

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: P365313

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365313
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-FEU6B12-8040-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: 894.9 lumens
Efficiency: N/A
Efficacy: 63.0 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

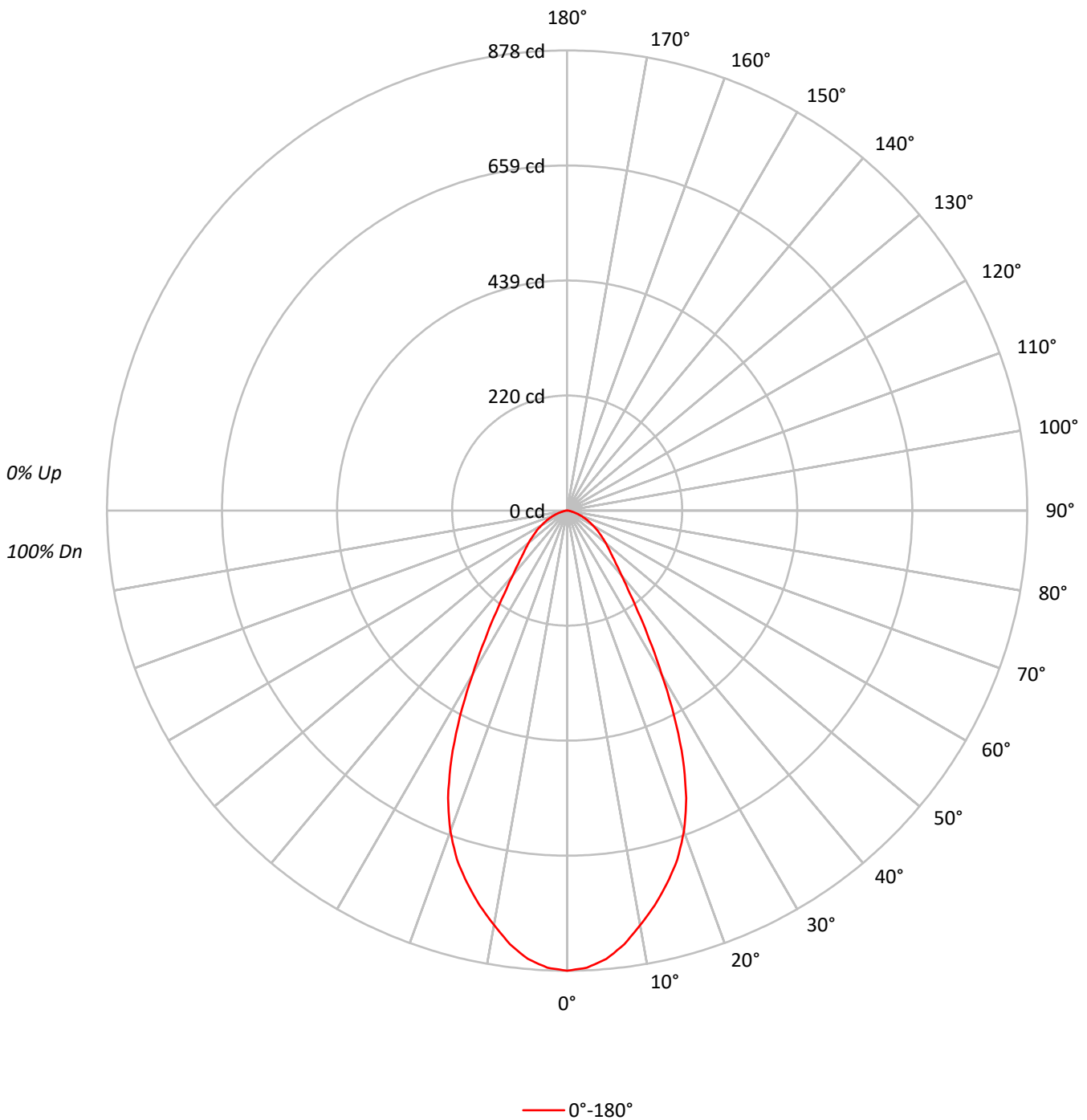
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	84	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°	62859
5°	61727
10°	58376
15°	54588
20°	49627
25°	41303
30°	29814
35°	20602
40°	15067
45°	12242
50°	10660
55°	9363
60°	8148
65°	6913
70°	5590
75°	3901
80°	2474
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	9.0
10°-20°	205.8	23.0
20°-30°	235.0	26.3
30°-40°	151.6	16.9
40°-50°	95.2	10.6
50°-60°	67.5	7.5
60°-70°	40.7	4.5
70°-80°	15.7	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°	520.9	58.2
0°-40°	672.5	75.1
0°-60°	835.2	93.3
0°-90°	894.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	878	
5°	859	80
15°	736	206
25°	523	235
35°	236	152
45°	121	95
55°	75	67
65°	41	41
75°	14	16
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	877.9
2.5°	872.9
5°	858.8
7.5°	834.6
10°	802.9
12.5°	771.7
15°	736.4
17.5°	698.6
20°	651.3
22.5°	593.8
25°	522.8
27.5°	442.7
30°	360.6
32.5°	291.6
35°	235.7
37.5°	192.4
40°	161.2
42.5°	138.5
45°	120.9
47.5°	107.3
50°	95.7
52.5°	85.1
55°	75.0
57.5°	66.0
60°	56.9
62.5°	48.9
65°	40.8
67.5°	33.2
70°	26.7
72.5°	19.6
75°	14.1
77.5°	9.6
80°	6.0
82.5°	4.0
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)