

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: P364553

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1008.1 lumens
Efficiency: N/A
Efficacy: 71.0 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

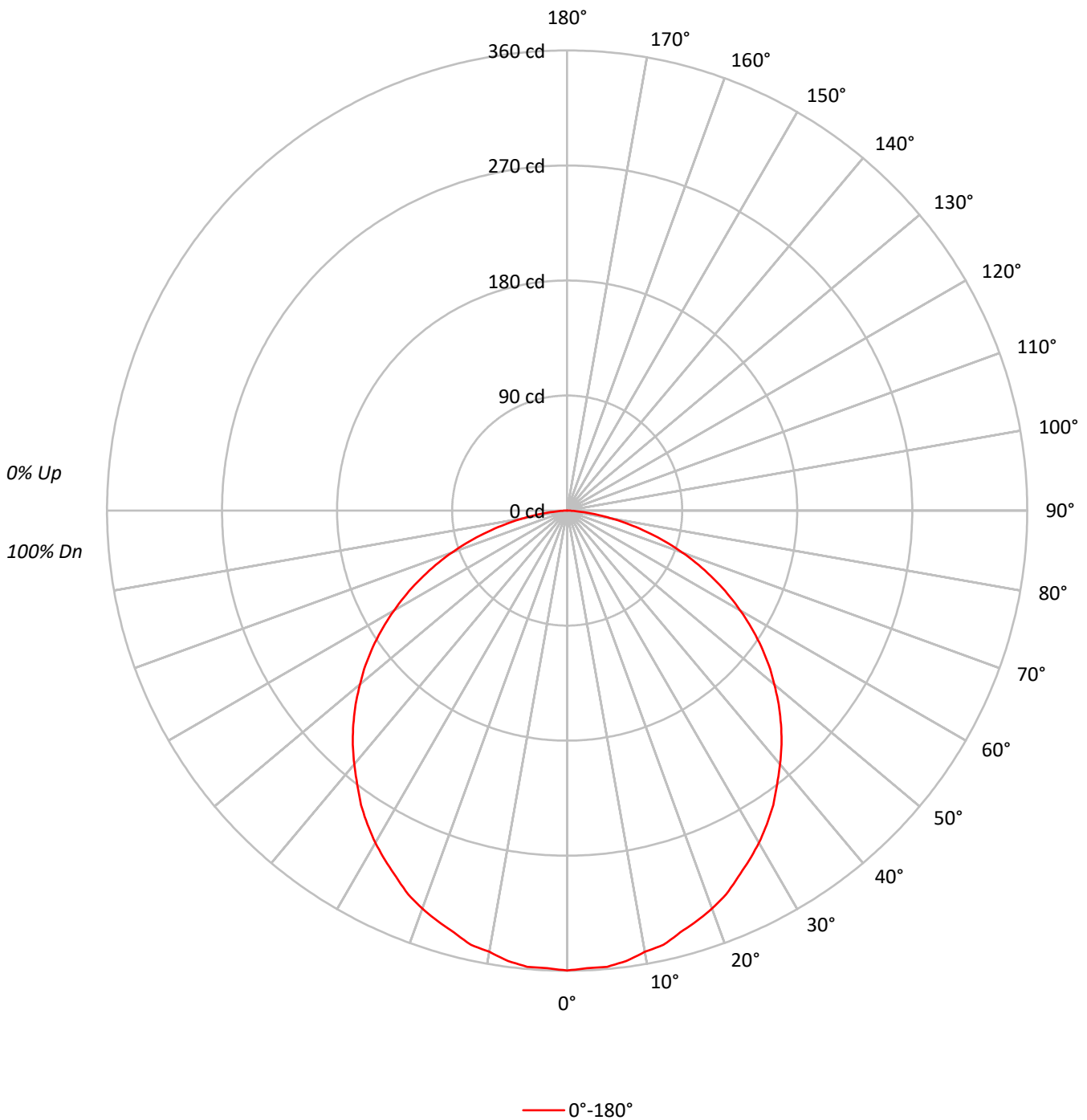
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	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	34	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°	9828
5°	9824
10°	9722
15°	9663
20°	9633
25°	9533
30°	9465
35°	9373
40°	9239
45°	9140
50°	8996
55°	8824
60°	8544
65°	8183
70°	7651
75°	6807
80°	5458
85°	3385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	3.4
10°-20°	96.6	9.6
20°-30°	146.0	14.5
30°-40°	175.6	17.4
40°-50°	182.4	18.1
50°-60°	165.4	16.4
60°-70°	125.2	12.4
70°-80°	68.4	6.8
80°-90°	14.6	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°	276.6	27.4
0°-40°	452.2	44.9
0°-60°	800.0	79.4
0°-90°	1008.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1008.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	360	
5°	358	34
15°	342	97
25°	316	146
35°	281	176
45°	237	182
55°	185	165
65°	127	125
75°	64	68
85°	11	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	359.8
2.5°	358.3
5°	358.3
7.5°	355.4
10°	350.5
12.5°	348.0
15°	341.7
17.5°	336.8
20°	331.4
22.5°	325.1
25°	316.3
27.5°	308.5
30°	300.1
32.5°	290.9
35°	281.1
37.5°	269.8
40°	259.1
42.5°	248.3
45°	236.6
47.5°	224.4
50°	211.7
52.5°	199.0
55°	185.3
57.5°	171.1
60°	156.4
62.5°	141.8
65°	126.6
67.5°	111.5
70°	95.8
72.5°	80.2
75°	64.5
77.5°	49.4
80°	34.7
82.5°	22.0
85°	10.8
87.5°	3.4
90°	0.0

(END OF REPORT)