

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: P364453

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364453
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: FLD6BX10D010-FEU6B12-8027-F6LBXVM1-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 754.0 lumens
Efficiency: N/A
Efficacy: 75.4 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

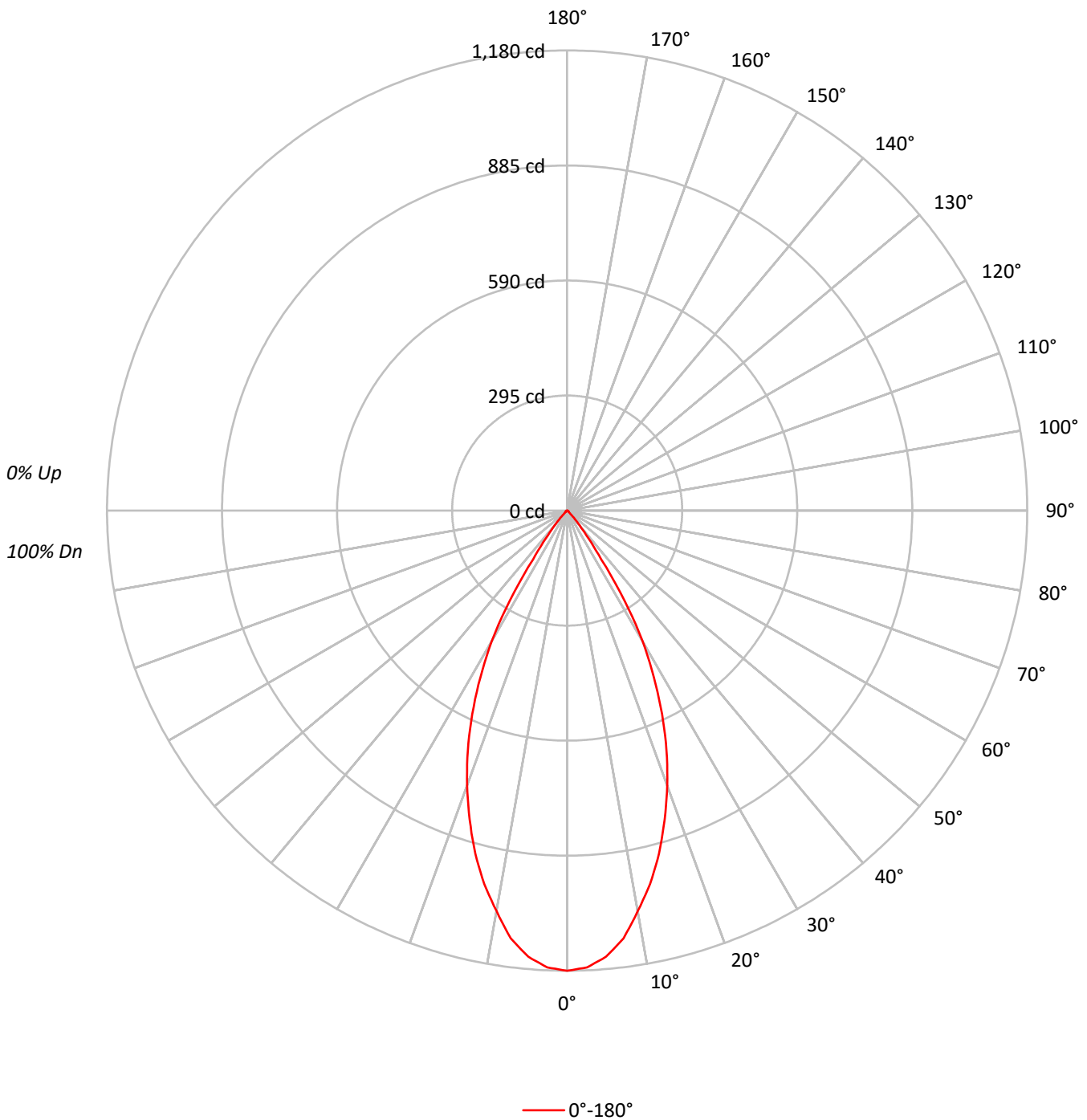
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	84490
5°	82527
10°	75847
15°	67501
20°	57178
25°	45467
30°	31964
35°	13339
40°	4608
45°	1195
50°	602
55°	562
60°	544
65°	542
70°	523
75°	692
80°	783
85°	1314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	14.1
10°-20°	252.2	33.5
20°-30°	260.3	34.5
30°-40°	110.7	14.7
40°-50°	13.3	1.8
50°-60°	4.0	0.5
60°-70°	3.2	0.4
70°-80°	2.5	0.3
80°-90°	1.5	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°	618.8	82.1
0°-40°	729.5	96.8
0°-60°	746.9	99.1
0°-90°	754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1180	
5°	1148	106
15°	911	252
25°	576	260
35°	153	111
45°	12	13
55°	4	4
65°	3	3
75°	2	2
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1180.0
2.5°	1172.3
5°	1148.2
7.5°	1106.2
10°	1043.2
12.5°	981.2
15°	910.6
17.5°	831.1
20°	750.4
22.5°	666.1
25°	575.5
27.5°	482.0
30°	386.6
32.5°	274.1
35°	152.6
37.5°	87.8
40°	49.3
42.5°	25.4
45°	11.8
47.5°	6.4
50°	5.4
52.5°	4.8
55°	4.5
57.5°	4.1
60°	3.8
62.5°	3.5
65°	3.2
67.5°	2.9
70°	2.5
72.5°	2.5
75°	2.5
77.5°	2.2
80°	1.9
82.5°	1.9
85°	1.6
87.5°	1.0
90°	0.0

(END OF REPORT)