

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: P364554

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1132.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

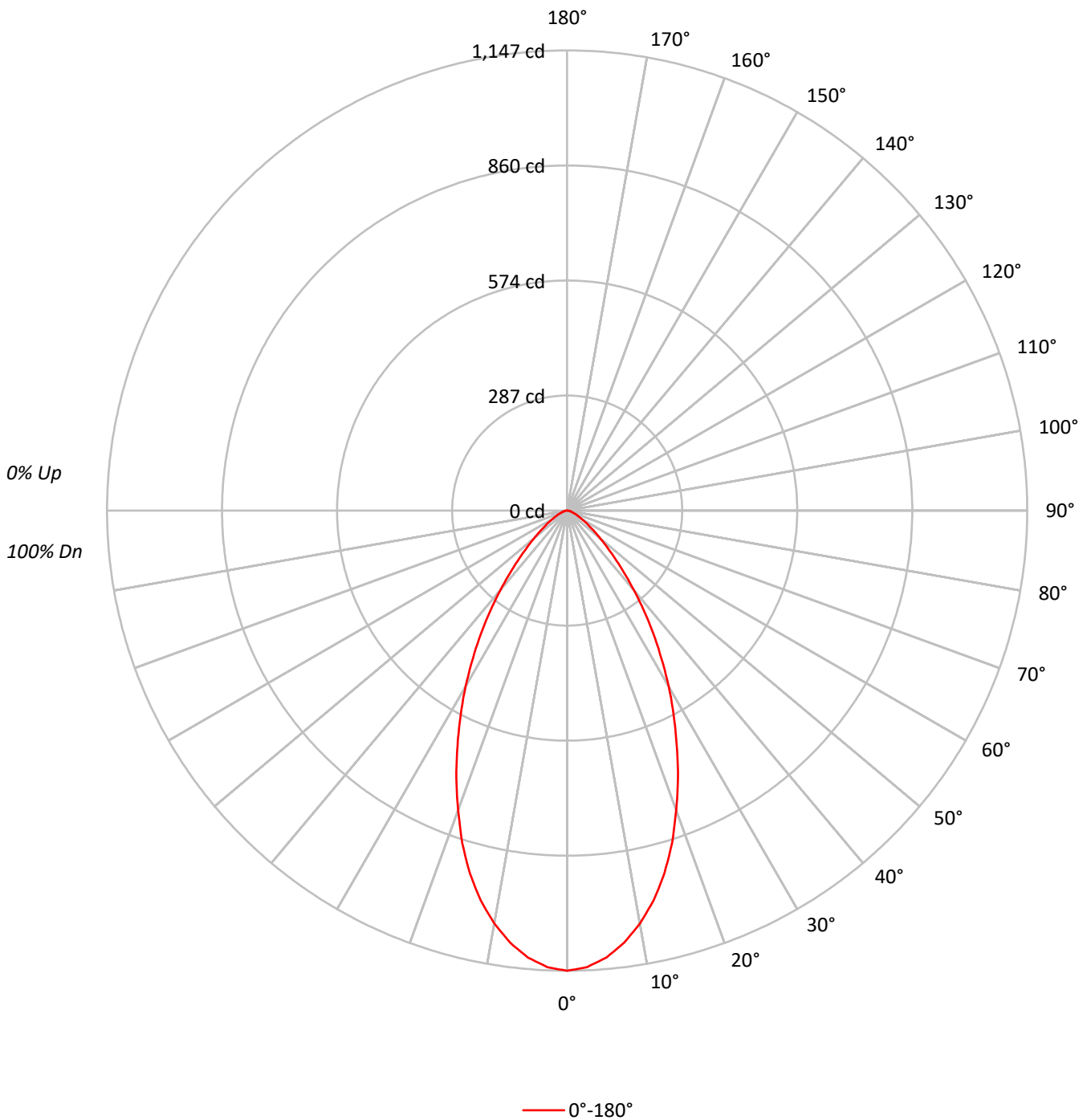
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82134
5°	80378
10°	75978
15°	69384
20°	60516
25°	51084
30°	41868
35°	32726
40°	24124
45°	16971
50°	11975
55°	8476
60°	6015
65°	4473
70°	3475
75°	2849
80°	2639
85°	2793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	9.2
10°-20°	260.0	23.0
20°-30°	296.2	26.2
30°-40°	233.8	20.7
40°-50°	132.9	11.7
50°-60°	62.7	5.5
60°-70°	27.1	2.4
70°-80°	11.3	1.0
80°-90°	3.7	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°	660.6	58.4
0°-40°	894.4	79.0
0°-60°	1089.9	96.3
0°-90°	1132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1132.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1147	
5°	1118	104
15°	936	260
25°	647	296
35°	374	234
45°	168	133
55°	68	63
65°	26	27
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1147.1
2.5°	1138.8
5°	1118.3
7.5°	1086.5
10°	1045.0
12.5°	995.1
15°	936.0
17.5°	869.0
20°	794.2
22.5°	721.9
25°	646.6
27.5°	574.8
30°	506.4
32.5°	437.0
35°	374.4
37.5°	314.3
40°	258.1
42.5°	210.2
45°	167.6
47.5°	133.9
50°	107.5
52.5°	85.5
55°	67.9
57.5°	53.8
60°	42.0
62.5°	33.2
65°	26.4
67.5°	21.0
70°	16.6
72.5°	13.2
75°	10.3
77.5°	7.8
80°	6.4
82.5°	4.9
85°	3.4
87.5°	2.0
90°	0.0

(END OF REPORT)