

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: P366104

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366104
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1474.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

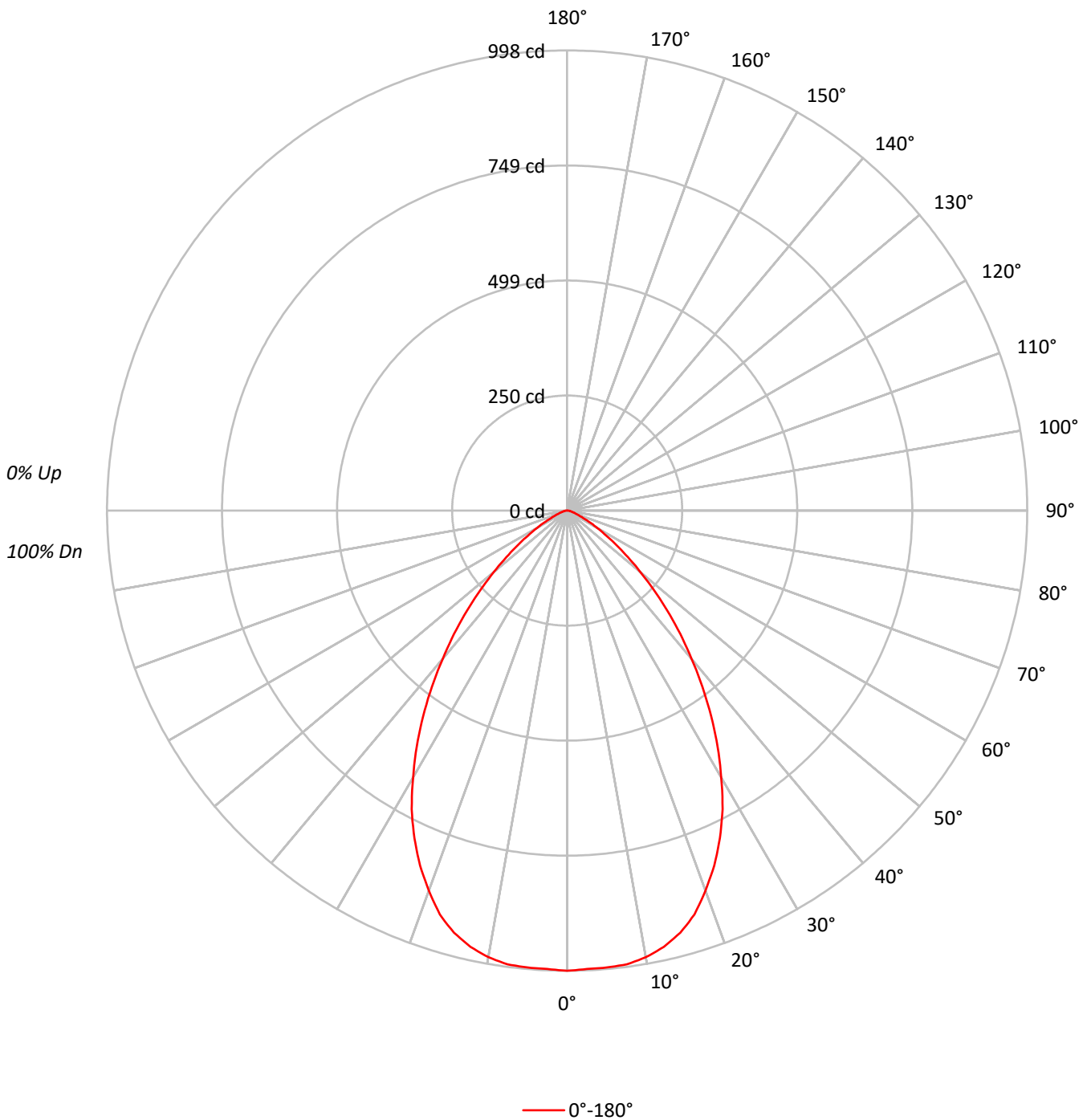
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71459
5°	71487
10°	71514
15°	70266
20°	66840
25°	61931
30°	55271
35°	47577
40°	39267
45°	31067
50°	23092
55°	16278
60°	10812
65°	6624
70°	4313
75°	3237
80°	2845
85°	3368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	6.4
10°-20°	265.4	18.0
20°-30°	358.3	24.3
30°-40°	339.0	23.0
40°-50°	237.6	16.1
50°-60°	119.6	8.1
60°-70°	42.2	2.9
70°-80°	13.2	0.9
80°-90°	4.1	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°	718.3	48.7
0°-40°	1057.3	71.7
0°-60°	1414.4	96.0
0°-90°	1474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	998	
5°	995	95
15°	948	265
25°	784	358
35°	544	339
45°	307	238
55°	130	120
65°	39	42
75°	12	13
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	998.0
2.5°	995.3
5°	994.6
7.5°	992.5
10°	983.6
12.5°	969.2
15°	947.9
17.5°	918.4
20°	877.2
22.5°	833.3
25°	783.9
27.5°	730.3
30°	668.5
32.5°	607.5
35°	544.3
37.5°	481.8
40°	420.1
42.5°	363.1
45°	306.8
47.5°	255.3
50°	207.3
52.5°	166.1
55°	130.4
57.5°	100.2
60°	75.5
62.5°	55.6
65°	39.1
67.5°	28.8
70°	20.6
72.5°	15.8
75°	11.7
77.5°	8.9
80°	6.9
82.5°	5.5
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)