

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: P365307

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

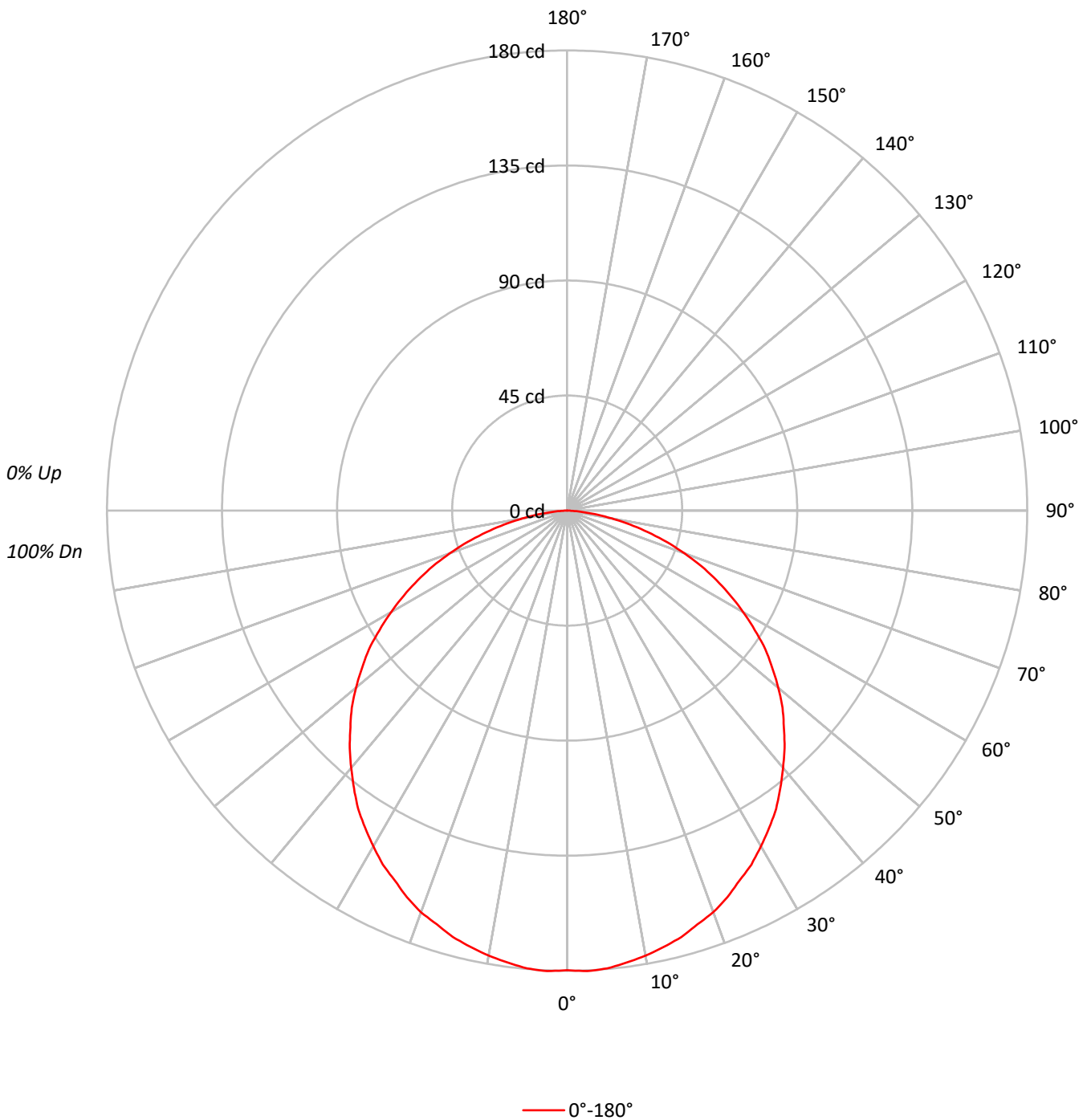
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	70	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	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4911
5°	4930
10°	4904
15°	4884
20°	4860
25°	4810
30°	4782
35°	4752
40°	4685
45°	4632
50°	4581
55°	4510
60°	4349
65°	4169
70°	3897
75°	3451
80°	2769
85°	1567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	3.3
10°-20°	48.7	9.5
20°-30°	73.7	14.4
30°-40°	89.0	17.4
40°-50°	92.6	18.1
50°-60°	84.2	16.5
60°-70°	63.7	12.5
70°-80°	34.8	6.8
80°-90°	7.2	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°	139.5	27.3
0°-40°	228.4	44.7
0°-60°	405.3	79.3
0°-90°	511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	180	
5°	180	17
15°	173	49
25°	160	74
35°	142	89
45°	120	93
55°	95	84
65°	64	64
75°	33	35
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	179.8
2.5°	180.3
5°	179.8
7.5°	178.3
10°	176.8
12.5°	174.8
15°	172.7
17.5°	169.7
20°	167.2
22.5°	163.7
25°	159.6
27.5°	156.1
30°	151.6
32.5°	147.1
35°	142.5
37.5°	137.0
40°	131.4
42.5°	125.9
45°	119.9
47.5°	114.3
50°	107.8
52.5°	101.2
55°	94.7
57.5°	87.1
60°	79.6
62.5°	72.0
65°	64.5
67.5°	56.9
70°	48.8
72.5°	40.8
75°	32.7
77.5°	25.2
80°	17.6
82.5°	11.1
85°	5.0
87.5°	1.5
90°	0.0

(END OF REPORT)