

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: P364524

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 840.0 lumens
Efficiency: N/A
Efficacy: 84.0 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

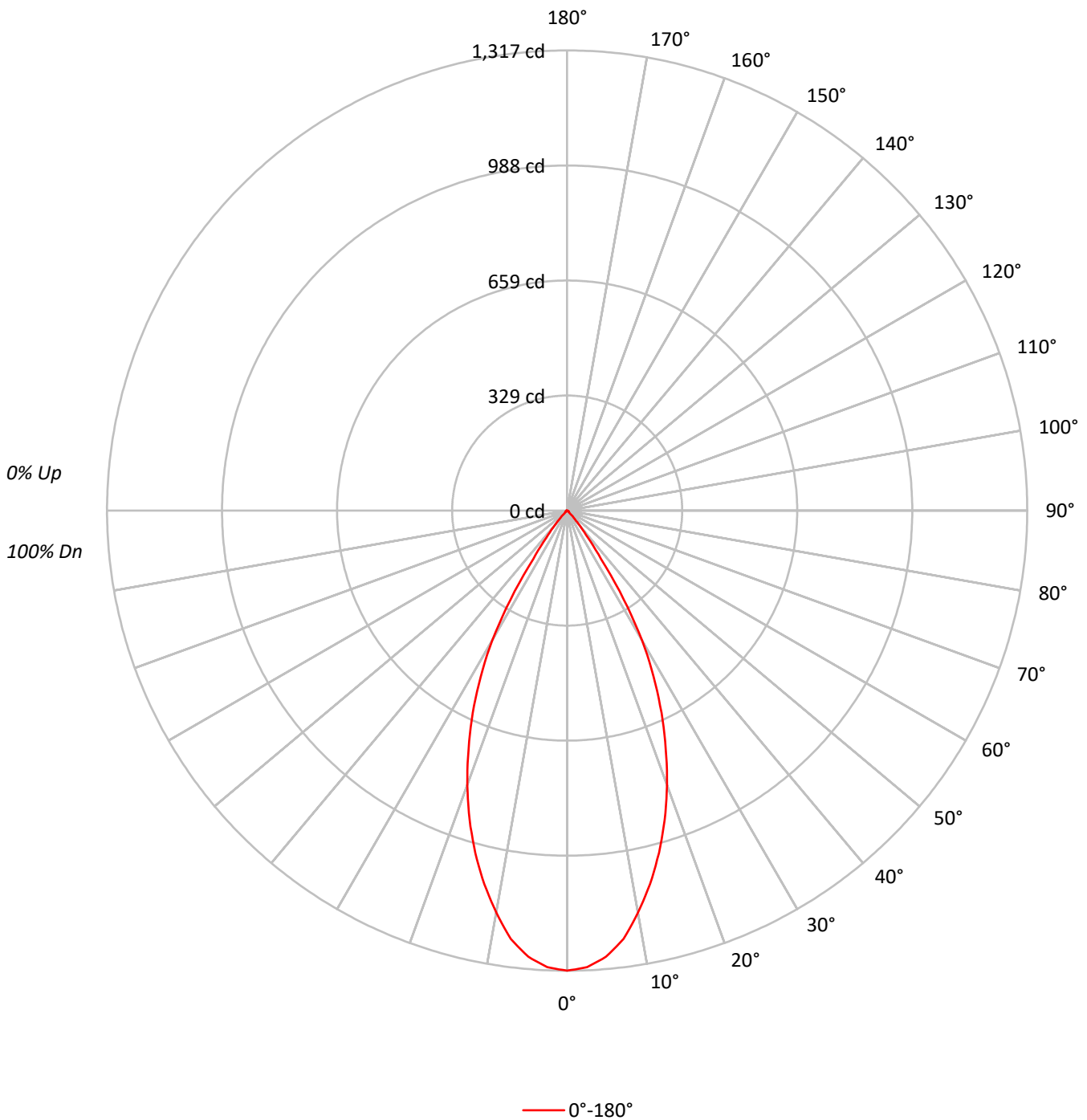
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		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°	94278
5°	92130
10°	84936
15°	75225
20°	63693
25°	50460
30°	35461
35°	14772
40°	5066
45°	1357
50°	746
55°	699
60°	644
65°	627
70°	628
75°	719
80°	907
85°	1561



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	14.1
10°-20°	281.5	33.5
20°-30°	289.0	34.4
30°-40°	122.4	14.6
40°-50°	15.1	1.8
50°-60°	5.0	0.6
60°-70°	3.7	0.4
70°-80°	2.9	0.3
80°-90°	1.7	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°	689.4	82.1
0°-40°	811.8	96.6
0°-60°	831.8	99.0
0°-90°	840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1317	
5°	1282	119
15°	1015	282
25°	639	289
35°	169	122
45°	13	15
55°	6	5
65°	4	4
75°	3	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1316.7
2.5°	1308.2
5°	1281.8
7.5°	1236.5
10°	1168.2
12.5°	1095.4
15°	1014.8
17.5°	928.3
20°	835.9
22.5°	737.5
25°	638.7
27.5°	536.6
30°	428.9
32.5°	302.3
35°	169.0
37.5°	96.9
40°	54.2
42.5°	28.6
45°	13.4
47.5°	7.8
50°	6.7
52.5°	5.9
55°	5.6
57.5°	5.2
60°	4.5
62.5°	4.1
65°	3.7
67.5°	3.3
70°	3.0
72.5°	3.0
75°	2.6
77.5°	2.6
80°	2.2
82.5°	2.2
85°	1.9
87.5°	1.1
90°	0.0

(END OF REPORT)