

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: P364509

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 856.0 lumens
Efficiency: N/A
Efficacy: 85.6 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

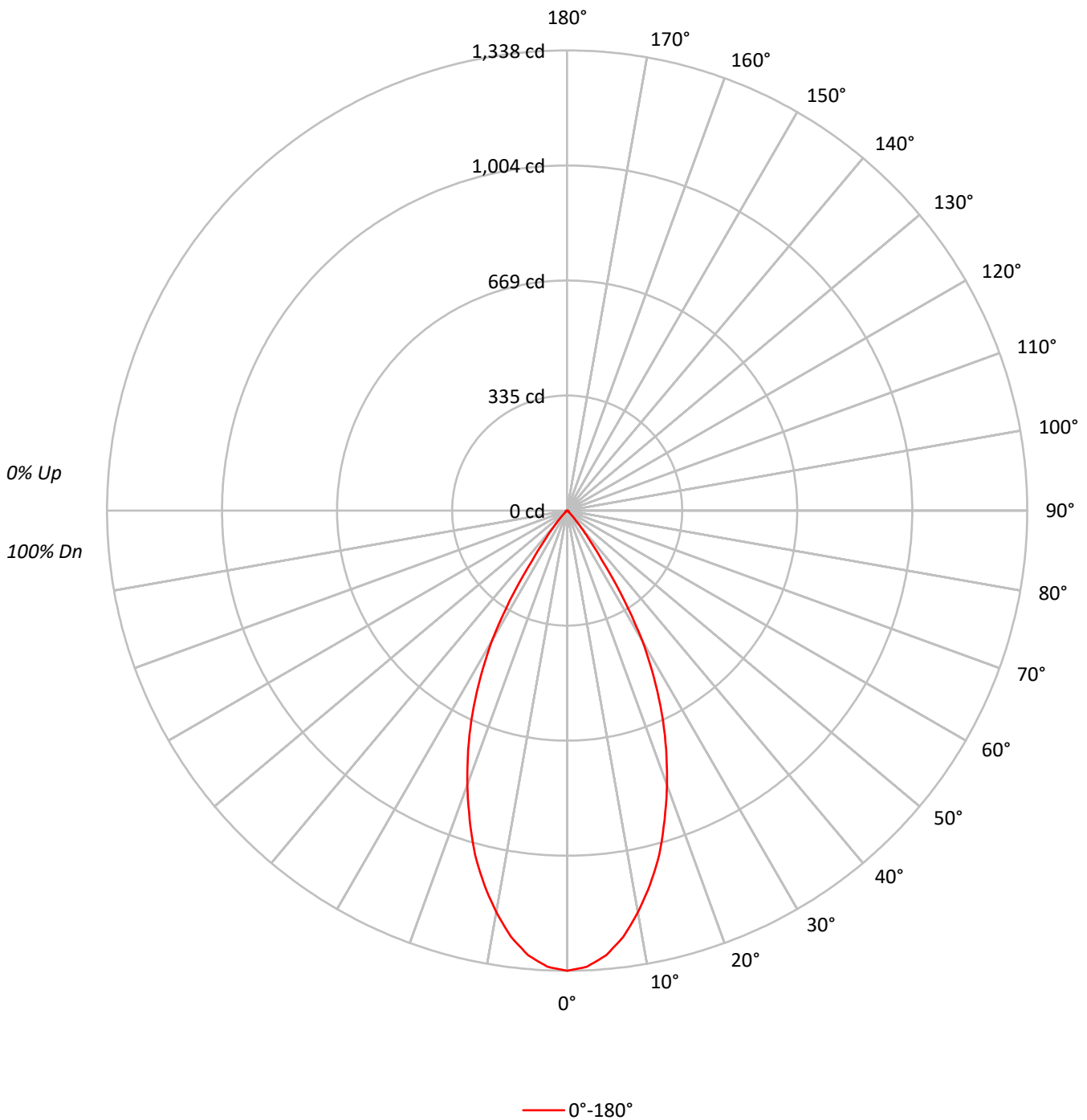
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88
3	104	98	93	90	102	96	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	78
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		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
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°	95810
5°	93280
10°	86223
15°	76759
20°	64646
25°	51511
30°	36081
35°	15288
40°	5337
45°	1458
50°	746
55°	699
60°	687
65°	627
70°	628
75°	830
80°	1072
85°	1561



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	14.1
10°-20°	286.3	33.4
20°-30°	294.5	34.4
30°-40°	125.8	14.7
40°-50°	15.7	1.8
50°-60°	5.0	0.6
60°-70°	3.7	0.4
70°-80°	3.0	0.4
80°-90°	1.8	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°	701.1	81.9
0°-40°	826.8	96.6
0°-60°	847.5	99.0
0°-90°	856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1338	
5°	1298	120
15°	1036	286
25°	652	294
35°	175	126
45°	14	16
55°	6	5
65°	4	4
75°	3	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1338.1
2.5°	1327.4
5°	1297.8
7.5°	1250.3
10°	1185.9
12.5°	1114.0
15°	1035.5
17.5°	942.1
20°	848.4
22.5°	752.1
25°	652.0
27.5°	546.4
30°	436.4
32.5°	310.1
35°	174.9
37.5°	100.0
40°	57.1
42.5°	29.6
45°	14.4
47.5°	7.8
50°	6.7
52.5°	5.9
55°	5.6
57.5°	5.2
60°	4.8
62.5°	4.1
65°	3.7
67.5°	3.3
70°	3.0
72.5°	3.0
75°	3.0
77.5°	2.6
80°	2.6
82.5°	2.2
85°	1.9
87.5°	1.1
90°	0.0

(END OF REPORT)