

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: P365384

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1107.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

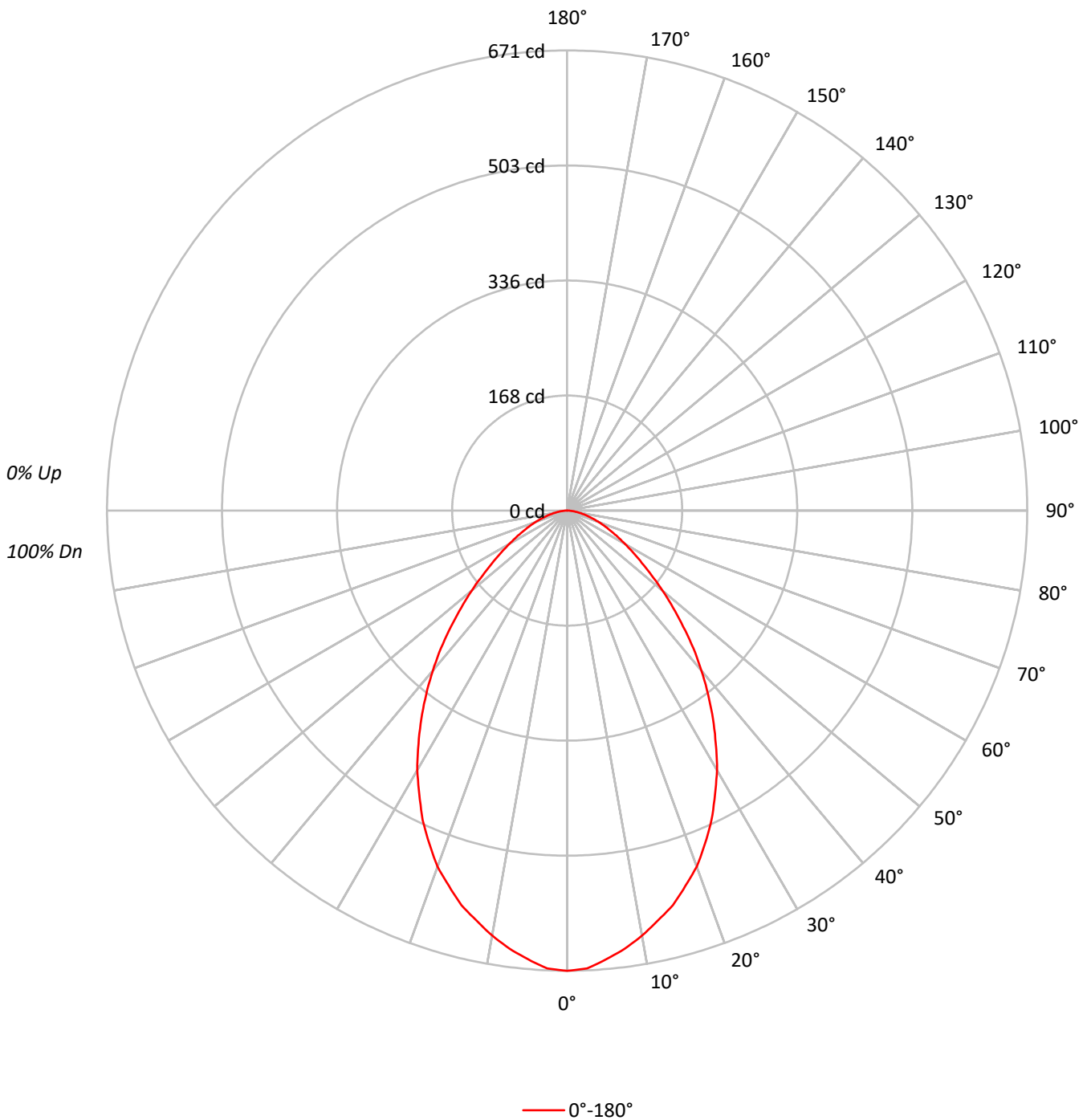
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48052
5°	47201
10°	45754
15°	44150
20°	42091
25°	39360
30°	36139
35°	32394
40°	28480
45°	24252
50°	20251
55°	16615
60°	13948
65°	11860
70°	10342
75°	8742
80°	7092
85°	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	5.6
10°-20°	167.0	15.1
20°-30°	228.1	20.6
30°-40°	231.2	20.9
40°-50°	185.4	16.7
50°-60°	120.8	10.9
60°-70°	70.5	6.4
70°-80°	33.9	3.1
80°-90°	8.1	0.7
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°	457.0	41.3
0°-40°	688.2	62.2
0°-60°	994.4	89.8
0°-90°	1107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	671	
5°	657	62
15°	596	167
25°	498	228
35°	371	231
45°	240	185
55°	133	121
65°	70	71
75°	32	34
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	671.1
2.5°	668.4
5°	656.7
7.5°	644.4
10°	629.3
12.5°	612.1
15°	595.6
17.5°	573.7
20°	552.4
22.5°	525.6
25°	498.2
27.5°	466.6
30°	437.1
32.5°	403.5
35°	370.6
37.5°	337.6
40°	304.7
42.5°	272.4
45°	239.5
47.5°	209.3
50°	181.8
52.5°	155.1
55°	133.1
57.5°	113.9
60°	97.4
62.5°	83.0
65°	70.0
67.5°	59.0
70°	49.4
72.5°	39.8
75°	31.6
77.5°	24.0
80°	17.2
82.5°	11.7
85°	6.9
87.5°	2.7
90°	0.0

(END OF REPORT)