

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: P366121

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1487.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

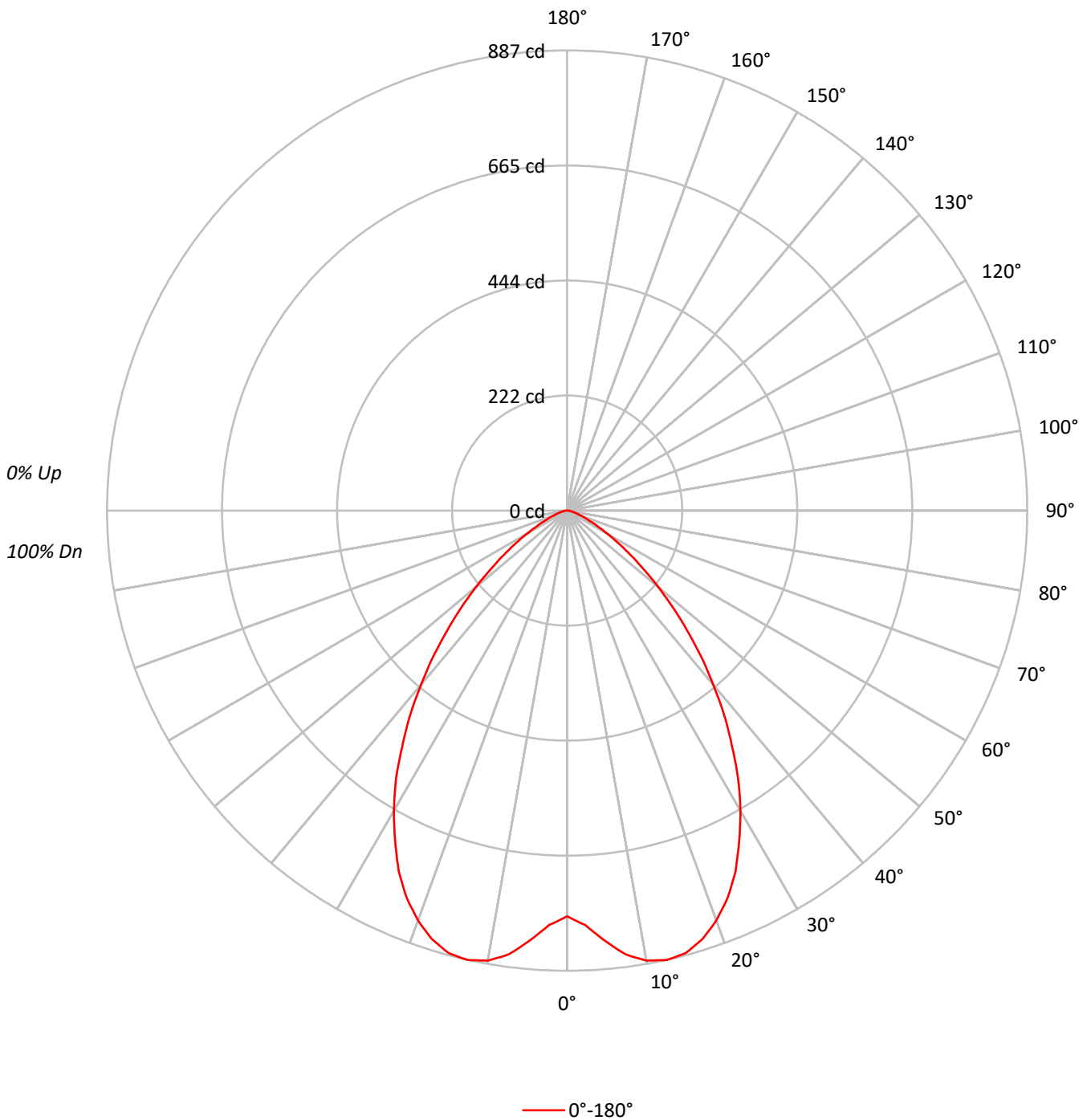
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55978
5°	59829
10°	64047
15°	65455
20°	64059
25°	60667
30°	55229
35°	48442
40°	40912
45°	33082
50°	25498
55°	18613
60°	12817
65°	8454
70°	5527
75°	4039
80°	3422
85°	4026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	5.4
10°-20°	247.3	16.6
20°-30°	350.4	23.6
30°-40°	345.6	23.2
40°-50°	253.3	17.0
50°-60°	135.8	9.1
60°-70°	52.2	3.5
70°-80°	16.6	1.1
80°-90°	4.9	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°	678.6	45.6
0°-40°	1024.2	68.9
0°-60°	1413.3	95.0
0°-90°	1487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1487.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	782	
5°	832	81
15°	883	247
25°	768	350
35°	554	346
45°	327	253
55°	149	136
65°	50	52
75°	15	17
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	781.8
2.5°	799.8
5°	832.4
7.5°	862.9
10°	880.9
12.5°	887.2
15°	883.0
17.5°	866.4
20°	840.7
22.5°	808.1
25°	767.9
27.5°	717.9
30°	668.0
32.5°	613.9
35°	554.2
37.5°	497.4
40°	437.7
42.5°	382.9
45°	326.7
47.5°	276.8
50°	228.9
52.5°	185.9
55°	149.1
57.5°	116.5
60°	89.5
62.5°	67.3
65°	49.9
67.5°	36.8
70°	26.4
72.5°	20.1
75°	14.6
77.5°	11.1
80°	8.3
82.5°	6.2
85°	4.9
87.5°	2.8
90°	0.0

(END OF REPORT)