

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: P364696

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-LI-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1979.9 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

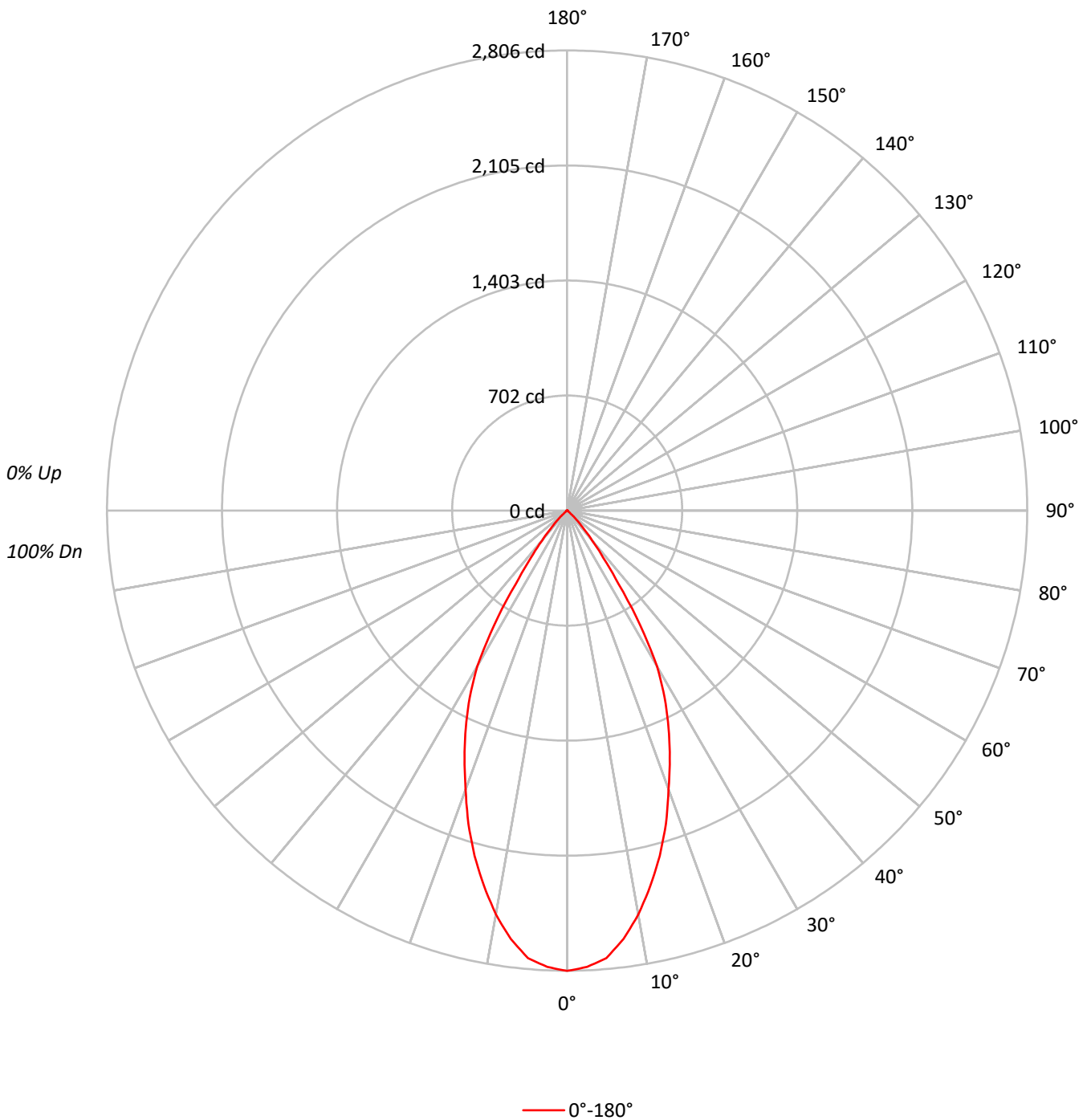
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	81	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	73	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76660
5°	75102
10°	69333
15°	61631
20°	52596
25°	44069
30°	34537
35°	18210
40°	8508
45°	3345
50°	875
55°	238
60°	153
65°	136
70°	112
75°	148
80°	110
85°	219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	12.8
10°-20°	605.2	30.6
20°-30°	665.7	33.6
30°-40°	367.5	18.6
40°-50°	77.5	3.9
50°-60°	6.3	0.3
60°-70°	1.9	0.1
70°-80°	1.6	0.1
80°-90°	0.7	0.0
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°	1524.5	77.0
0°-40°	1892.0	95.6
0°-60°	1975.8	99.8
0°-90°	1979.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1979.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2806	
5°	2739	253
15°	2179	605
25°	1462	666
35°	546	367
45°	87	78
55°	5	6
65°	2	2
75°	1	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2806.5
2.5°	2785.1
5°	2739.0
7.5°	2634.6
10°	2499.7
12.5°	2344.9
15°	2179.4
17.5°	2001.9
20°	1809.4
22.5°	1634.7
25°	1462.2
27.5°	1286.8
30°	1095.0
32.5°	833.7
35°	546.1
37.5°	362.9
40°	238.6
42.5°	150.5
45°	86.6
47.5°	45.4
50°	20.6
52.5°	8.5
55°	5.0
57.5°	3.6
60°	2.8
62.5°	2.1
65°	2.1
67.5°	1.4
70°	1.4
72.5°	2.1
75°	1.4
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)