

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: P365367

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1195.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

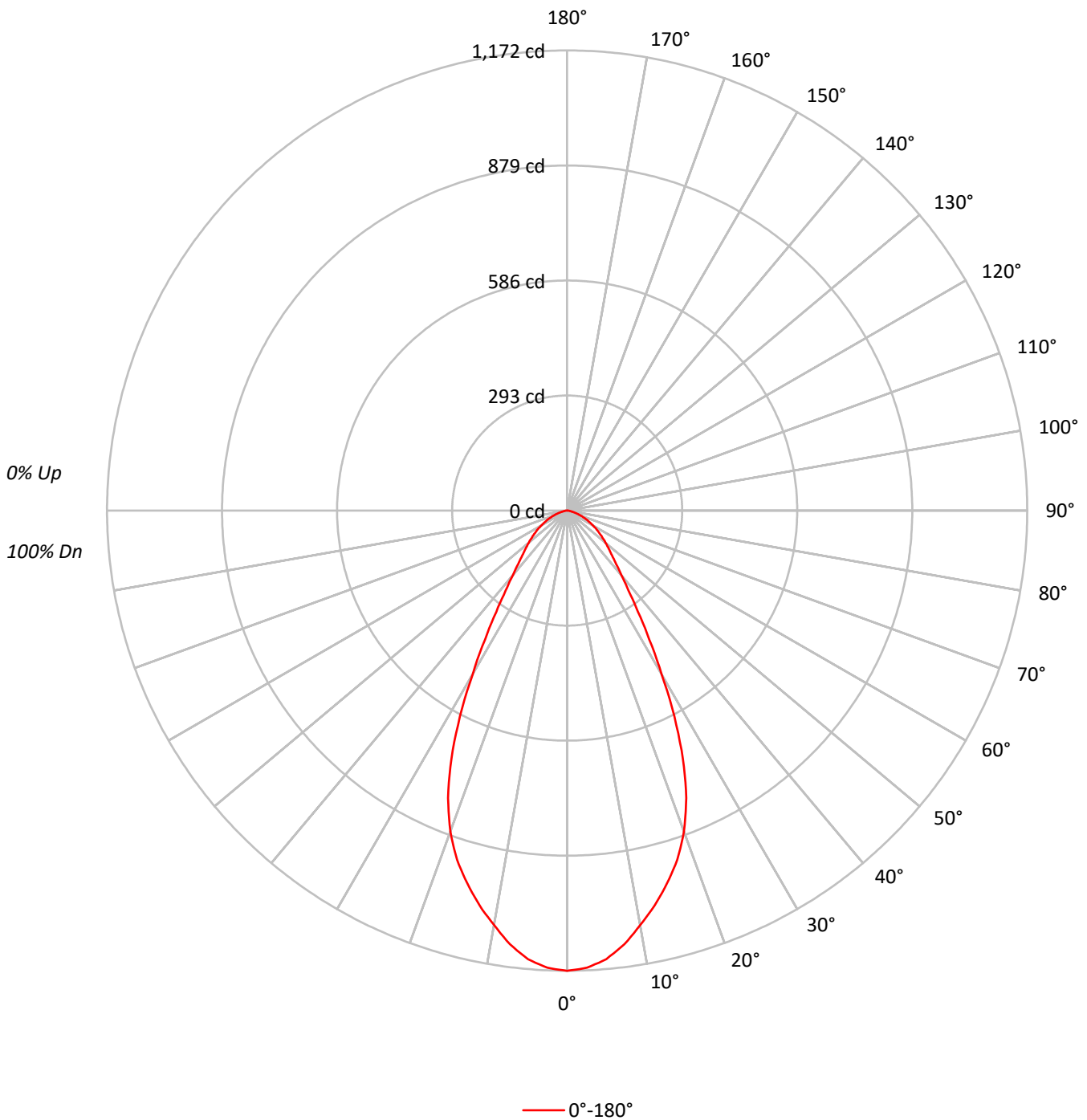
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83932
5°	82419
10°	77941
15°	72882
20°	66261
25°	55153
30°	39810
35°	27508
40°	20115
45°	16343
50°	14236
55°	12508
60°	10883
65°	9234
70°	7453
75°	5201
80°	3340
85°	3861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	9.0
10°-20°	274.7	23.0
20°-30°	313.8	26.3
30°-40°	202.4	16.9
40°-50°	127.1	10.6
50°-60°	90.1	7.5
60°-70°	54.3	4.5
70°-80°	21.0	1.8
80°-90°	4.6	0.4
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°	695.5	58.2
0°-40°	897.9	75.1
0°-60°	1115.1	93.3
0°-90°	1195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1195.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1172	
5°	1147	107
15°	983	275
25°	698	314
35°	315	202
45°	161	127
55°	100	90
65°	54	54
75°	19	21
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1172.2
2.5°	1165.5
5°	1146.7
7.5°	1114.4
10°	1072.0
12.5°	1030.3
15°	983.2
17.5°	932.8
20°	869.6
22.5°	792.9
25°	698.1
27.5°	591.1
30°	481.5
32.5°	389.4
35°	314.7
37.5°	256.9
40°	215.2
42.5°	184.9
45°	161.4
47.5°	143.2
50°	127.8
52.5°	113.7
55°	100.2
57.5°	88.1
60°	76.0
62.5°	65.2
65°	54.5
67.5°	44.4
70°	35.6
72.5°	26.2
75°	18.8
77.5°	12.8
80°	8.1
82.5°	5.4
85°	4.7
87.5°	2.7
90°	0.0

(END OF REPORT)