

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: P365352

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1119.9 lumens
Efficiency: N/A
Efficacy: 55.2 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

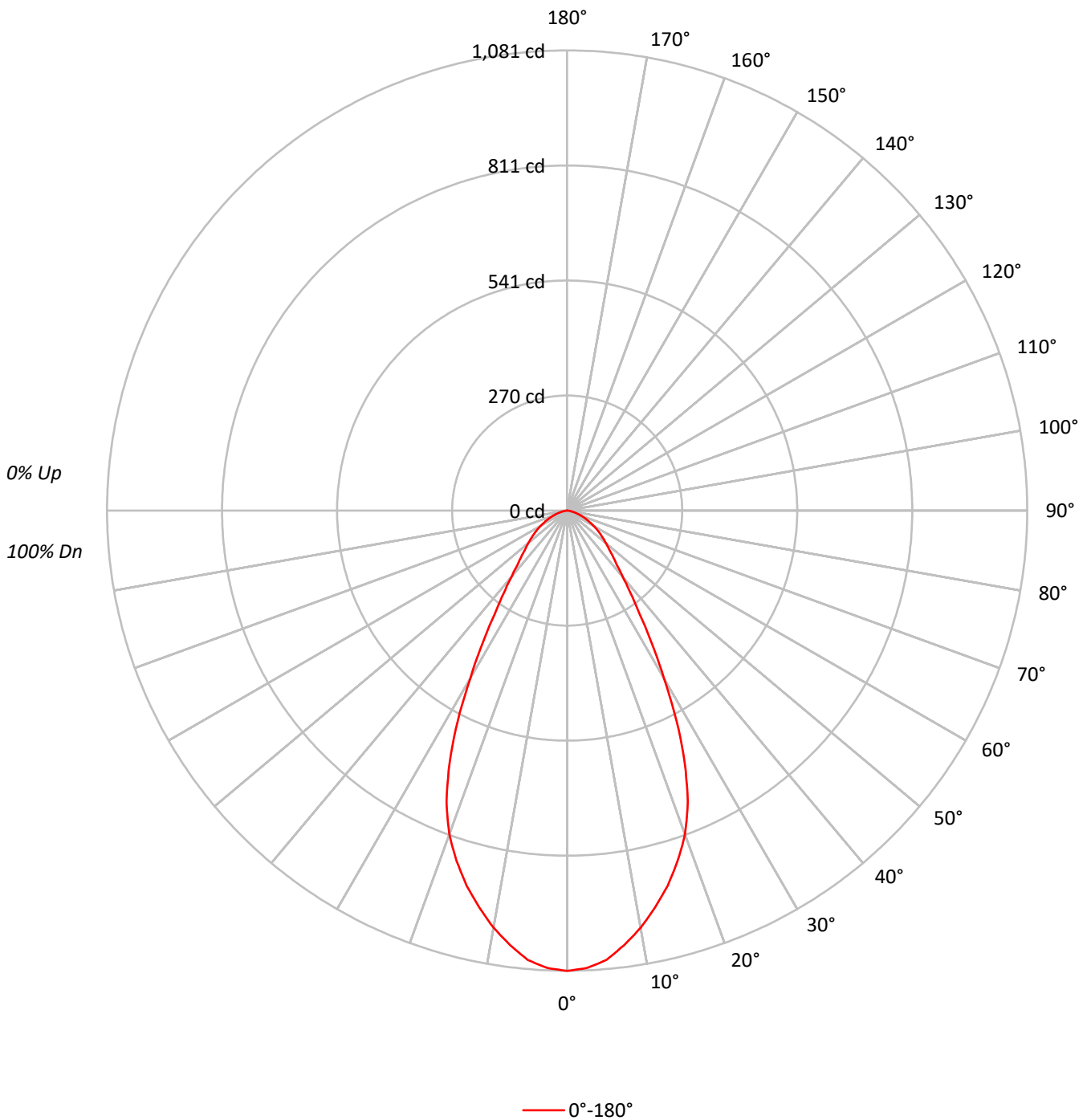
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77423
5°	76145
10°	72343
15°	67604
20°	61689
25°	51645
30°	37594
35°	26004
40°	19021
45°	15321
50°	13267
55°	11734
60°	10239
65°	8725
70°	7139
75°	5339
80°	3711
85°	3204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	8.8
10°-20°	254.7	22.7
20°-30°	294.0	26.3
30°-40°	191.7	17.1
40°-50°	119.0	10.6
50°-60°	84.5	7.5
60°-70°	51.4	4.6
70°-80°	21.3	1.9
80°-90°	4.4	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°	647.7	57.8
0°-40°	839.4	75.0
0°-60°	1042.9	93.1
0°-90°	1119.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1119.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1081	
5°	1059	99
15°	912	255
25°	654	294
35°	298	192
45°	151	119
55°	94	85
65°	52	51
75°	19	21
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1081.3
2.5°	1075.5
5°	1059.4
7.5°	1029.2
10°	995.0
12.5°	954.5
15°	912.0
17.5°	863.0
20°	809.6
22.5°	740.6
25°	653.7
27.5°	556.4
30°	454.7
32.5°	369.7
35°	297.5
37.5°	244.1
40°	203.5
42.5°	173.2
45°	151.3
47.5°	133.3
50°	119.1
52.5°	106.3
55°	94.0
57.5°	83.1
60°	71.5
62.5°	61.2
65°	51.5
67.5°	42.5
70°	34.1
72.5°	26.4
75°	19.3
77.5°	13.5
80°	9.0
82.5°	5.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)