

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: P364591

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
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-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1111.0 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

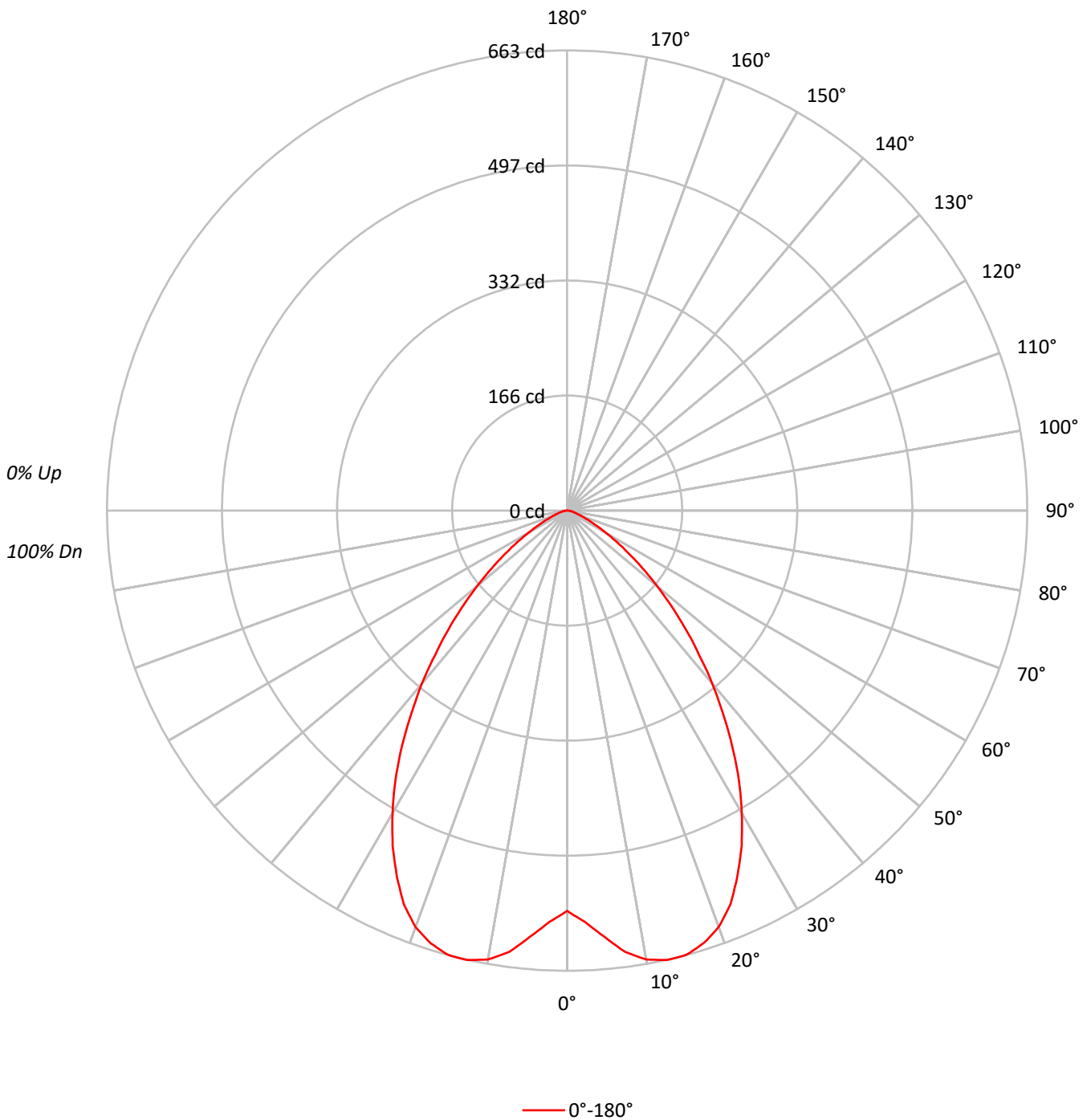
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41293
5°	44311
10°	47746
15°	49132
20°	48659
25°	45878
30°	41596
35°	36275
40°	30415
45°	24475
50°	18848
55°	13707
60°	9308
65°	6150
70°	3999
75°	3071
80°	2680
85°	3286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	5.4
10°-20°	185.9	16.7
20°-30°	265.5	23.9
30°-40°	258.3	23.2
40°-50°	186.8	16.8
50°-60°	100.2	9.0
60°-70°	37.8	3.4
70°-80°	12.4	1.1
80°-90°	3.9	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°	511.6	46.1
0°-40°	769.9	69.3
0°-60°	1056.9	95.1
0°-90°	1111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1111.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	577	
5°	616	60
15°	663	186
25°	581	265
35°	415	258
45°	242	187
55°	110	100
65°	36	38
75°	11	12
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	576.7
2.5°	593.3
5°	616.5
7.5°	641.6
10°	656.7
12.5°	663.3
15°	662.8
17.5°	653.7
20°	638.6
22.5°	614.4
25°	580.7
27.5°	544.4
30°	503.1
32.5°	460.8
35°	415.0
37.5°	368.7
40°	325.4
42.5°	281.0
45°	241.7
47.5°	203.5
50°	169.2
52.5°	137.5
55°	109.8
57.5°	86.1
60°	65.0
62.5°	48.9
65°	36.3
67.5°	26.2
70°	19.1
72.5°	14.6
75°	11.1
77.5°	8.6
80°	6.5
82.5°	5.0
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)