

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: P366120

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1571.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

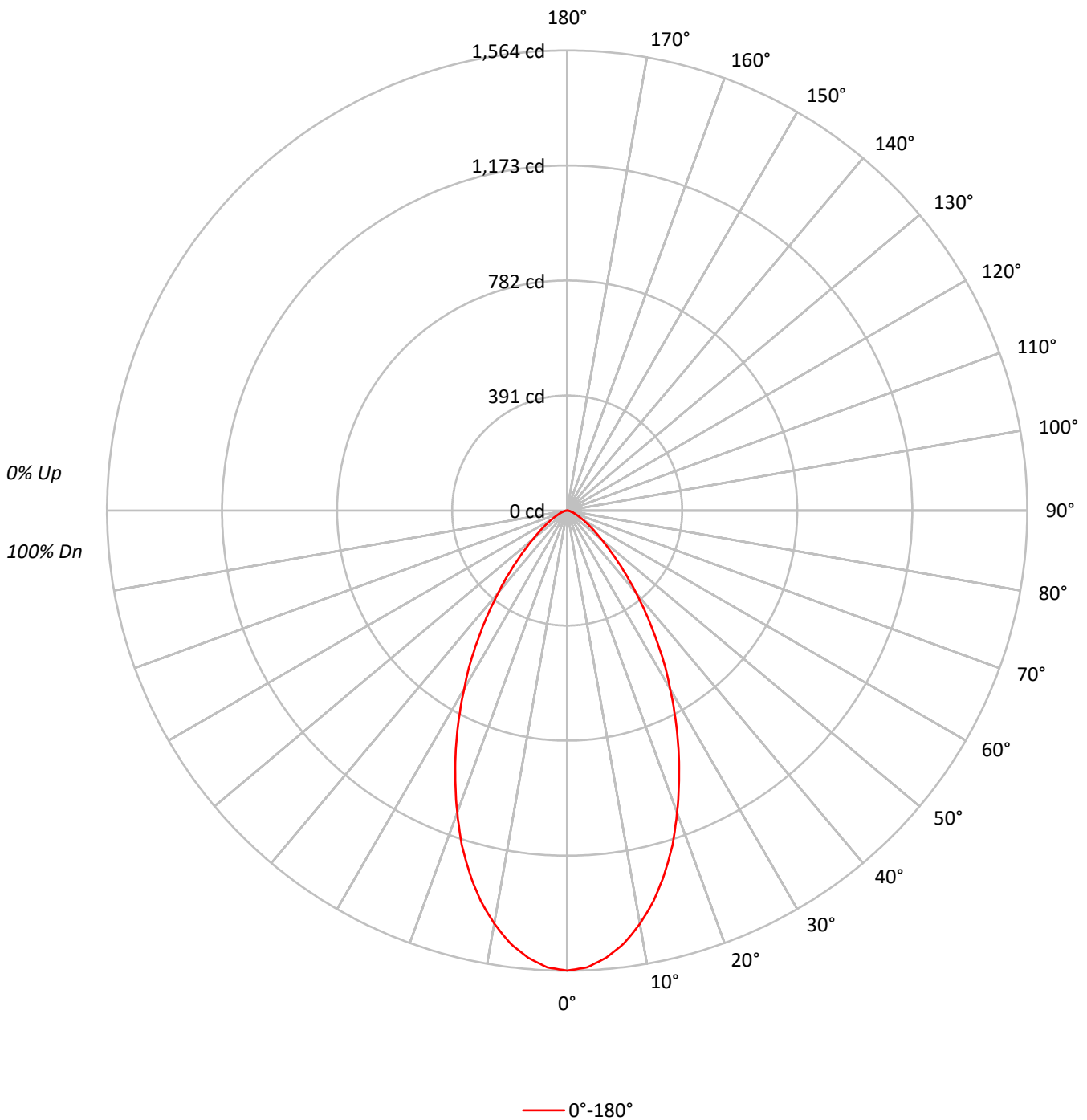
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111964
5°	109653
10°	103665
15°	94750
20°	83238
25°	70748
30°	57883
35°	45558
40°	33948
45°	24070
50°	16987
55°	12196
60°	8735
65°	6336
70°	4941
75°	4039
80°	3422
85°	3450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.5	9.1
10°-20°	355.7	22.6
20°-30°	409.1	26.0
30°-40°	326.4	20.8
40°-50°	188.2	12.0
50°-60°	89.7	5.7
60°-70°	38.8	2.5
70°-80°	15.9	1.0
80°-90°	4.7	0.3
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°	907.3	57.8
0°-40°	1233.7	78.5
0°-60°	1511.5	96.2
0°-90°	1571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1571.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1564	
5°	1526	142
15°	1278	356
25°	896	409
35°	521	326
45°	238	188
55°	98	90
65°	37	39
75°	15	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1563.7
2.5°	1554.0
5°	1525.6
7.5°	1483.3
10°	1425.8
12.5°	1358.6
15°	1278.2
17.5°	1190.8
20°	1092.4
22.5°	993.3
25°	895.5
27.5°	796.4
30°	700.1
32.5°	612.0
35°	521.2
37.5°	440.1
40°	363.2
42.5°	297.4
45°	237.7
47.5°	190.6
50°	152.5
52.5°	122.0
55°	97.7
57.5°	76.9
60°	61.0
62.5°	47.8
65°	37.4
67.5°	29.8
70°	23.6
72.5°	18.7
75°	14.6
77.5°	11.1
80°	8.3
82.5°	6.2
85°	4.2
87.5°	2.8
90°	0.0

(END OF REPORT)