

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: P364597

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1105.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

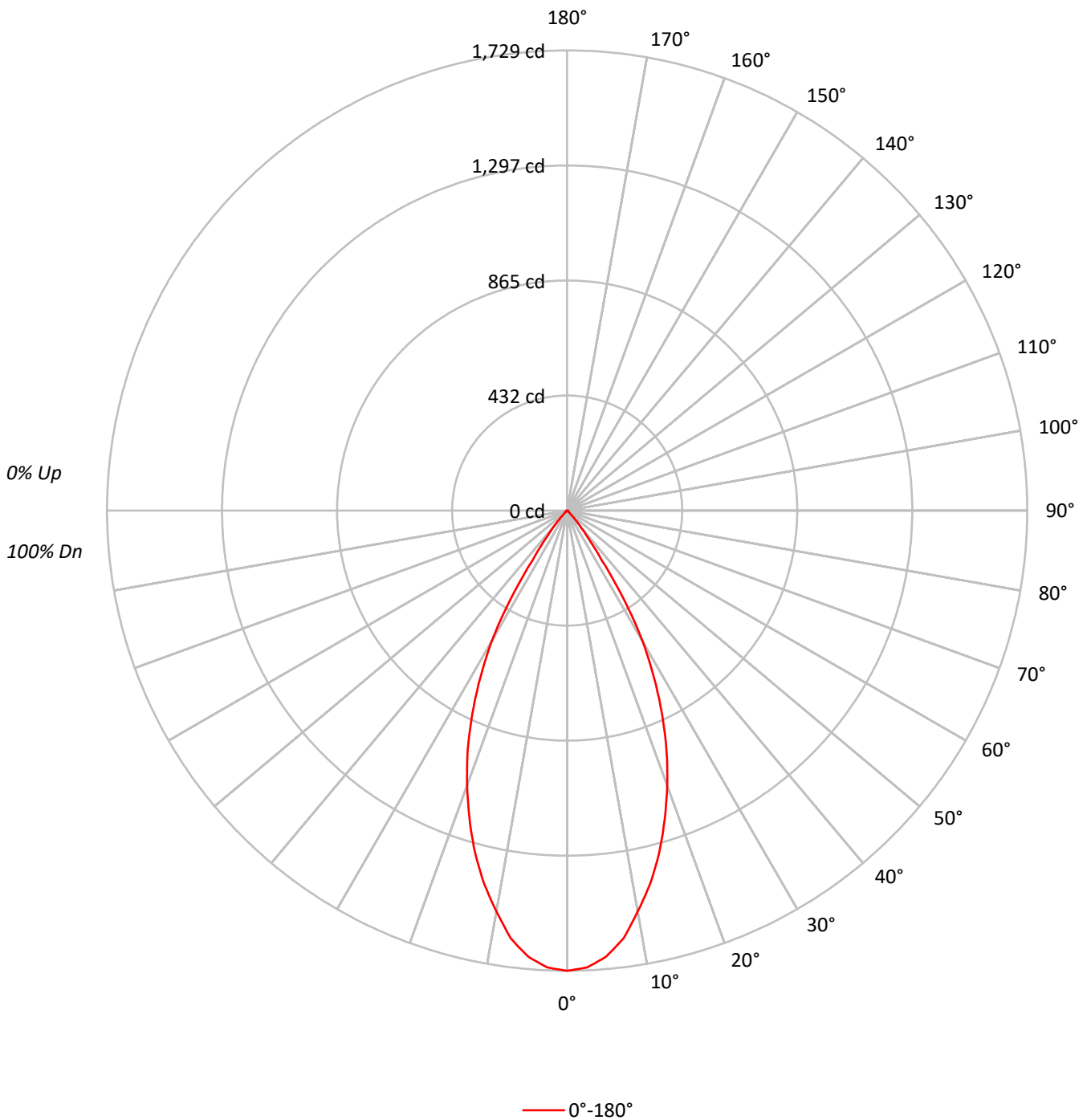
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123814
5°	120937
10°	111161
15°	98931
20°	83794
25°	66632
30°	46846
35°	19554
40°	6749
45°	1742
50°	880
55°	811
60°	802
65°	796
70°	775
75°	1024
80°	1155
85°	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	14.1
10°-20°	369.7	33.5
20°-30°	381.5	34.5
30°-40°	162.3	14.7
40°-50°	19.5	1.8
50°-60°	5.9	0.5
60°-70°	4.6	0.4
70°-80°	3.7	0.3
80°-90°	2.2	0.2
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°	906.9	82.1
0°-40°	1069.2	96.8
0°-60°	1094.5	99.1
0°-90°	1105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1105.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1729	
5°	1683	156
15°	1335	370
25°	843	381
35°	224	162
45°	17	19
55°	6	6
65°	5	5
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1729.2
2.5°	1718.1
5°	1682.6
7.5°	1621.1
10°	1528.9
12.5°	1438.0
15°	1334.6
17.5°	1218.1
20°	1099.7
22.5°	976.2
25°	843.4
27.5°	706.4
30°	566.6
32.5°	401.7
35°	223.7
37.5°	128.6
40°	72.2
42.5°	37.3
45°	17.2
47.5°	9.3
50°	7.9
52.5°	7.0
55°	6.5
57.5°	6.1
60°	5.6
62.5°	5.1
65°	4.7
67.5°	4.2
70°	3.7
72.5°	3.7
75°	3.7
77.5°	3.3
80°	2.8
82.5°	2.8
85°	2.3
87.5°	1.4
90°	0.0

(END OF REPORT)