

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: P365975

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
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-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 943.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

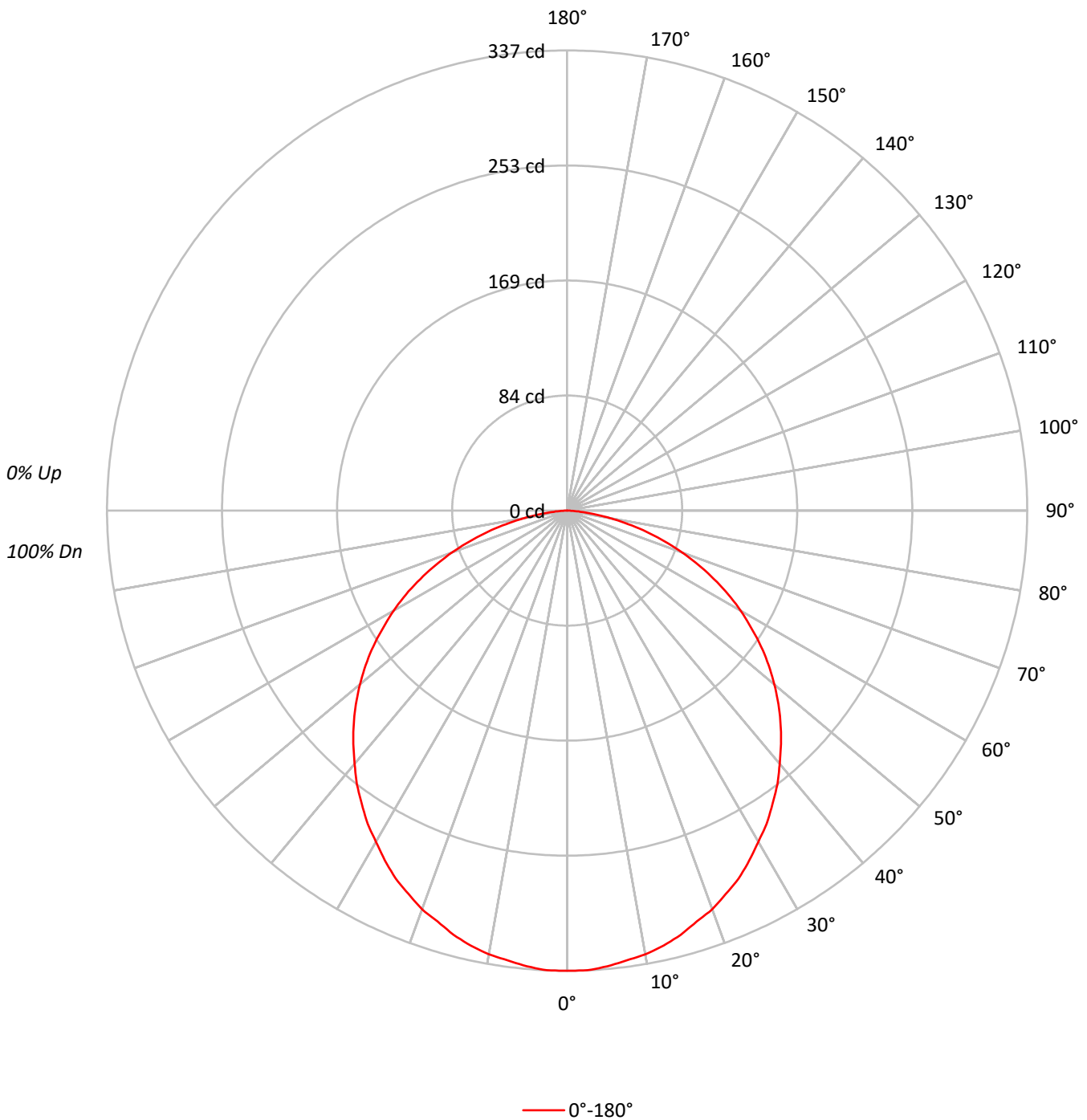
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9205
5°	9188
10°	9153
15°	9094
20°	9034
25°	8960
30°	8831
35°	8743
40°	8633
45°	8541
50°	8423
55°	8258
60°	8020
65°	7672
70°	7164
75°	6364
80°	5081
85°	3071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	3.4
10°-20°	90.7	9.6
20°-30°	136.8	14.5
30°-40°	164.1	17.4
40°-50°	170.5	18.1
50°-60°	154.7	16.4
60°-70°	117.3	12.4
70°-80°	63.8	6.8
80°-90°	13.3	1.4
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°	259.3	27.5
0°-40°	423.4	44.9
0°-60°	748.6	79.4
0°-90°	943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	337	
5°	335	32
15°	322	91
25°	297	137
35°	262	164
45°	221	170
55°	173	155
65°	119	117
75°	60	64
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	337.0
2.5°	337.0
5°	335.1
7.5°	332.3
10°	330.0
12.5°	326.3
15°	321.6
17.5°	315.5
20°	310.8
22.5°	303.8
25°	297.3
27.5°	288.9
30°	280.0
32.5°	272.0
35°	262.2
37.5°	252.9
40°	242.1
42.5°	231.8
45°	221.1
47.5°	209.9
50°	198.2
52.5°	186.0
55°	173.4
57.5°	159.9
60°	146.8
62.5°	133.2
65°	118.7
67.5°	104.2
70°	89.7
72.5°	74.8
75°	60.3
77.5°	45.8
80°	32.3
82.5°	20.1
85°	9.8
87.5°	2.8
90°	0.0

(END OF REPORT)