

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: P365327

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 931.0 lumens
Efficiency: N/A
Efficacy: 65.6 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

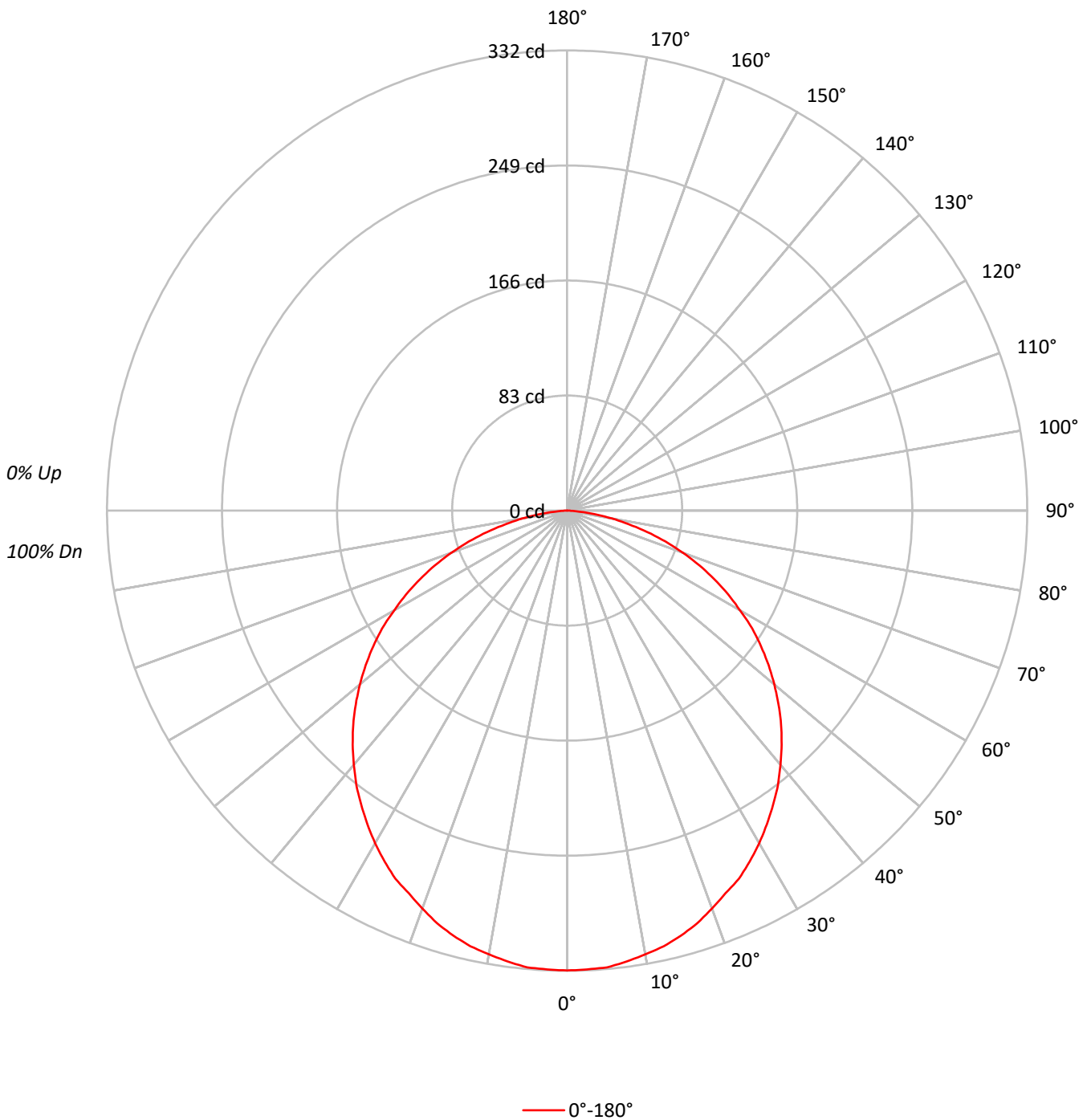
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	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	45	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°	9063
5°	9070
10°	9017
15°	8976
20°	8880
25°	8834
30°	8740
35°	8640
40°	8536
45°	8433
50°	8291
55°	8134
60°	7867
65°	7569
70°	7092
75°	6322
80°	5112
85°	3071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	3.4
10°-20°	89.5	9.6
20°-30°	134.9	14.5
30°-40°	162.2	17.4
40°-50°	168.3	18.1
50°-60°	152.5	16.4
60°-70°	115.7	12.4
70°-80°	63.3	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°	255.7	27.5
0°-40°	417.9	44.9
0°-60°	738.7	79.3
0°-90°	931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	332	
5°	331	31
15°	317	89
25°	293	135
35°	259	162
45°	218	168
55°	171	153
65°	117	116
75°	60	63
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	331.8
2.5°	331.3
5°	330.8
7.5°	328.2
10°	325.1
12.5°	322.0
15°	317.4
17.5°	312.2
20°	305.5
22.5°	298.8
25°	293.1
27.5°	285.4
30°	277.1
32.5°	268.3
35°	259.1
37.5°	249.8
40°	239.4
42.5°	229.1
45°	218.3
47.5°	206.9
50°	195.1
52.5°	183.2
55°	170.8
57.5°	158.4
60°	144.0
62.5°	131.1
65°	117.1
67.5°	103.2
70°	88.8
72.5°	74.3
75°	59.9
77.5°	45.4
80°	32.5
82.5°	20.1
85°	9.8
87.5°	2.6
90°	0.0

(END OF REPORT)