

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: P365339

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
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-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1481.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

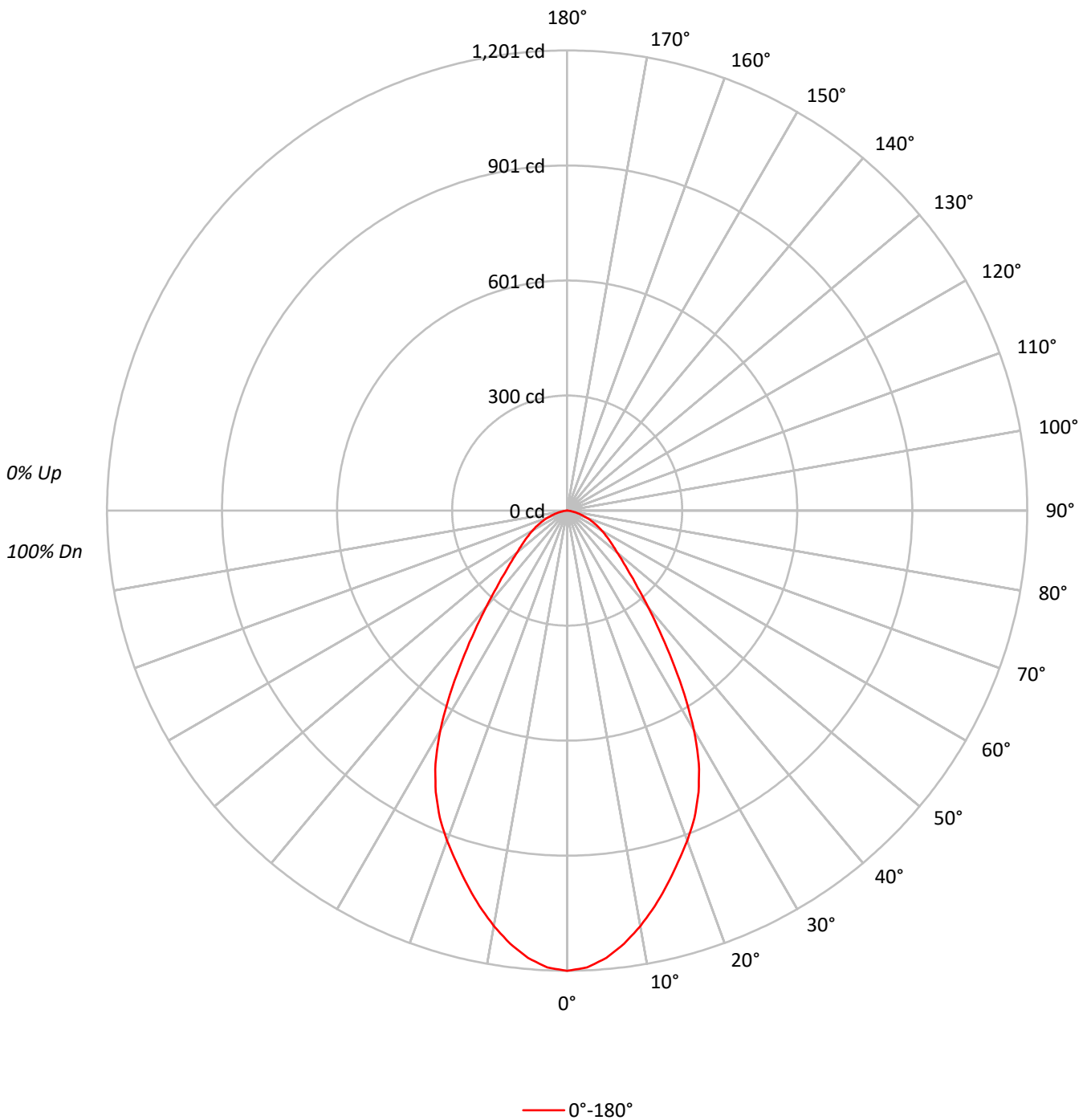
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97		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	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32811
5°	32141
10°	30533
15°	28564
20°	26650
25°	24452
30°	20880
35°	15919
40°	11724
45°	8896
50°	7245
55°	6372
60°	5693
65°	5028
70°	4265
75°	3324
80°	2234
85°	1003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	7.4
10°-20°	283.5	19.1
20°-30°	368.4	24.9
30°-40°	300.2	20.3
40°-50°	182.2	12.3
50°-60°	120.6	8.1
60°-70°	77.3	5.2
70°-80°	34.1	2.3
80°-90°	5.1	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°	761.4	51.4
0°-40°	1061.6	71.7
0°-60°	1364.4	92.1
0°-90°	1481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1481.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1201	
5°	1172	110
15°	1010	283
25°	811	368
35°	477	300
45°	230	182
55°	134	121
65°	78	77
75°	32	34
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1201.2
2.5°	1193.5
5°	1172.2
7.5°	1140.1
10°	1100.8
12.5°	1057.1
15°	1010.1
17.5°	961.9
20°	916.8
22.5°	867.9
25°	811.3
27.5°	744.4
30°	662.0
32.5°	569.4
35°	477.4
37.5°	395.7
40°	328.8
42.5°	272.8
45°	230.3
47.5°	196.9
50°	170.5
52.5°	150.6
55°	133.8
57.5°	118.4
60°	104.2
62.5°	90.7
65°	77.8
67.5°	65.6
70°	53.4
72.5°	41.8
75°	31.5
77.5°	22.5
80°	14.2
82.5°	7.7
85°	3.2
87.5°	0.6
90°	0.0

(END OF REPORT)