

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: P366013

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
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-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1069.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

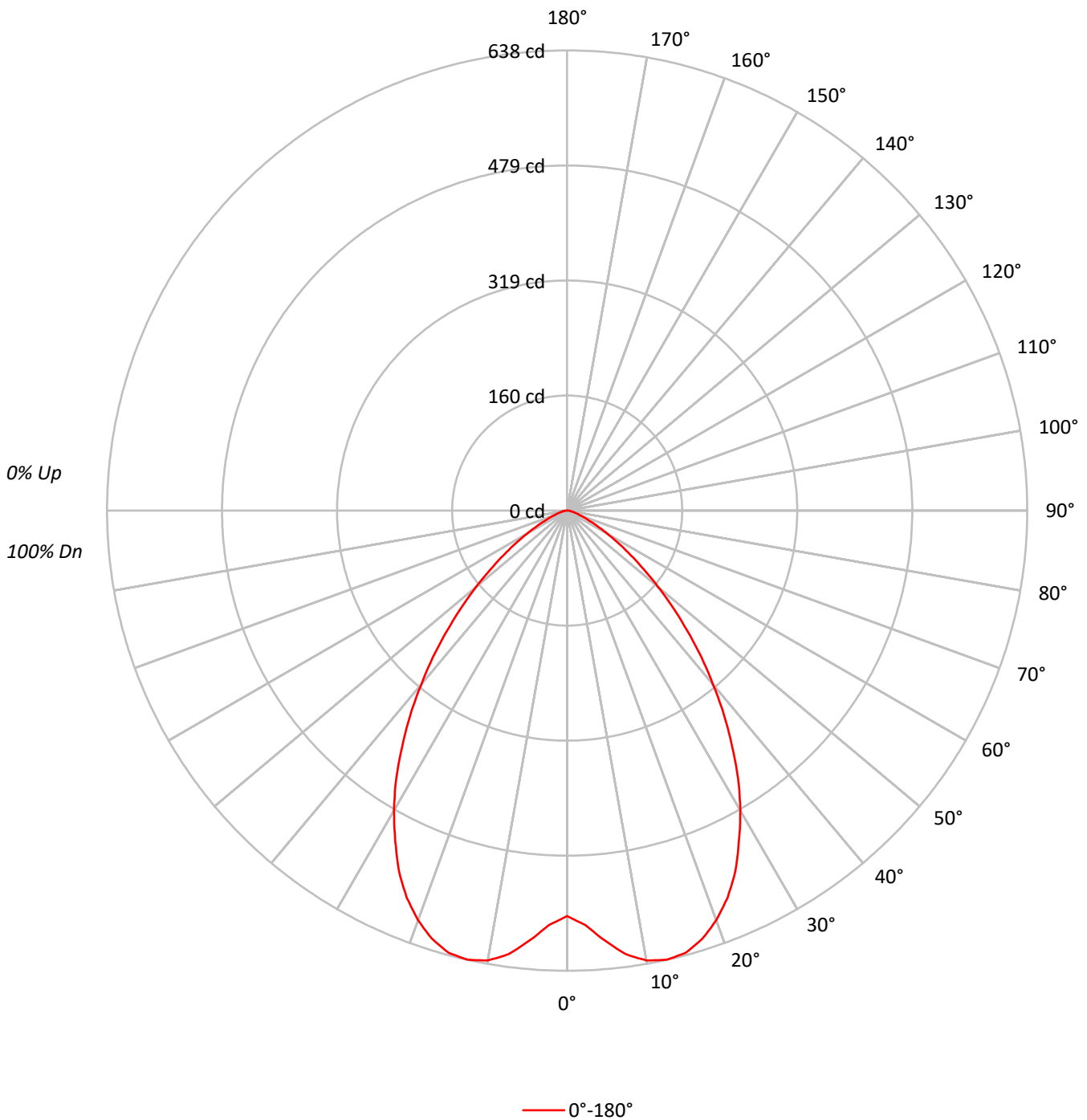
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40240
5°	43010
10°	46045
15°	47056
20°	46054
25°	43610
30°	39702
35°	34824
40°	29415
45°	23786
50°	18335
55°	13382
60°	9208
65°	6082
70°	3957
75°	2905
80°	2474
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	5.4
10°-20°	177.8	16.6
20°-30°	251.9	23.6
30°-40°	248.4	23.2
40°-50°	182.1	17.0
50°-60°	97.6	9.1
60°-70°	37.5	3.5
70°-80°	12.0	1.1
80°-90°	3.5	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°	487.9	45.6
0°-40°	736.3	68.9
0°-60°	1016.0	95.0
0°-90°	1069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1069.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	562	
5°	598	58
15°	635	178
25°	552	252
35°	398	248
45°	235	182
55°	107	98
65°	36	38
75°	10	12
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	562.0
2.5°	575.0
5°	598.4
7.5°	620.3
10°	633.3
12.5°	637.8
15°	634.8
17.5°	622.8
20°	604.4
22.5°	581.0
25°	552.0
27.5°	516.1
30°	480.2
32.5°	441.3
35°	398.4
37.5°	357.5
40°	314.7
42.5°	275.3
45°	234.9
47.5°	199.0
50°	164.6
52.5°	133.6
55°	107.2
57.5°	83.8
60°	64.3
62.5°	48.4
65°	35.9
67.5°	26.4
70°	18.9
72.5°	14.5
75°	10.5
77.5°	8.0
80°	6.0
82.5°	4.5
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)