

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: P365295

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 886.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

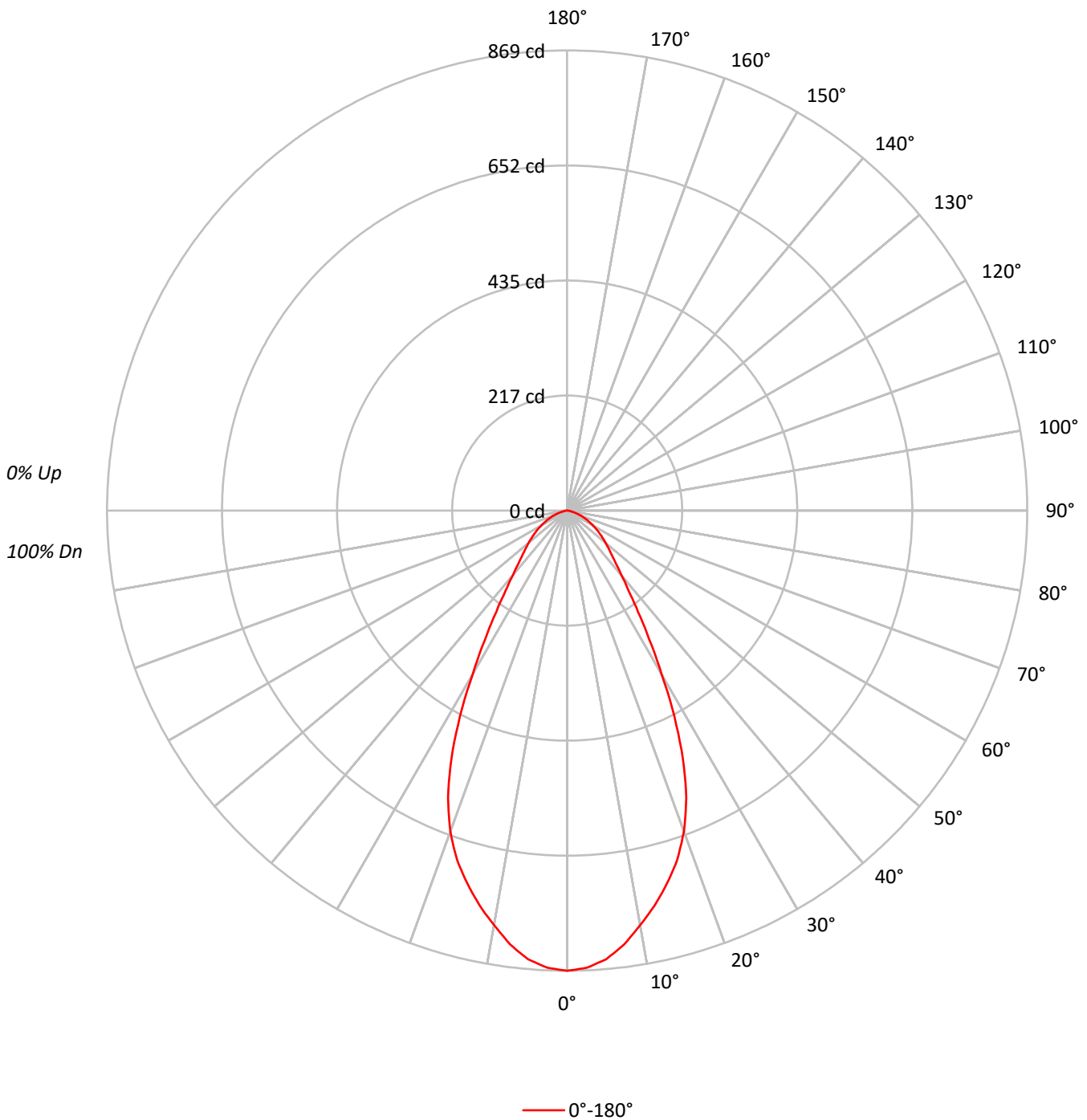
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62229
5°	61108
10°	57787
15°	54039
20°	49124
25°	40892
30°	29516
35°	20401
40°	14918
45°	12121
50°	10549
55°	9275
60°	8062
65°	6845
70°	5527
75°	3873
80°	2474
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	9.0
10°-20°	203.7	23.0
20°-30°	232.6	26.3
30°-40°	150.1	16.9
40°-50°	94.2	10.6
50°-60°	66.8	7.5
60°-70°	40.3	4.5
70°-80°	15.6	1.8
80°-90°	3.4	0.4
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°	515.7	58.2
0°-40°	665.8	75.1
0°-60°	826.8	93.3
0°-90°	886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	886.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	869	
5°	850	79
15°	729	204
25°	518	233
35°	233	150
45°	120	94
55°	74	67
65°	40	40
75°	14	16
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	869.1
2.5°	864.1
5°	850.2
7.5°	826.2
10°	794.8
12.5°	763.9
15°	729.0
17.5°	691.6
20°	644.7
22.5°	587.9
25°	517.6
27.5°	438.3
30°	357.0
32.5°	288.7
35°	233.4
37.5°	190.5
40°	159.6
42.5°	137.1
45°	119.7
47.5°	106.2
50°	94.7
52.5°	84.3
55°	74.3
57.5°	65.3
60°	56.3
62.5°	48.4
65°	40.4
67.5°	32.9
70°	26.4
72.5°	19.4
75°	14.0
77.5°	9.5
80°	6.0
82.5°	4.0
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)