

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: P365182

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 871.0 lumens
Efficiency: N/A
Efficacy: 87.1 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

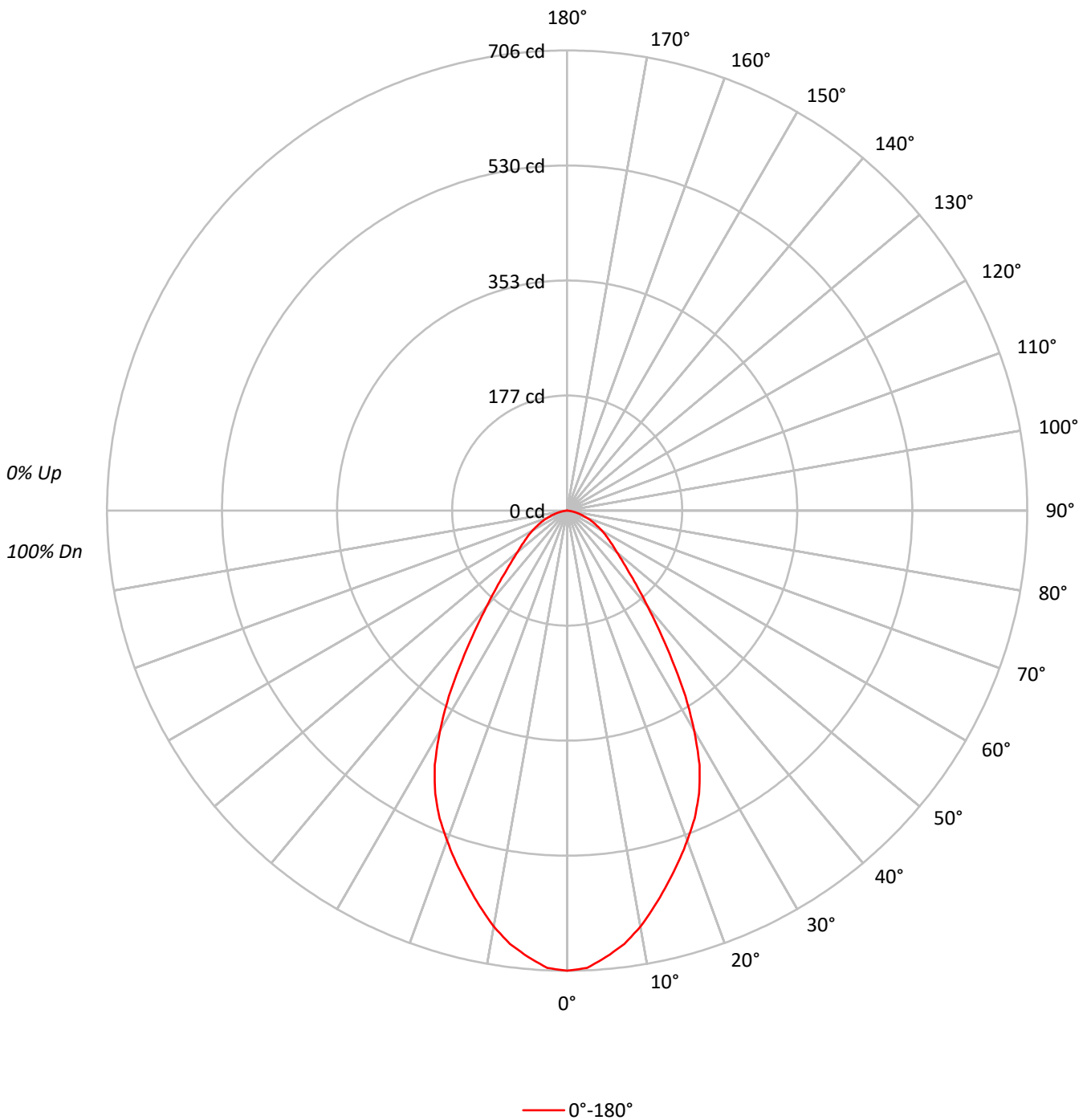
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19282
5°	18851
10°	17973
15°	16778
20°	15659
25°	14437
30°	12295
35°	9353
40°	6846
45°	5207
50°	4233
55°	3715
60°	3338
65°	2954
70°	2500
75°	1974
80°	1353
85°	564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	7.4
10°-20°	166.7	19.1
20°-30°	217.2	24.9
30°-40°	176.8	20.3
40°-50°	106.6	12.2
50°-60°	70.7	8.1
60°-70°	45.4	5.2
70°-80°	20.2	2.3
80°-90°	3.0	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°	448.3	51.5
0°-40°	625.1	71.8
0°-60°	802.4	92.1
0°-90°	871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	706	
5°	688	64
15°	593	167
25°	479	217
35°	280	177
45°	135	107
55°	78	71
65°	46	45
75°	19	20
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	705.9
2.5°	702.3
5°	687.5
7.5°	670.6
10°	648.0
12.5°	621.0
15°	593.3
17.5°	566.3
20°	538.7
22.5°	511.0
25°	479.0
27.5°	439.8
30°	389.8
32.5°	337.6
35°	280.5
37.5°	232.6
40°	192.0
42.5°	160.0
45°	134.8
47.5°	115.1
50°	99.6
52.5°	88.5
55°	78.0
57.5°	69.8
60°	61.1
62.5°	53.2
65°	45.7
67.5°	38.5
70°	31.3
72.5°	24.8
75°	18.7
77.5°	13.3
80°	8.6
82.5°	4.7
85°	1.8
87.5°	0.4
90°	0.0

(END OF REPORT)