

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: P365387

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1173.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

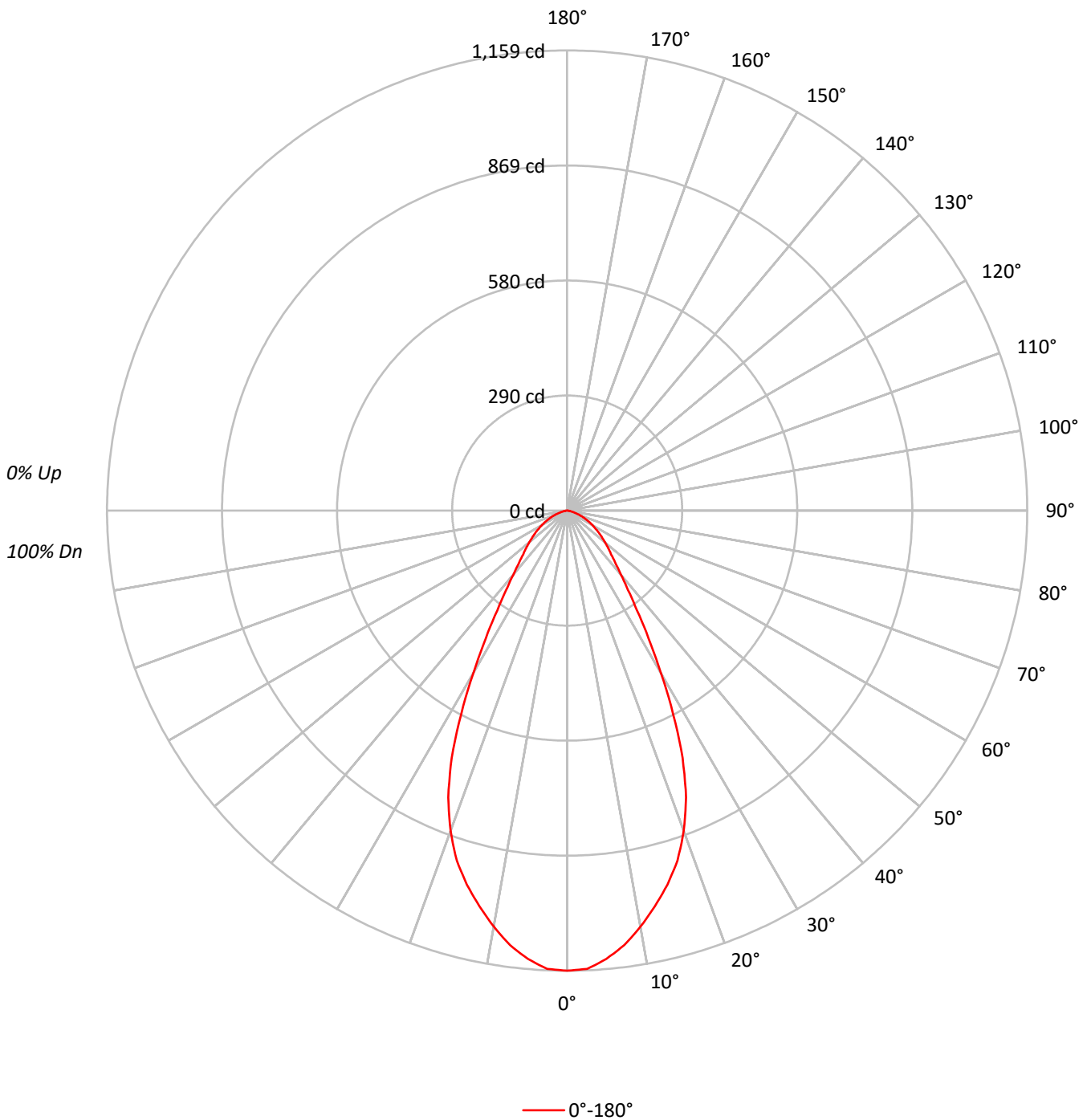
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82972
5°	81464
10°	77367
15°	72312
20°	65438
25°	54347
30°	38991
35°	26765
40°	19703
45°	15918
50°	13846
55°	12171
60°	10525
65°	8963
70°	7034
75°	4924
80°	3134
85°	3368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	9.0
10°-20°	272.2	23.2
20°-30°	308.7	26.3
30°-40°	197.9	16.9
40°-50°	124.0	10.6
50°-60°	87.5	7.5
60°-70°	52.6	4.5
70°-80°	20.1	1.7
80°-90°	4.0	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°	687.0	58.6
0°-40°	884.9	75.4
0°-60°	1096.4	93.5
0°-90°	1173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1173.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1159	
5°	1133	106
15°	976	272
25°	688	309
35°	306	198
45°	157	124
55°	98	87
65°	53	53
75°	18	20
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1158.8
2.5°	1155.4
5°	1133.4
7.5°	1103.9
10°	1064.1
12.5°	1020.8
15°	975.5
17.5°	924.0
20°	858.8
22.5°	782.6
25°	687.9
27.5°	578.7
30°	471.6
32.5°	381.0
35°	306.2
37.5°	251.9
40°	210.8
42.5°	180.5
45°	157.2
47.5°	140.0
50°	124.3
52.5°	110.5
55°	97.5
57.5°	85.1
60°	73.5
62.5°	63.2
65°	52.9
67.5°	43.2
70°	33.6
72.5°	25.4
75°	17.8
77.5°	12.4
80°	7.6
82.5°	4.8
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)