

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: P365346

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1116.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

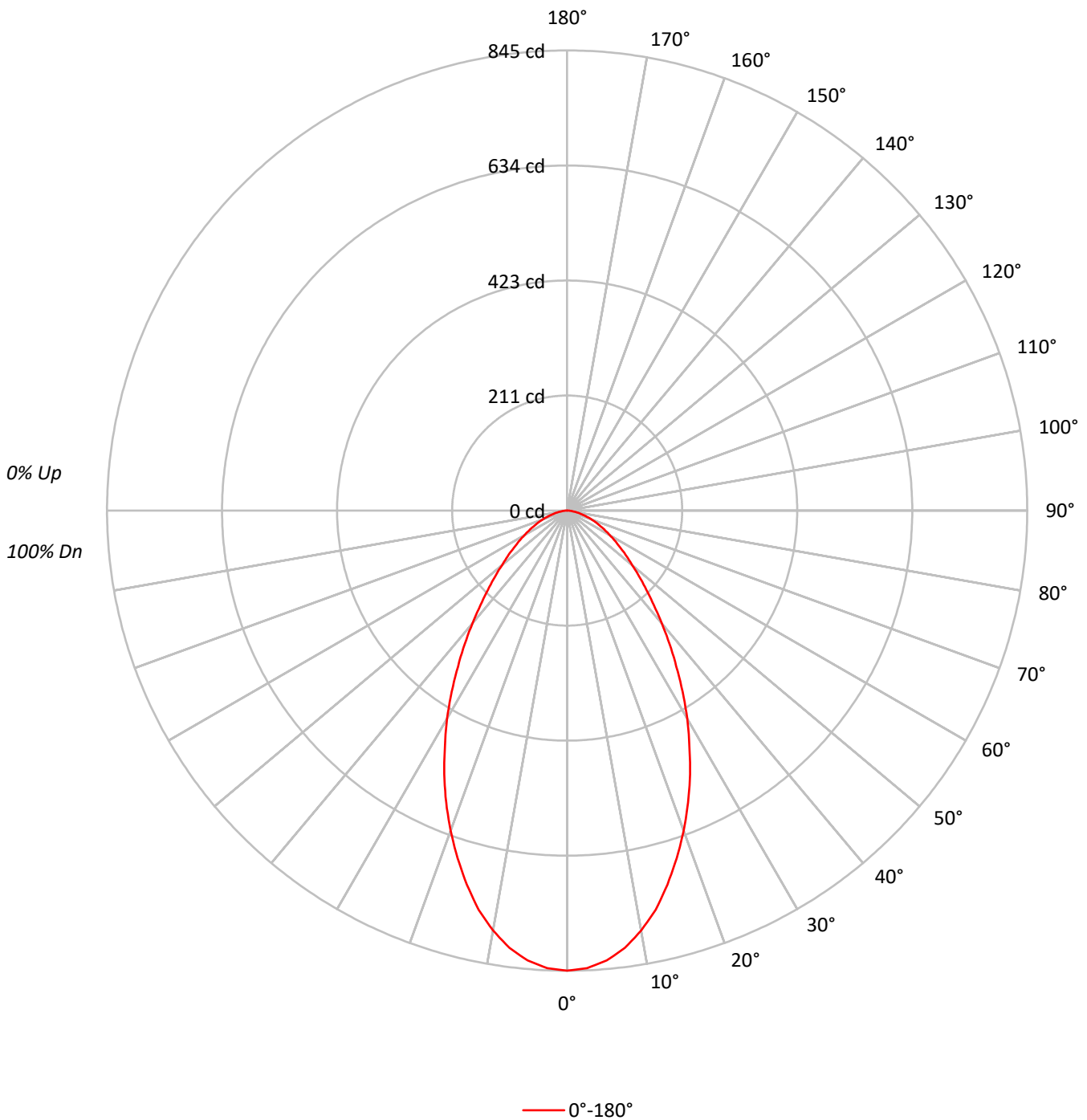
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	109	105	102	100	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60489
5°	59613
10°	56929
15°	52705
20°	47654
25°	42188
30°	36437
35°	30541
40°	25255
45°	20849
50°	17422
55°	14943
60°	12989
65°	11453
70°	9965
75°	8355
80°	6886
85°	5258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	7.0
10°-20°	198.6	17.8
20°-30°	244.3	21.9
30°-40°	219.0	19.6
40°-50°	160.3	14.4
50°-60°	108.4	9.7
60°-70°	67.4	6.0
70°-80°	32.5	2.9
80°-90°	7.7	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°	520.6	46.7
0°-40°	739.7	66.3
0°-60°	1008.4	90.4
0°-90°	1116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1116.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	845	
5°	829	78
15°	711	199
25°	534	244
35°	349	219
45°	206	160
55°	120	108
65°	68	67
75°	30	33
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	844.8
2.5°	841.0
5°	829.4
7.5°	810.1
10°	783.0
12.5°	750.9
15°	711.0
17.5°	669.2
20°	625.4
22.5°	580.4
25°	534.0
27.5°	485.8
30°	440.7
32.5°	394.4
35°	349.4
37.5°	308.8
40°	270.2
42.5°	235.5
45°	205.9
47.5°	179.5
50°	156.4
52.5°	137.7
55°	119.7
57.5°	104.9
60°	90.7
62.5°	78.5
65°	67.6
67.5°	57.3
70°	47.6
72.5°	38.6
75°	30.2
77.5°	22.5
80°	16.7
82.5°	10.9
85°	6.4
87.5°	2.6
90°	0.0

(END OF REPORT)