

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: P365420

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365420
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-FEU6B12-8050-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: 1146.0 lumens
Efficiency: N/A
Efficacy: 56.5 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

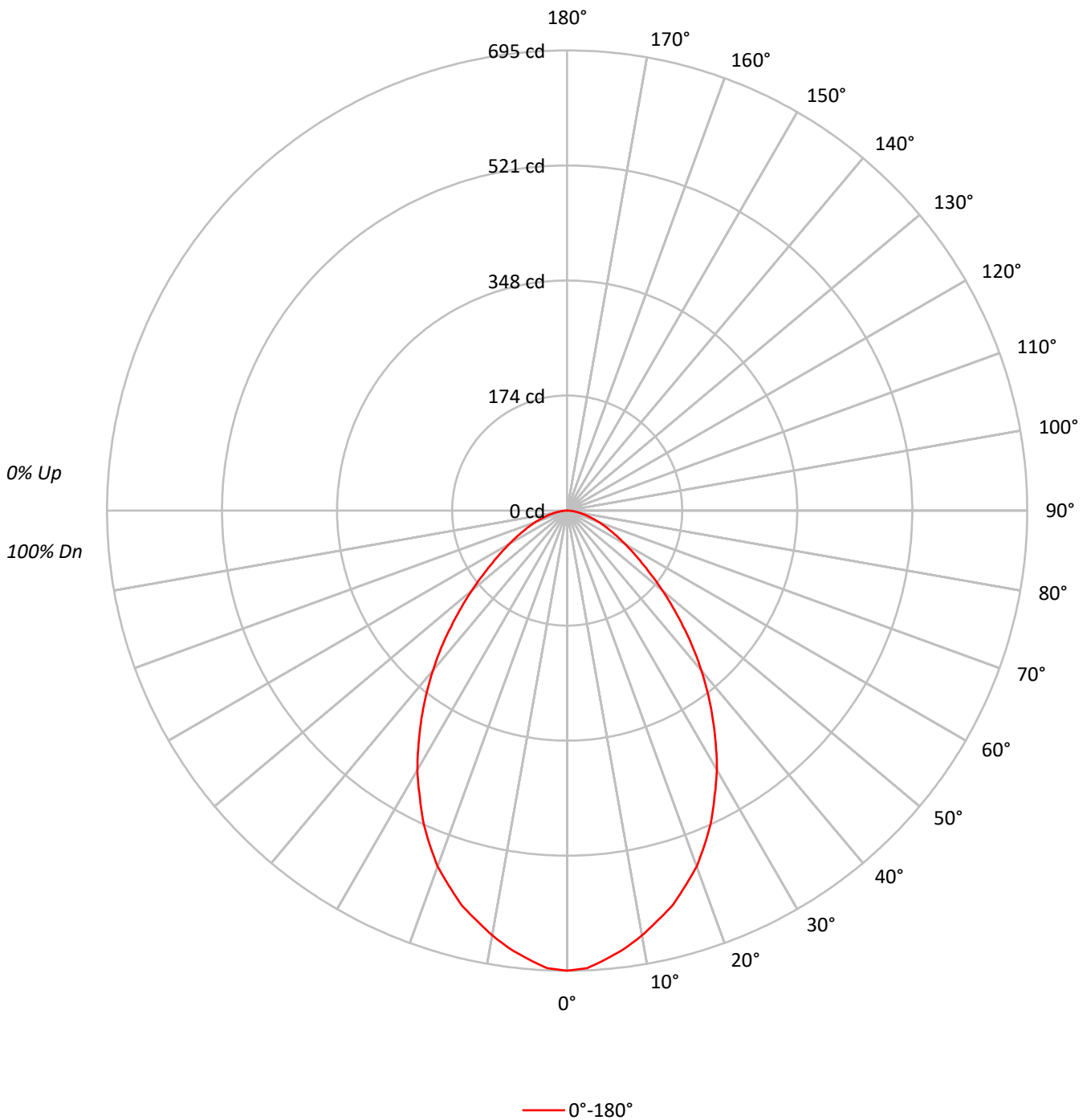
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	49749
5°	48861
10°	47361
15°	45707
20°	43577
25°	40742
30°	37412
35°	33530
40°	29480
45°	25102
50°	20975
55°	17202
60°	14449
65°	12283
70°	10698
75°	9046
80°	7340
85°	5833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	5.6
10°-20°	172.9	15.1
20°-30°	236.2	20.6
30°-40°	239.4	20.9
40°-50°	192.0	16.7
50°-60°	125.0	10.9
60°-70°	73.0	6.4
70°-80°	35.1	3.1
80°-90°	8.4	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°	473.1	41.3
0°-40°	712.5	62.2
0°-60°	1029.5	89.8
0°-90°	1146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	695	
5°	680	64
15°	617	173
25°	516	236
35°	384	239
45°	248	192
55°	138	125
65°	72	73
75°	33	35
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	694.8
2.5°	691.9
5°	679.8
7.5°	667.1
10°	651.4
12.5°	633.7
15°	616.6
17.5°	593.9
20°	571.9
22.5°	544.2
25°	515.7
27.5°	483.1
30°	452.5
32.5°	417.7
35°	383.6
37.5°	349.5
40°	315.4
42.5°	282.0
45°	247.9
47.5°	216.7
50°	188.3
52.5°	160.5
55°	137.8
57.5°	117.9
60°	100.9
62.5°	86.0
65°	72.5
67.5°	61.1
70°	51.1
72.5°	41.2
75°	32.7
77.5°	24.9
80°	17.8
82.5°	12.1
85°	7.1
87.5°	2.8
90°	0.0

(END OF REPORT)