

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: P365945

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-WMH-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 793.0 lumens
Efficiency: N/A
Efficacy: 79.3 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

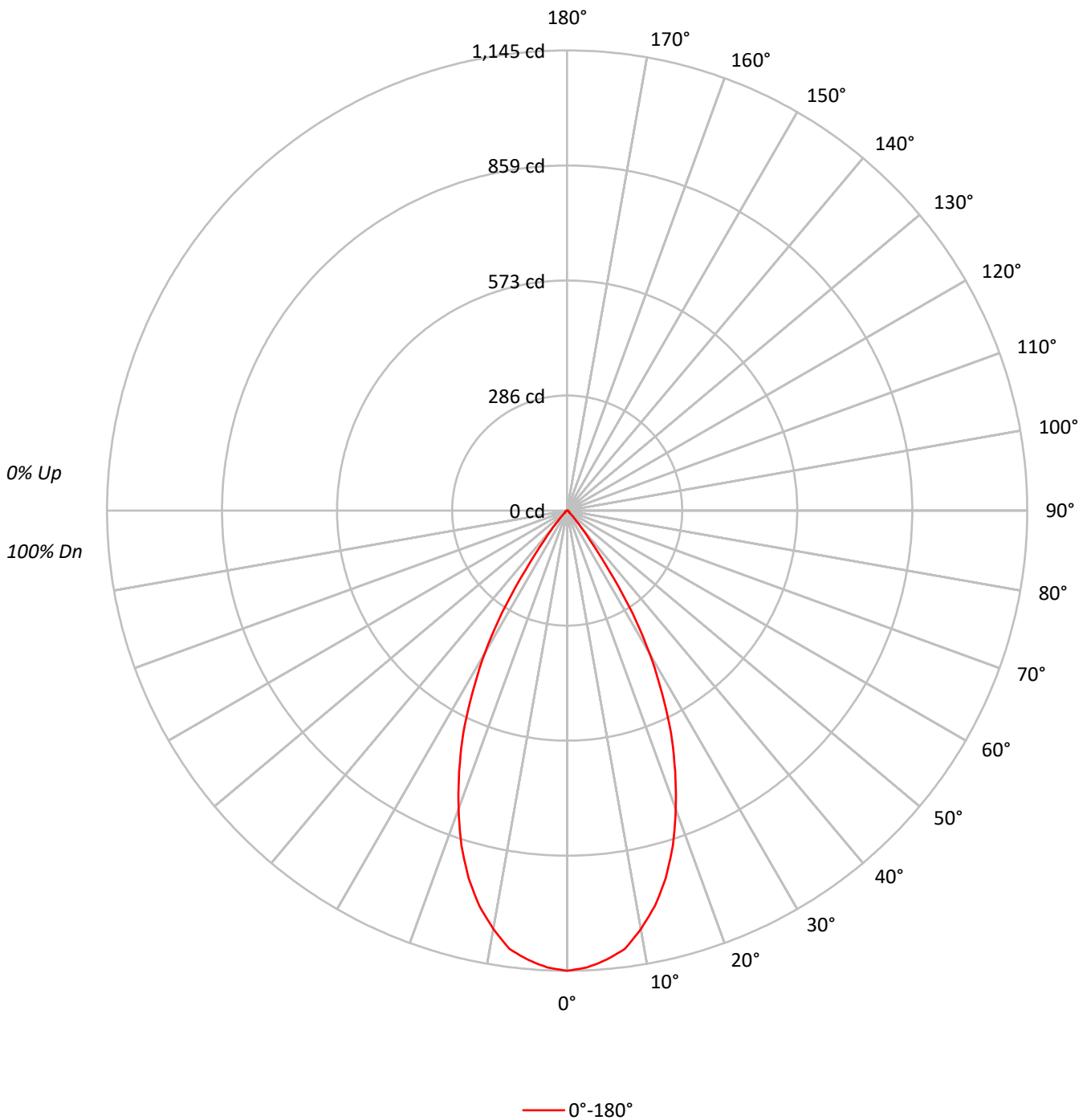
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	84	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		73	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	64	61	78	69	64	61	69	64	60		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°	81991
5°	80637
10°	76836
15°	70206
20°	60211
25°	48311
30°	33873
35°	15646
40°	5019
45°	1620
50°	757
55°	662
60°	659
65°	610
70°	586
75°	692
80°	866
85°	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	13.3
10°-20°	262.1	33.1
20°-30°	275.3	34.7
30°-40°	122.1	15.4
40°-50°	15.8	2.0
50°-60°	4.9	0.6
60°-70°	3.5	0.4
70°-80°	2.5	0.3
80°-90°	1.6	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°	642.6	81.0
0°-40°	764.7	96.4
0°-60°	785.4	99.0
0°-90°	793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	793.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1145	
5°	1122	105
15°	947	262
25°	612	275
35°	179	122
45°	16	16
55°	5	5
65°	4	3
75°	2	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1145.1
2.5°	1137.9
5°	1121.9
7.5°	1100.2
10°	1056.8
12.5°	1008.0
15°	947.1
17.5°	874.2
20°	790.2
22.5°	701.9
25°	611.5
27.5°	510.1
30°	409.7
32.5°	301.1
35°	179.0
37.5°	95.4
40°	53.7
42.5°	29.5
45°	16.0
47.5°	8.2
50°	6.8
52.5°	6.1
55°	5.3
57.5°	5.0
60°	4.6
62.5°	3.9
65°	3.6
67.5°	2.8
70°	2.8
72.5°	2.5
75°	2.5
77.5°	2.1
80°	2.1
82.5°	1.8
85°	1.8
87.5°	1.1
90°	0.0

(END OF REPORT)