

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: P365410

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
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
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1783.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

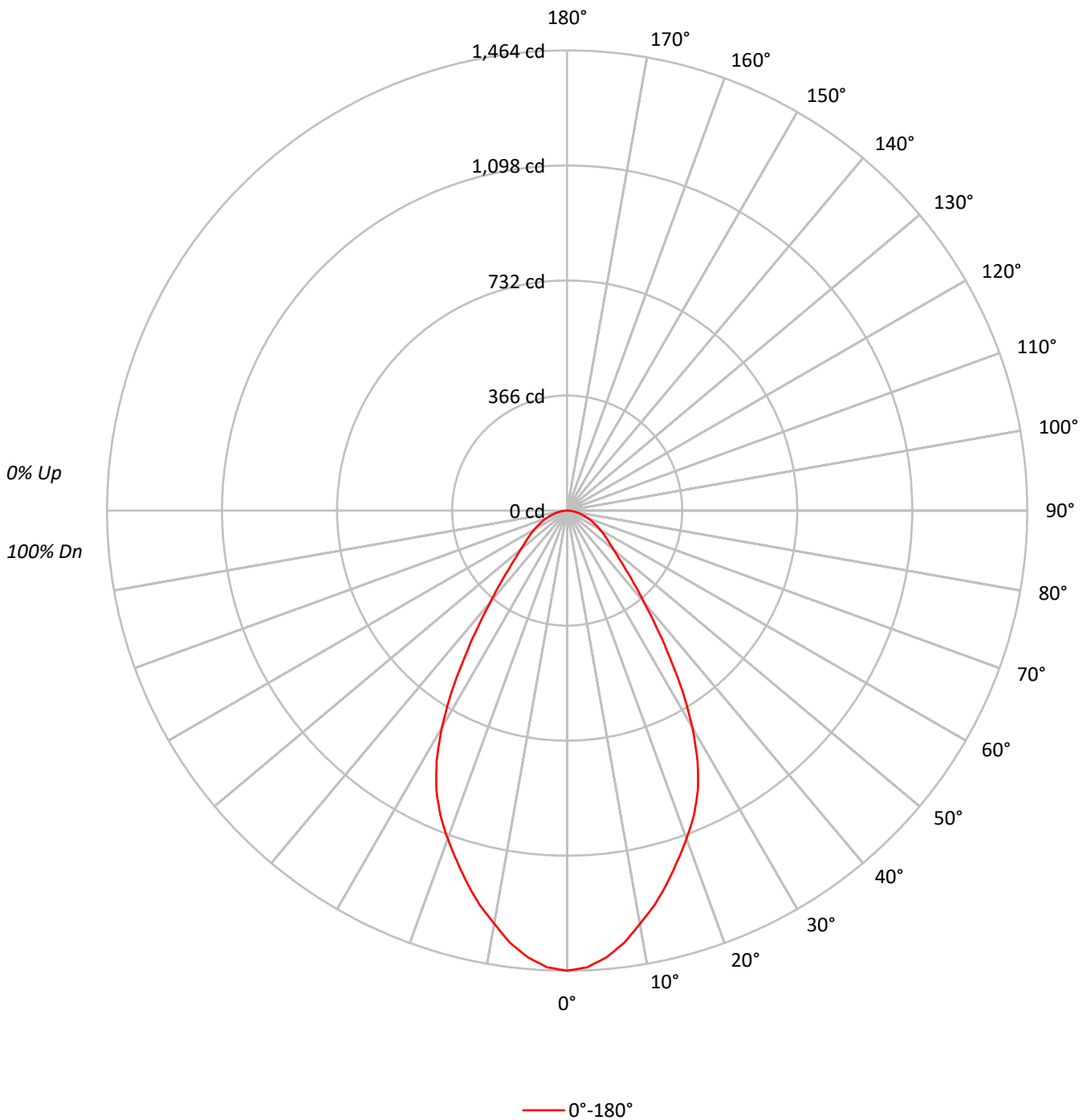
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	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	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	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	63	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39981
5°	39120
10°	37012
15°	34718
20°	32298
25°	29648
30°	25126
35°	18870
40°	13543
45°	10129
50°	8163
55°	7243
60°	6583
65°	6030
70°	5519
75°	5055
80°	4499
85°	3730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	7.5
10°-20°	344.2	19.3
20°-30°	445.8	25.0
30°-40°	356.8	20.0
40°-50°	208.1	11.7
50°-60°	137.1	7.7
60°-70°	93.1	5.2
70°-80°	50.9	2.9
80°-90°	13.7	0.8
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
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0°-30°	923.3	51.8
0°-40°	1280.1	71.8
0°-60°	1625.3	91.2
0°-90°	1783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1783.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1464	
5°	1427	133
15°	1228	344
25°	984	446
35°	566	357
45°	262	208
55°	152	137
65°	93	93
75°	48	51
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1463.7
2.5°	1454.4
5°	1426.7
7.5°	1387.2
10°	1334.4
12.5°	1285.0
15°	1227.7
17.5°	1167.9
20°	1111.1
22.5°	1051.9
25°	983.7
27.5°	899.3
30°	796.6
32.5°	685.5
35°	565.9
37.5°	465.7
40°	379.8
42.5°	314.6
45°	262.2
47.5°	222.2
50°	192.1
52.5°	169.4
55°	152.1
57.5°	136.3
60°	120.5
62.5°	106.7
65°	93.3
67.5°	81.5
70°	69.1
72.5°	58.3
75°	47.9
77.5°	38.0
80°	28.6
82.5°	19.8
85°	11.9
87.5°	4.4
90°	0.0

(END OF REPORT)