

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: P365911

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 773.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

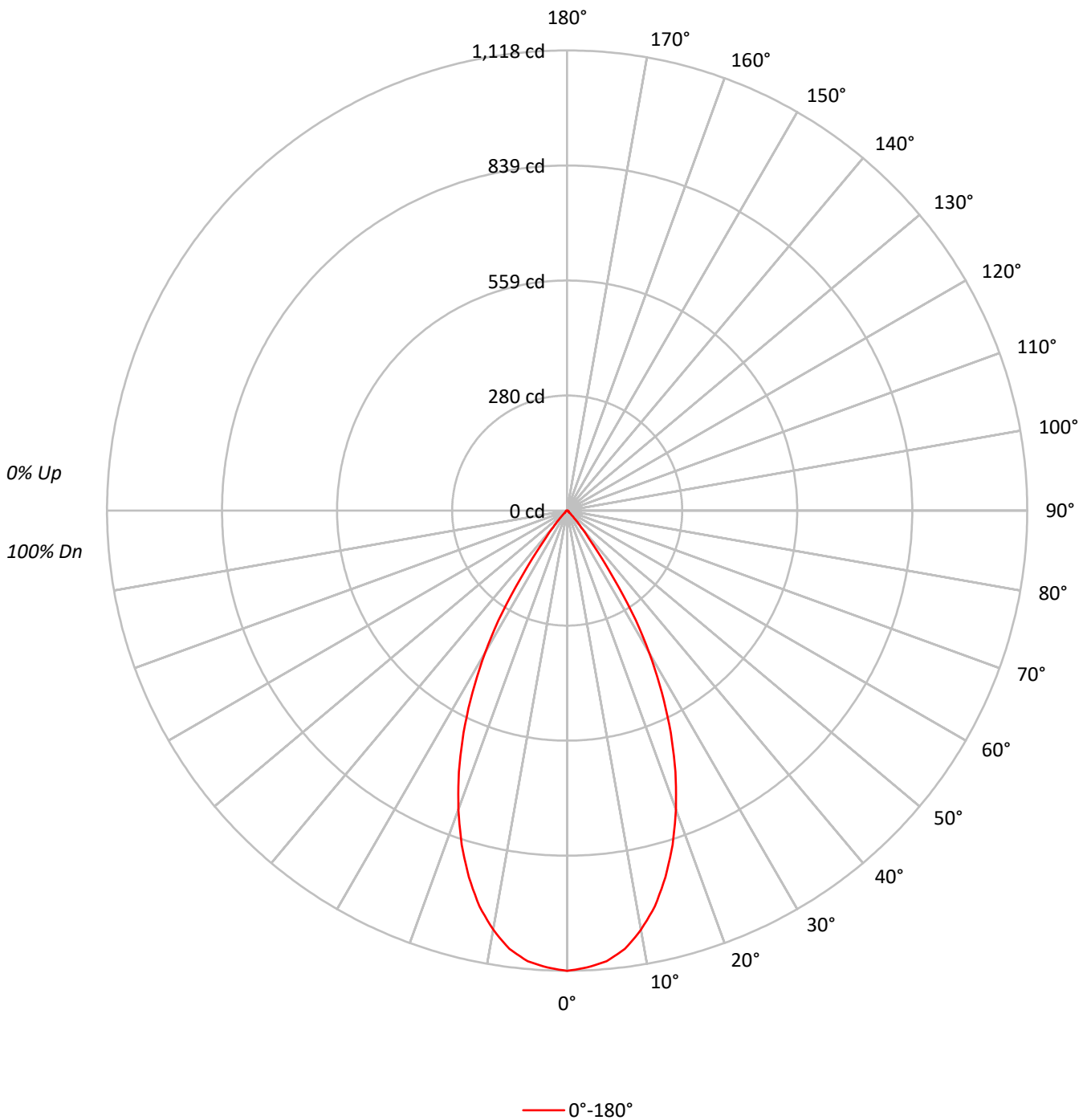
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80072
5°	78991
10°	75186
15°	68353
20°	58855
25°	47047
30°	32989
35°	15349
40°	4851
45°	1519
50°	668
55°	624
60°	573
65°	508
70°	565
75°	636
80°	825
85°	1397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	13.3
10°-20°	255.7	33.1
20°-30°	268.8	34.8
30°-40°	119.2	15.4
40°-50°	14.9	1.9
50°-60°	4.5	0.6
60°-70°	3.2	0.4
70°-80°	2.4	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°	627.3	81.2
0°-40°	746.6	96.6
0°-60°	766.0	99.1
0°-90°	773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1118	
5°	1099	103
15°	922	256
25°	596	269
35°	176	119
45°	15	15
55°	5	4
65°	3	3
75°	2	2
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1118.3
2.5°	1111.0
5°	1099.0
7.5°	1074.4
10°	1034.1
12.5°	984.9
15°	922.1
17.5°	851.3
20°	772.4
22.5°	687.0
25°	595.5
27.5°	498.4
30°	399.0
32.5°	293.6
35°	175.6
37.5°	93.4
40°	51.9
42.5°	28.3
45°	15.0
47.5°	7.3
50°	6.0
52.5°	5.3
55°	5.0
57.5°	4.7
60°	4.0
62.5°	3.7
65°	3.0
67.5°	2.7
70°	2.7
72.5°	2.3
75°	2.3
77.5°	2.3
80°	2.0
82.5°	1.7
85°	1.7
87.5°	1.0
90°	0.0

(END OF REPORT)