

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: P366031

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366031
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-FEU6B12-8040-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: 1080.0 lumens
Efficiency: N/A
Efficacy: 76.1 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

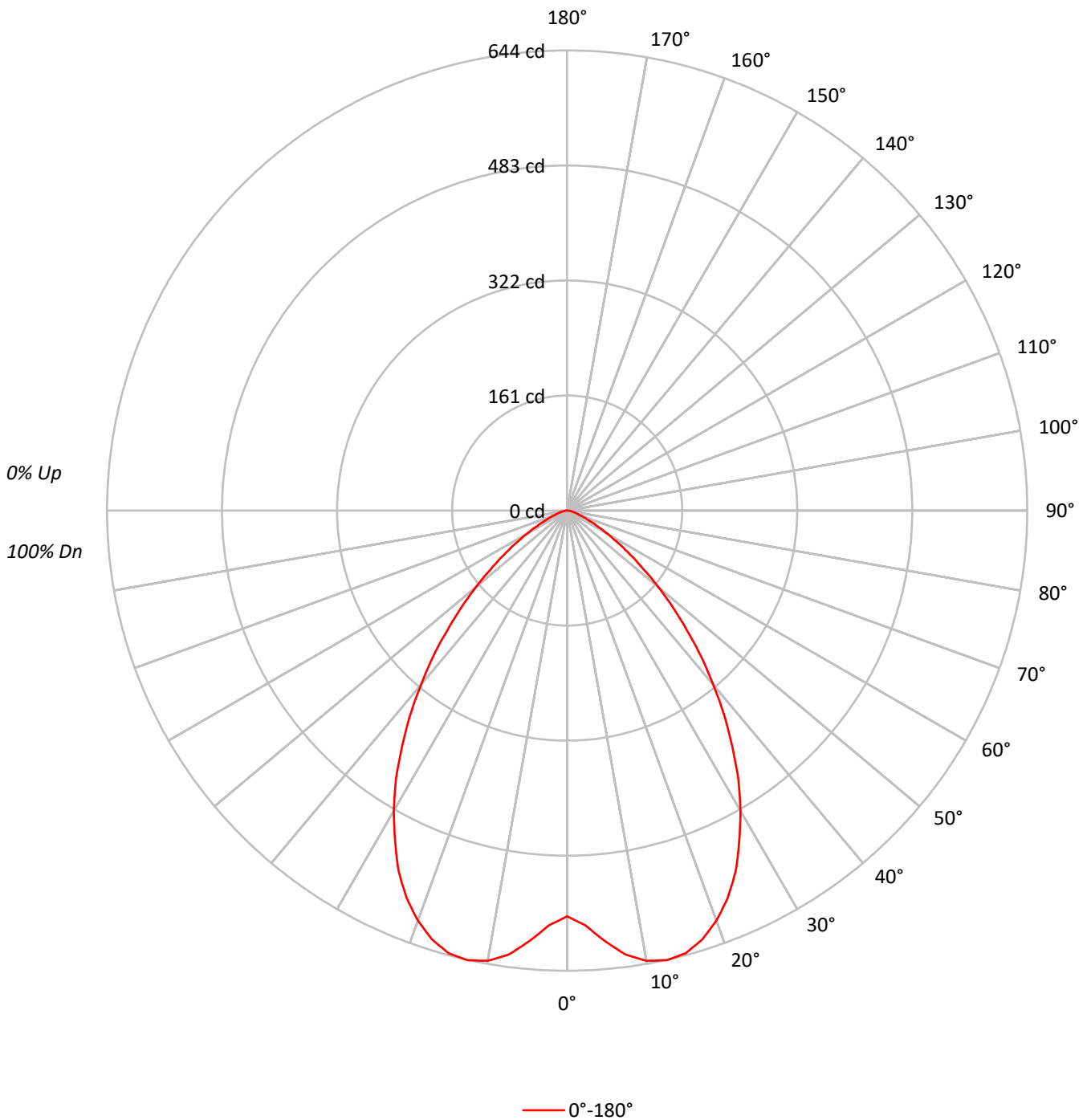
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	40656
5°	43456
10°	46518
15°	47538
20°	46526
25°	44060
30°	40116
35°	35182
40°	29714
45°	24029
50°	18525
55°	13520
60°	9308
65°	6150
70°	3999
75°	2932
80°	2474
85°	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	5.4
10°-20°	179.6	16.6
20°-30°	254.5	23.6
30°-40°	251.0	23.2
40°-50°	184.0	17.0
50°-60°	98.6	9.1
60°-70°	37.9	3.5
70°-80°	12.1	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°	492.9	45.6
0°-40°	743.9	68.9
0°-60°	1026.4	95.0
0°-90°	1080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1080.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	568	
5°	605	59
15°	641	180
25°	558	254
35°	402	251
45°	237	184
55°	108	99
65°	36	38
75°	11	12
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	567.8
2.5°	580.9
5°	604.6
7.5°	626.7
10°	639.8
12.5°	644.4
15°	641.3
17.5°	629.2
20°	610.6
22.5°	586.9
25°	557.7
27.5°	521.4
30°	485.2
32.5°	445.9
35°	402.5
37.5°	361.2
40°	317.9
42.5°	278.1
45°	237.3
47.5°	201.0
50°	166.3
52.5°	135.0
55°	108.3
57.5°	84.6
60°	65.0
62.5°	48.9
65°	36.3
67.5°	26.7
70°	19.1
72.5°	14.6
75°	10.6
77.5°	8.1
80°	6.0
82.5°	4.5
85°	3.5
87.5°	2.0
90°	0.0

(END OF REPORT)