

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: P365261

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 799.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

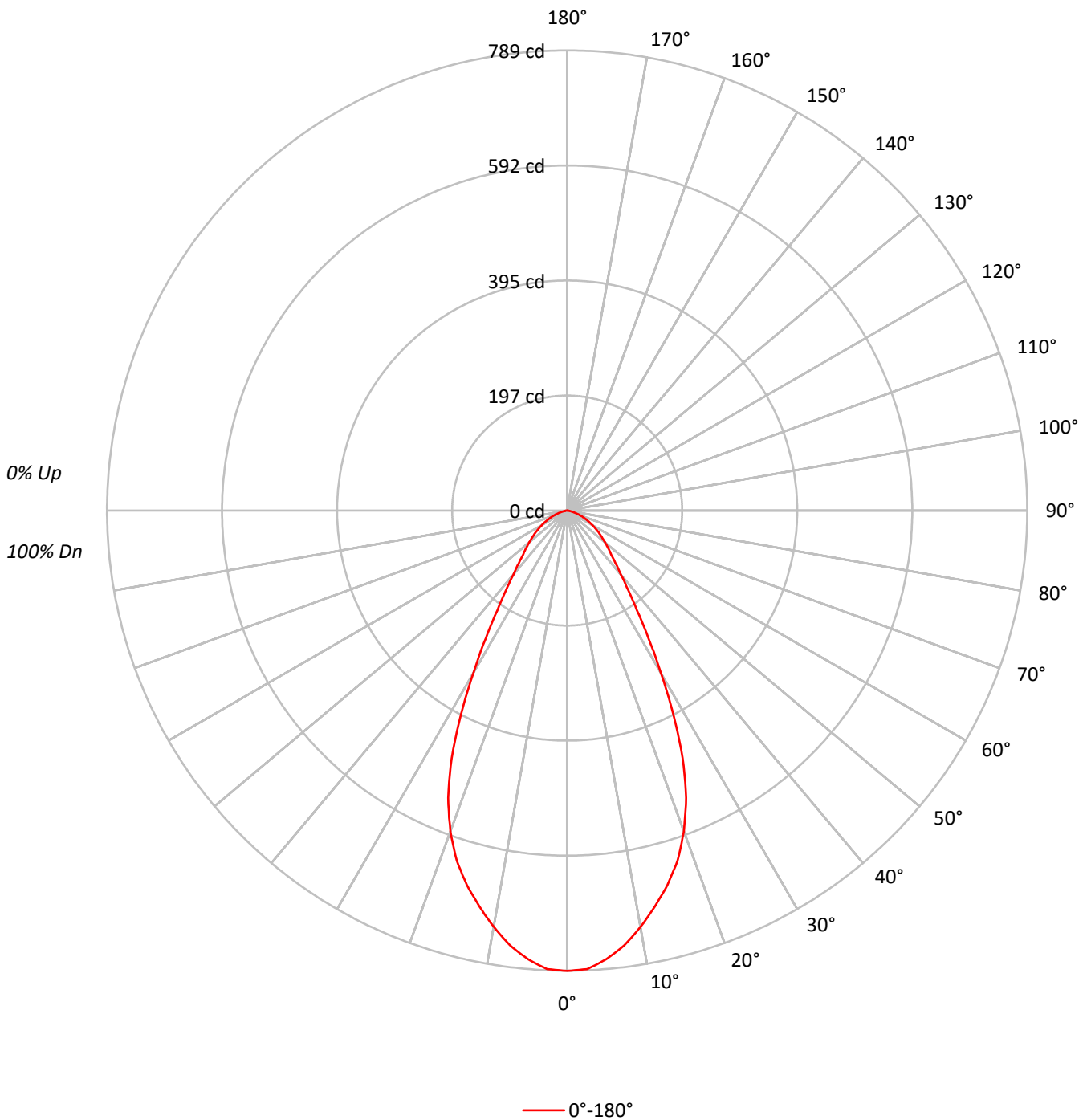
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56515
5°	55488
10°	52698
15°	49258
20°	44575
25°	37013
30°	26556
35°	18234
40°	13422
45°	10845
50°	9424
55°	8289
60°	7160
65°	6099
70°	4794
75°	3375
80°	2103
85°	2300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	9.0
10°-20°	185.4	23.2
20°-30°	210.3	26.3
30°-40°	134.8	16.9
40°-50°	84.5	10.6
50°-60°	59.6	7.5
60°-70°	35.8	4.5
70°-80°	13.7	1.7
80°-90°	2.7	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°	467.9	58.6
0°-40°	602.7	75.4
0°-60°	746.8	93.5
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	789	
5°	772	72
15°	664	185
25°	468	210
35°	209	135
45°	107	85
55°	66	60
65°	36	36
75°	12	14
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	789.3
2.5°	787.0
5°	772.0
7.5°	751.9
10°	724.8
12.5°	695.3
15°	664.5
17.5°	629.4
20°	585.0
22.5°	533.1
25°	468.5
27.5°	394.2
30°	321.2
32.5°	259.5
35°	208.6
37.5°	171.6
40°	143.6
42.5°	123.0
45°	107.1
47.5°	95.4
50°	84.6
52.5°	75.3
55°	66.4
57.5°	58.0
60°	50.0
62.5°	43.0
65°	36.0
67.5°	29.5
70°	22.9
72.5°	17.3
75°	12.2
77.5°	8.4
80°	5.1
82.5°	3.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)