

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: P364535

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364535
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-FEU6B12-8027-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: 964.0 lumens
Efficiency: N/A
Efficacy: 67.9 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

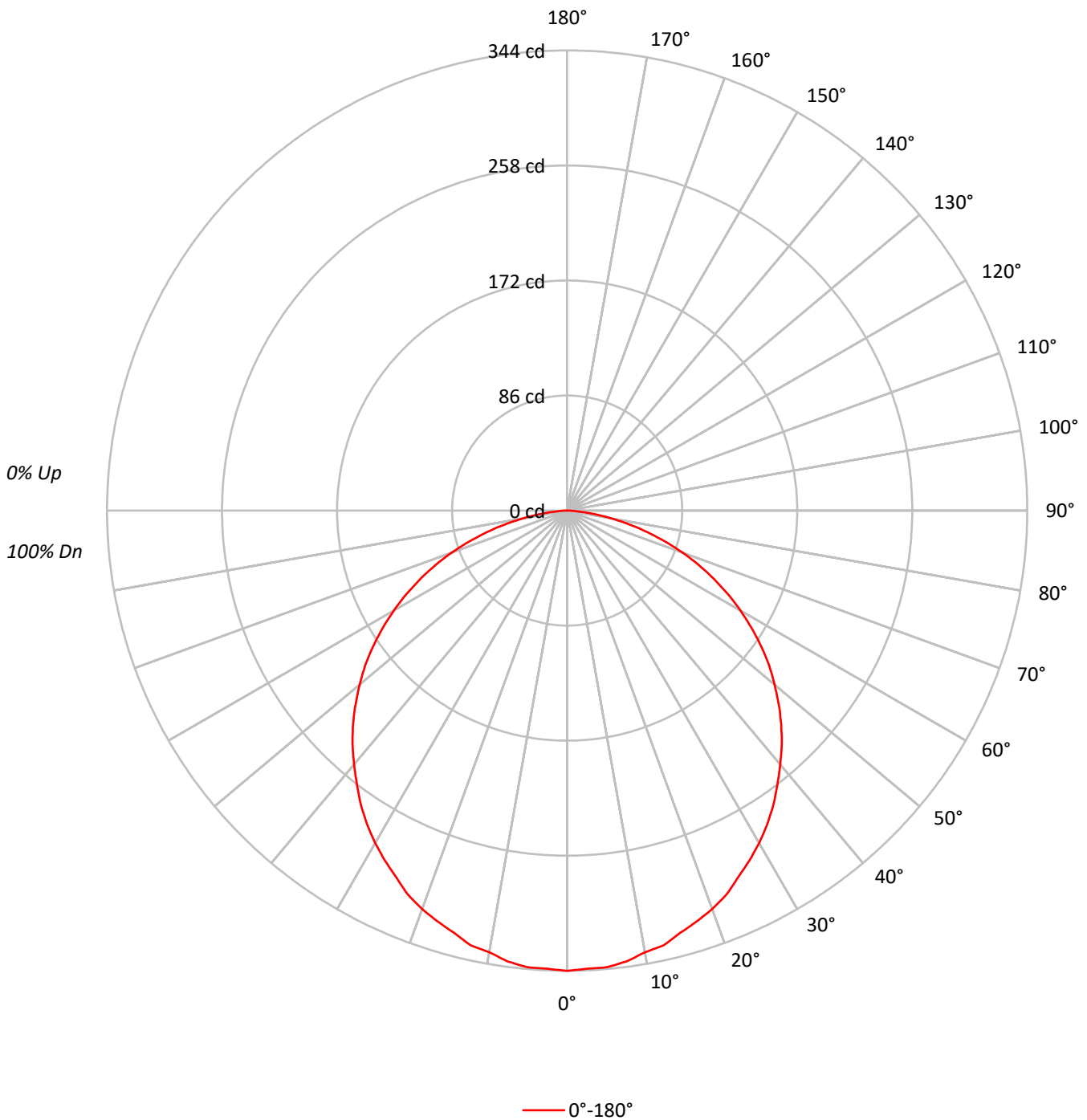
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9399
5°	9397
10°	9297
15°	9242
20°	9215
25°	9117
30°	9052
35°	8963
40°	8836
45°	8742
50°	8601
55°	8439
60°	8173
65°	7827
70°	7316
75°	6512
80°	5222
85°	3228



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	3.4
10°-20°	92.4	9.6
20°-30°	139.6	14.5
30°-40°	168.0	17.4
40°-50°	174.4	18.1
50°-60°	158.1	16.4
60°-70°	119.7	12.4
70°-80°	65.4	6.8
80°-90°	13.9	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°	264.5	27.4
0°-40°	432.5	44.9
0°-60°	765.1	79.4
0°-90°	964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	964.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	344	
5°	343	32
15°	327	92
25°	302	140
35°	269	168
45°	226	174
55°	177	158
65°	121	120
75°	62	65
85°	10	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	344.1
2.5°	342.7
5°	342.7
7.5°	339.9
10°	335.2
12.5°	332.9
15°	326.8
17.5°	322.1
20°	317.0
22.5°	310.9
25°	302.5
27.5°	295.0
30°	287.0
32.5°	278.2
35°	268.8
37.5°	258.1
40°	247.8
42.5°	237.5
45°	226.3
47.5°	214.6
50°	202.4
52.5°	190.3
55°	177.2
57.5°	163.6
60°	149.6
62.5°	135.6
65°	121.1
67.5°	106.6
70°	91.6
72.5°	76.7
75°	61.7
77.5°	47.2
80°	33.2
82.5°	21.0
85°	10.3
87.5°	3.3
90°	0.0

(END OF REPORT)