

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: P365971

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-WMH-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1206.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

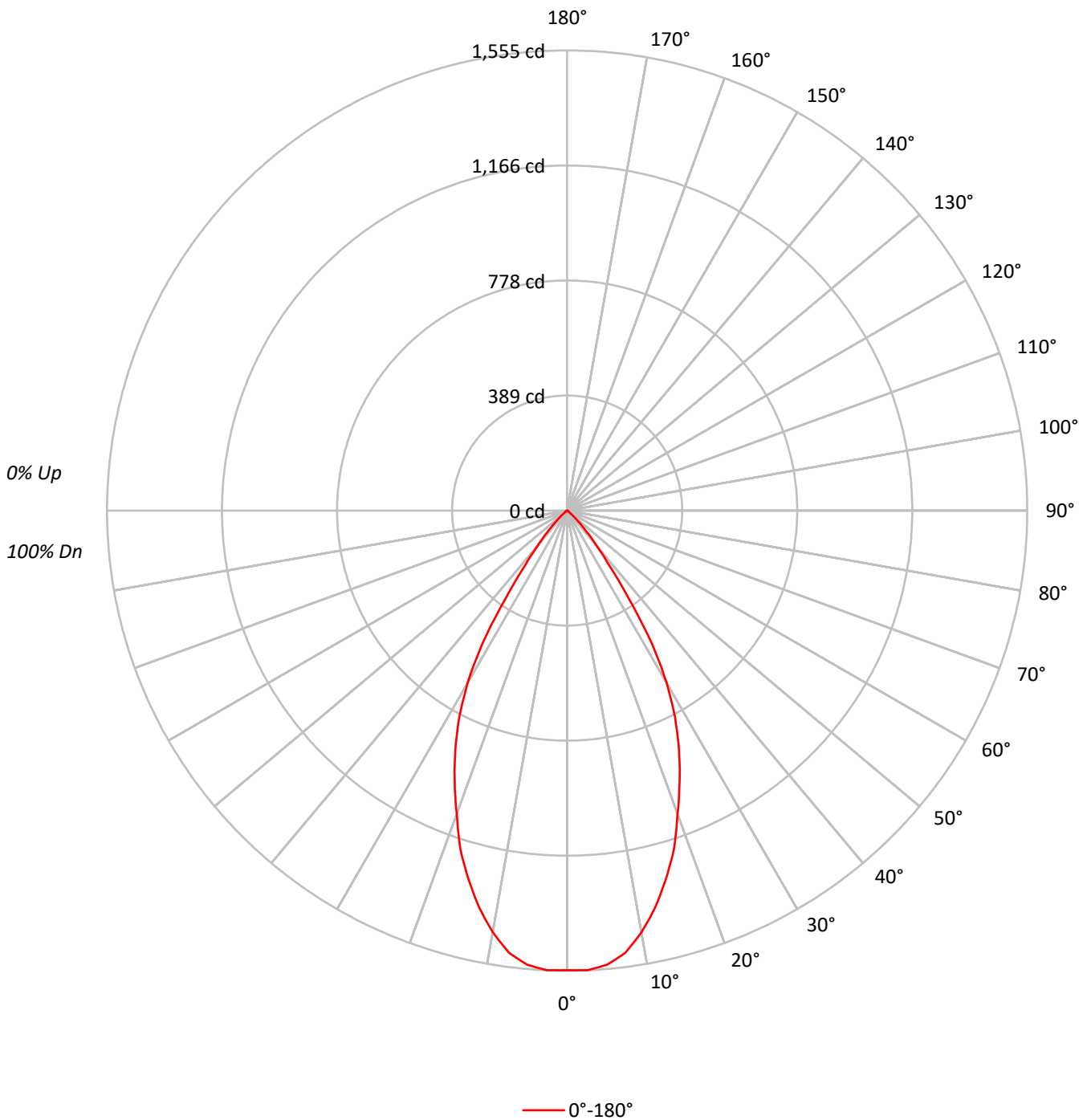
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42426
5°	42248
10°	40132
15°	36454
20°	31722
25°	26968
30°	21214
35°	12105
40°	5445
45°	2291
50°	722
55°	219
60°	153
65°	116
70°	112
75°	148
80°	79
85°	157



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	12.0
10°-20°	358.6	29.7
20°-30°	406.3	33.7
30°-40°	235.6	19.5
40°-50°	52.2	4.3
50°-60°	5.7	0.5
60°-70°	1.9	0.2
70°-80°	1.2	0.1
80°-90°	0.3	0.0
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°	909.1	75.4
0°-40°	1144.6	94.9
0°-60°	1202.6	99.7
0°-90°	1206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1553	
5°	1541	144
15°	1289	359
25°	895	406
35°	363	236
45°	59	52
55°	5	6
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1553.2
2.5°	1554.6
5°	1540.8
7.5°	1507.2
10°	1446.9
12.5°	1373.8
15°	1289.1
17.5°	1199.9
20°	1091.3
22.5°	993.3
25°	894.8
27.5°	789.9
30°	672.6
32.5°	534.1
35°	363.0
37.5°	233.3
40°	152.7
42.5°	99.8
45°	59.3
47.5°	33.1
50°	17.0
52.5°	7.8
55°	4.6
57.5°	3.7
60°	2.8
62.5°	2.3
65°	1.8
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.9
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)