

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: P365269

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
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-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1107.1 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

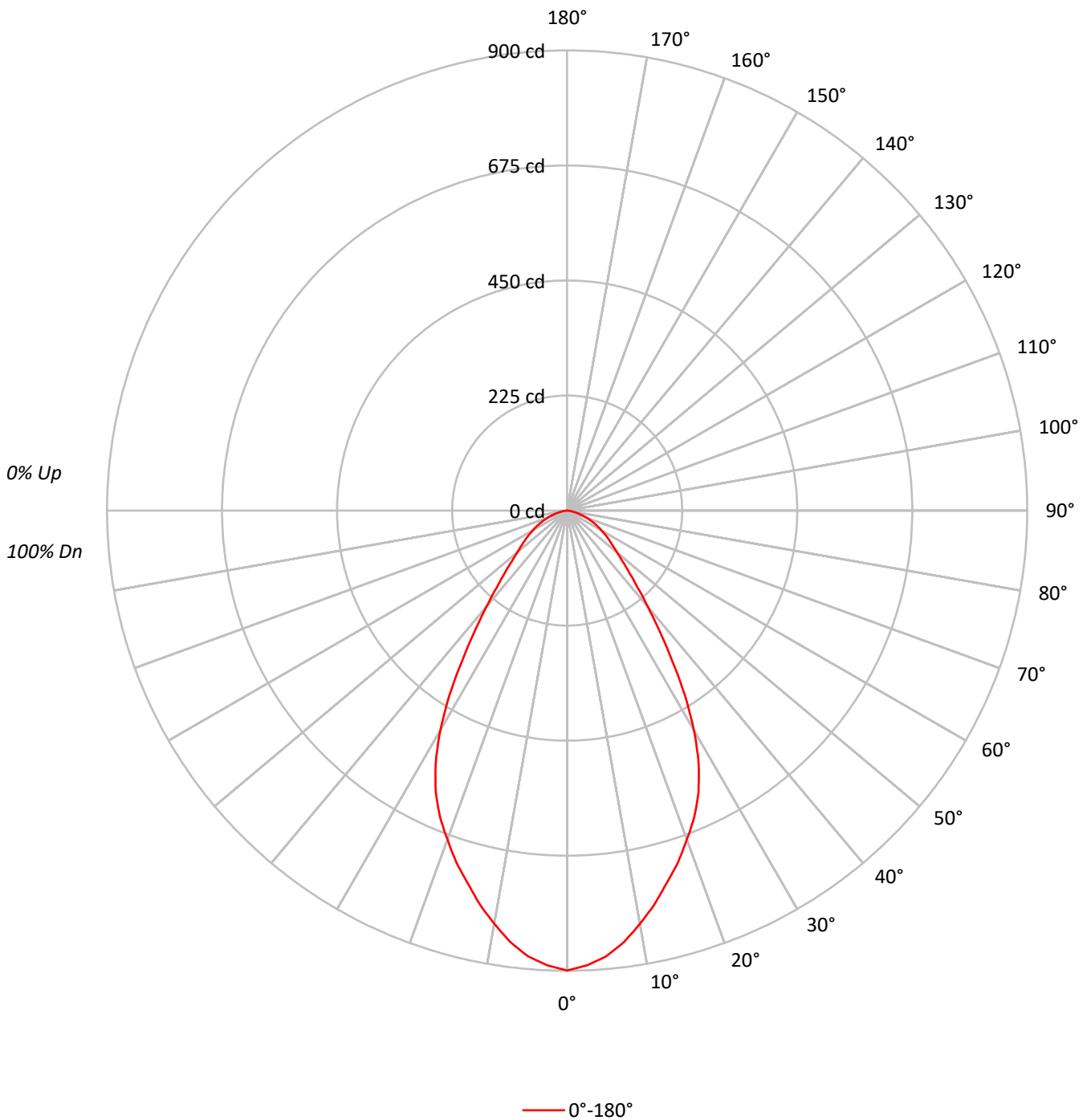
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24570
5°	23992
10°	22752
15°	21305
20°	19897
25°	18319
30°	15657
35°	11908
40°	8729
45°	6644
50°	5418
55°	4772
60°	4245
65°	3729
70°	3163
75°	2480
80°	1683
85°	752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	7.4
10°-20°	211.8	19.1
20°-30°	275.7	24.9
30°-40°	225.0	20.3
40°-50°	136.0	12.3
50°-60°	90.1	8.1
60°-70°	57.4	5.2
70°-80°	25.4	2.3
80°-90°	3.8	0.3
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°	569.3	51.4
0°-40°	794.3	71.7
0°-60°	1020.4	92.2
0°-90°	1107.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	900	
5°	875	82
15°	753	212
25°	608	276
35°	357	225
45°	172	136
55°	100	90
65°	58	57
75°	24	25
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	899.5
2.5°	890.2
5°	875.0
7.5°	851.1
10°	820.3
12.5°	789.0
15°	753.4
17.5°	721.1
20°	684.5
22.5°	649.3
25°	607.8
27.5°	557.0
30°	496.4
32.5°	428.5
35°	357.1
37.5°	296.6
40°	244.8
42.5°	203.7
45°	172.0
47.5°	147.1
50°	127.5
52.5°	112.4
55°	100.2
57.5°	88.4
60°	77.7
62.5°	67.4
65°	57.7
67.5°	48.4
70°	39.6
72.5°	31.3
75°	23.5
77.5°	16.6
80°	10.7
82.5°	5.9
85°	2.4
87.5°	0.5
90°	0.0

(END OF REPORT)