

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: P365314

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 889.0 lumens
Efficiency: N/A
Efficacy: 62.6 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

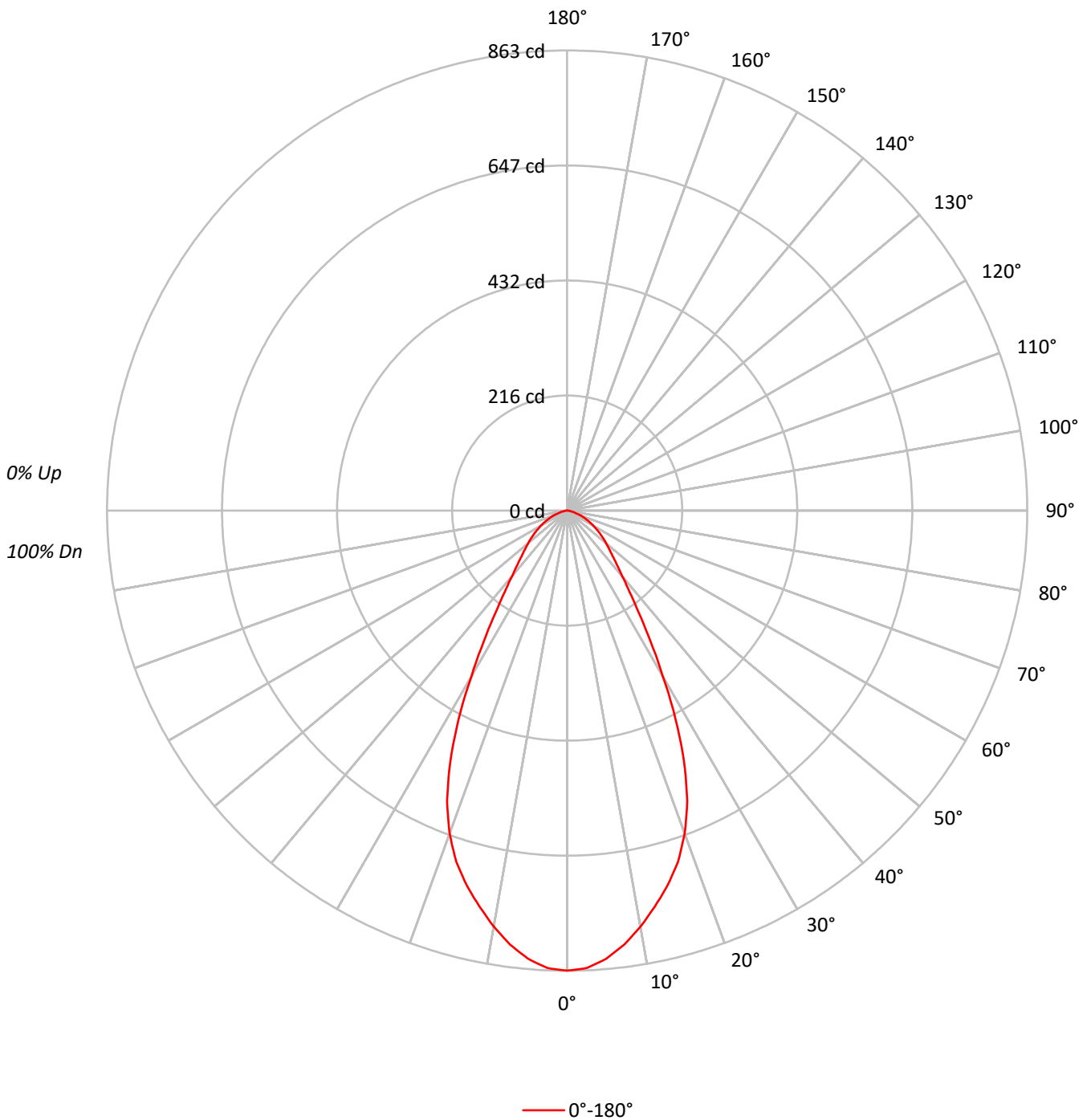
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	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	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61771
5°	60634
10°	57598
15°	53943
20°	49109
25°	40964
30°	29706
35°	20436
40°	15030
45°	12192
50°	10605
55°	9375
60°	8148
65°	6913
70°	5590
75°	4039
80°	2721
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	8.9
10°-20°	203.2	22.9
20°-30°	233.2	26.2
30°-40°	151.0	17.0
40°-50°	94.8	10.7
50°-60°	67.5	7.6
60°-70°	40.7	4.6
70°-80°	16.2	1.8
80°-90°	3.5	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°	515.4	58.0
0°-40°	666.3	74.9
0°-60°	828.6	93.2
0°-90°	889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	889.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	863	
5°	844	79
15°	728	203
25°	518	233
35°	234	151
45°	120	95
55°	75	67
65°	41	41
75°	15	16
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	862.7
2.5°	858.7
5°	843.6
7.5°	820.9
10°	792.2
12.5°	760.4
15°	727.7
17.5°	690.9
20°	644.5
22.5°	588.6
25°	518.5
27.5°	440.4
30°	359.3
32.5°	290.8
35°	233.8
37.5°	192.0
40°	160.8
42.5°	138.1
45°	120.4
47.5°	106.8
50°	95.2
52.5°	85.2
55°	75.1
57.5°	66.0
60°	56.9
62.5°	48.9
65°	40.8
67.5°	33.3
70°	26.7
72.5°	20.2
75°	14.6
77.5°	10.1
80°	6.6
82.5°	4.0
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)