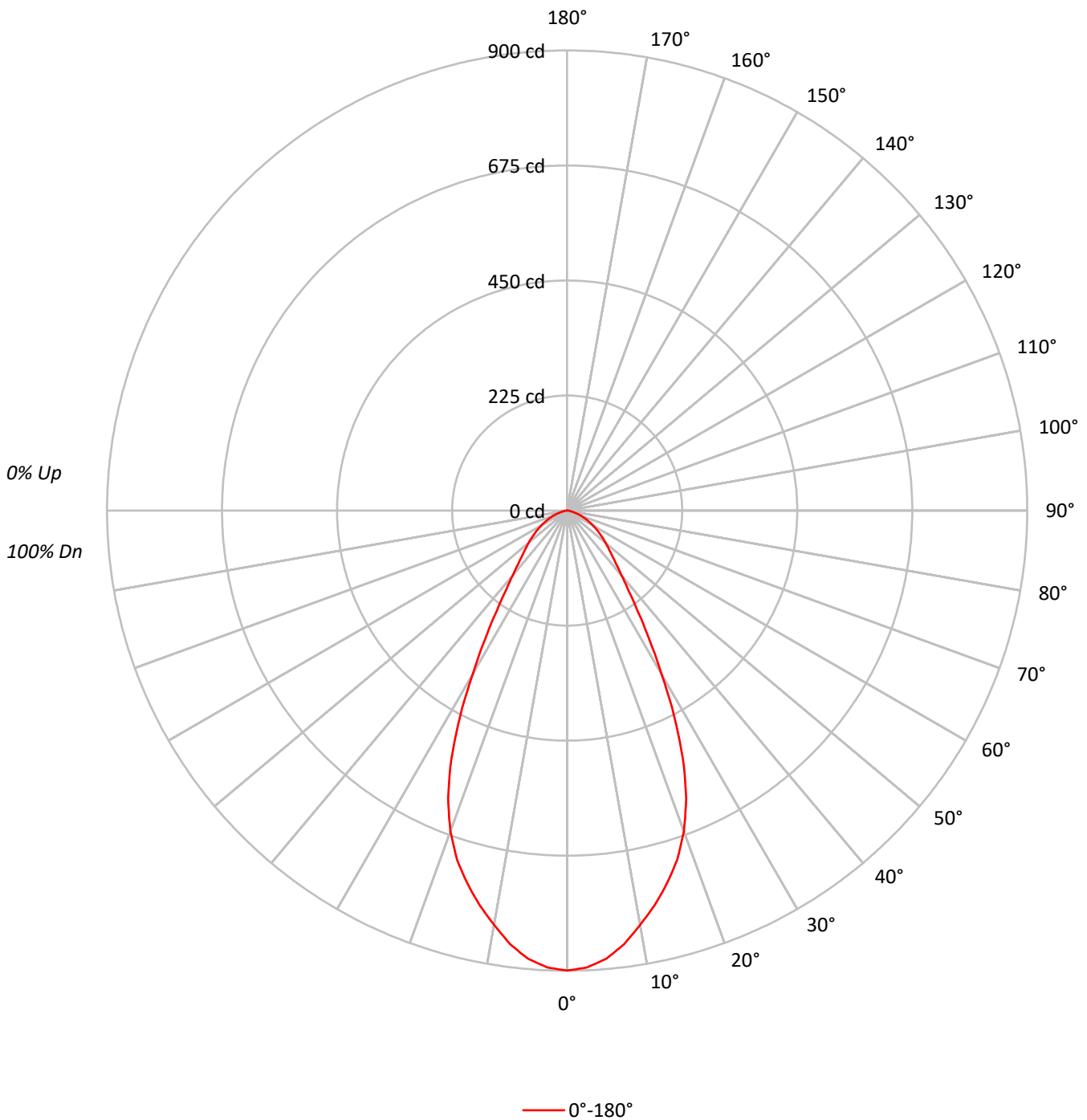
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64406
5°	63243
10°	59808
15°	55929
20°	50846
25°	42322
30°	30550
35°	21109
40°	15432
45°	12546
50°	10928
55°	9600
60°	8349
65°	7082
70°	5736
75°	3984
80°	2556
85°	2958



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	9.0
10°-20°	210.8	23.0
20°-30°	240.8	26.3
30°-40°	155.3	16.9
40°-50°	97.5	10.6
50°-60°	69.2	7.5
60°-70°	41.7	4.5
70°-80°	16.1	1.8
80°-90°	3.5	0.4
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°	533.7	58.2
0°-40°	689.0	75.1
0°-60°	855.7	93.3
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	900	
5°	880	82
15°	754	211
25°	536	241
35°	242	155
45°	124	98
55°	77	69
65°	42	42
75°	14	16
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	899.5
2.5°	894.3
5°	879.9
7.5°	855.1
10°	822.6
12.5°	790.6
15°	754.5
17.5°	715.8
20°	667.3
22.5°	608.4
25°	535.7
27.5°	453.6
30°	369.5
32.5°	298.8
35°	241.5
37.5°	197.1
40°	165.1
42.5°	141.9
45°	123.9
47.5°	109.9
50°	98.1
52.5°	87.2
55°	76.9
57.5°	67.6
60°	58.3
62.5°	50.1
65°	41.8
67.5°	34.1
70°	27.4
72.5°	20.1
75°	14.4
77.5°	9.8
80°	6.2
82.5°	4.1
85°	3.6
87.5°	2.1
90°	0.0

(END OF REPORT)