

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: P365370

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1170.0 lumens
Efficiency: N/A
Efficacy: 57.6 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

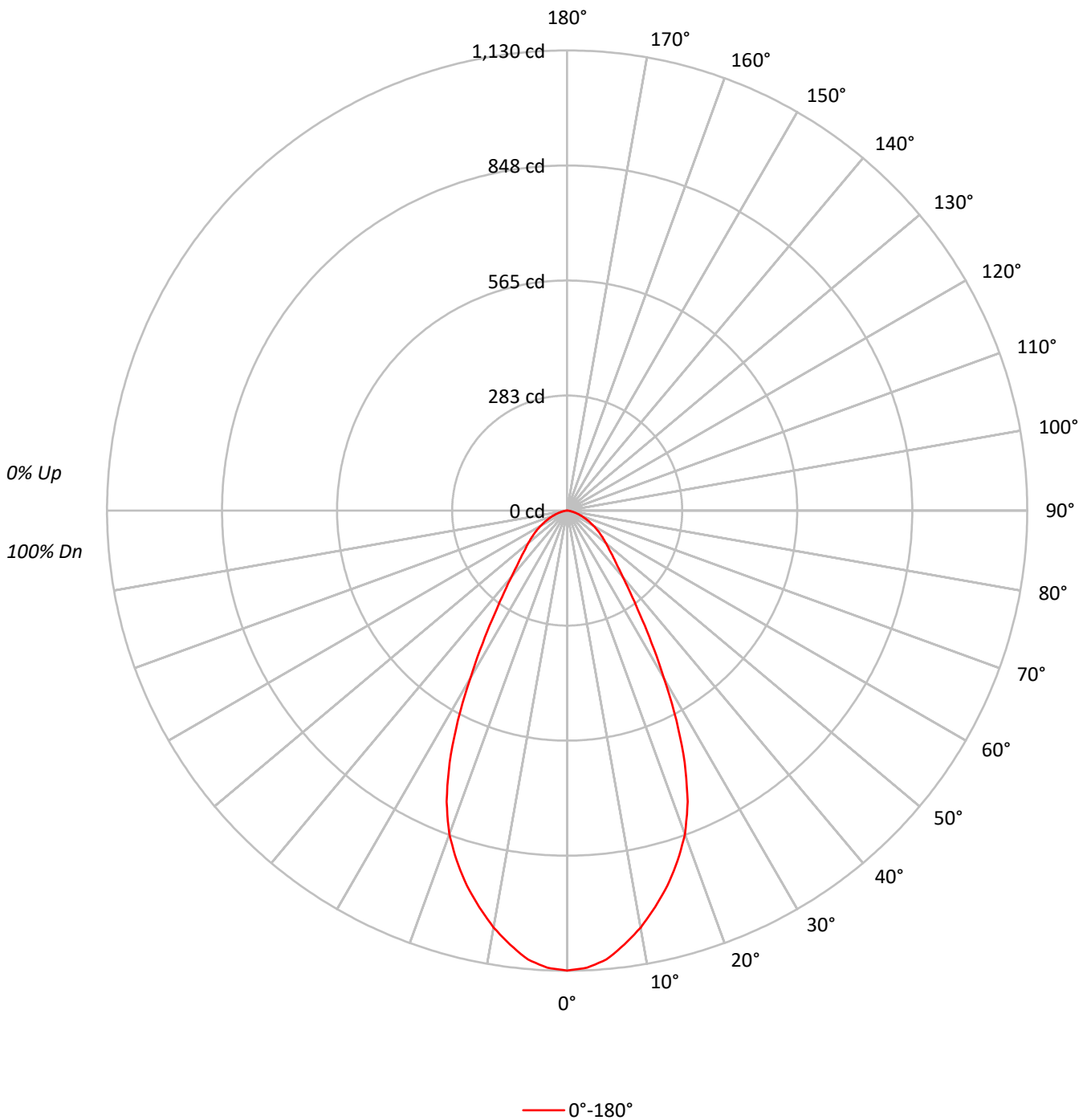
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80881
5°	79544
10°	75578
15°	70621
20°	64440
25°	53952
30°	39272
35°	27167
40°	19872
45°	16009
50°	13868
55°	12259
60°	10697
65°	9115
70°	7474
75°	5588
80°	3876
85°	3286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	8.8
10°-20°	266.1	22.7
20°-30°	307.1	26.3
30°-40°	200.3	17.1
40°-50°	124.3	10.6
50°-60°	88.3	7.5
60°-70°	53.7	4.6
70°-80°	22.2	1.9
80°-90°	4.6	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°	676.6	57.8
0°-40°	876.9	74.9
0°-60°	1089.5	93.1
0°-90°	1170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1170.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1130	
5°	1107	103
15°	953	266
25°	683	307
35°	311	200
45°	158	124
55°	98	88
65°	54	54
75°	20	22
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1129.6
2.5°	1123.6
5°	1106.7
7.5°	1075.1
10°	1039.5
12.5°	997.1
15°	952.7
17.5°	901.5
20°	845.7
22.5°	773.7
25°	682.9
27.5°	581.3
30°	475.0
32.5°	386.2
35°	310.8
37.5°	255.0
40°	212.6
42.5°	181.0
45°	158.1
47.5°	139.3
50°	124.5
52.5°	111.0
55°	98.2
57.5°	86.8
60°	74.7
62.5°	63.9
65°	53.8
67.5°	44.4
70°	35.7
72.5°	27.6
75°	20.2
77.5°	14.1
80°	9.4
82.5°	6.1
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)