

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: P365407

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
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-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1202.0 lumens
Efficiency: N/A
Efficacy: 59.2 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

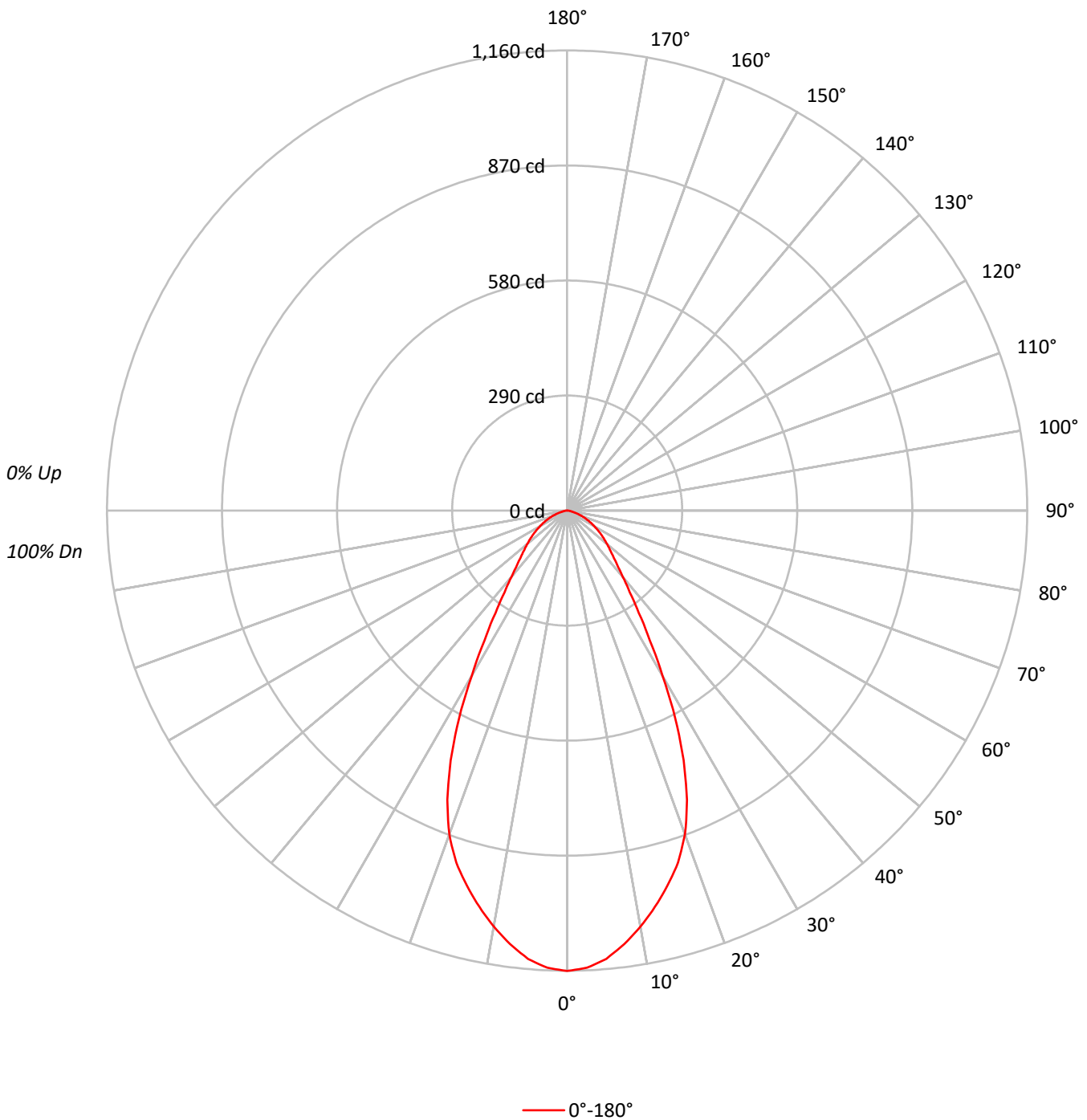
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83094
5°	81521
10°	77418
15°	72504
20°	66177
25°	54860
30°	39802
35°	27525
40°	20358
45°	16647
50°	14604
55°	12995
60°	11327
65°	9640
70°	7704
75°	5561
80°	4000
85°	4518



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	8.8
10°-20°	273.5	22.8
20°-30°	312.8	26.0
30°-40°	202.8	16.9
40°-50°	129.3	10.8
50°-60°	93.1	7.7
60°-70°	56.6	4.7
70°-80°	22.5	1.9
80°-90°	5.3	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°	692.3	57.6
0°-40°	895.1	74.5
0°-60°	1117.5	93.0
0°-90°	1202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1202.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1160	
5°	1134	106
15°	978	273
25°	694	313
35°	315	203
45°	164	129
55°	104	93
65°	57	57
75°	20	23
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1160.5
2.5°	1153.6
5°	1134.2
7.5°	1102.3
10°	1064.8
12.5°	1023.2
15°	978.1
17.5°	930.2
20°	868.5
22.5°	789.4
25°	694.4
27.5°	590.3
30°	481.4
32.5°	387.8
35°	314.9
37.5°	259.4
40°	217.8
42.5°	187.3
45°	164.4
47.5°	146.4
50°	131.1
52.5°	117.2
55°	104.1
57.5°	90.9
60°	79.1
62.5°	68.0
65°	56.9
67.5°	46.5
70°	36.8
72.5°	28.4
75°	20.1
77.5°	13.9
80°	9.7
82.5°	6.2
85°	5.5
87.5°	2.8
90°	0.0

(END OF REPORT)