

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: P365903

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
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-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

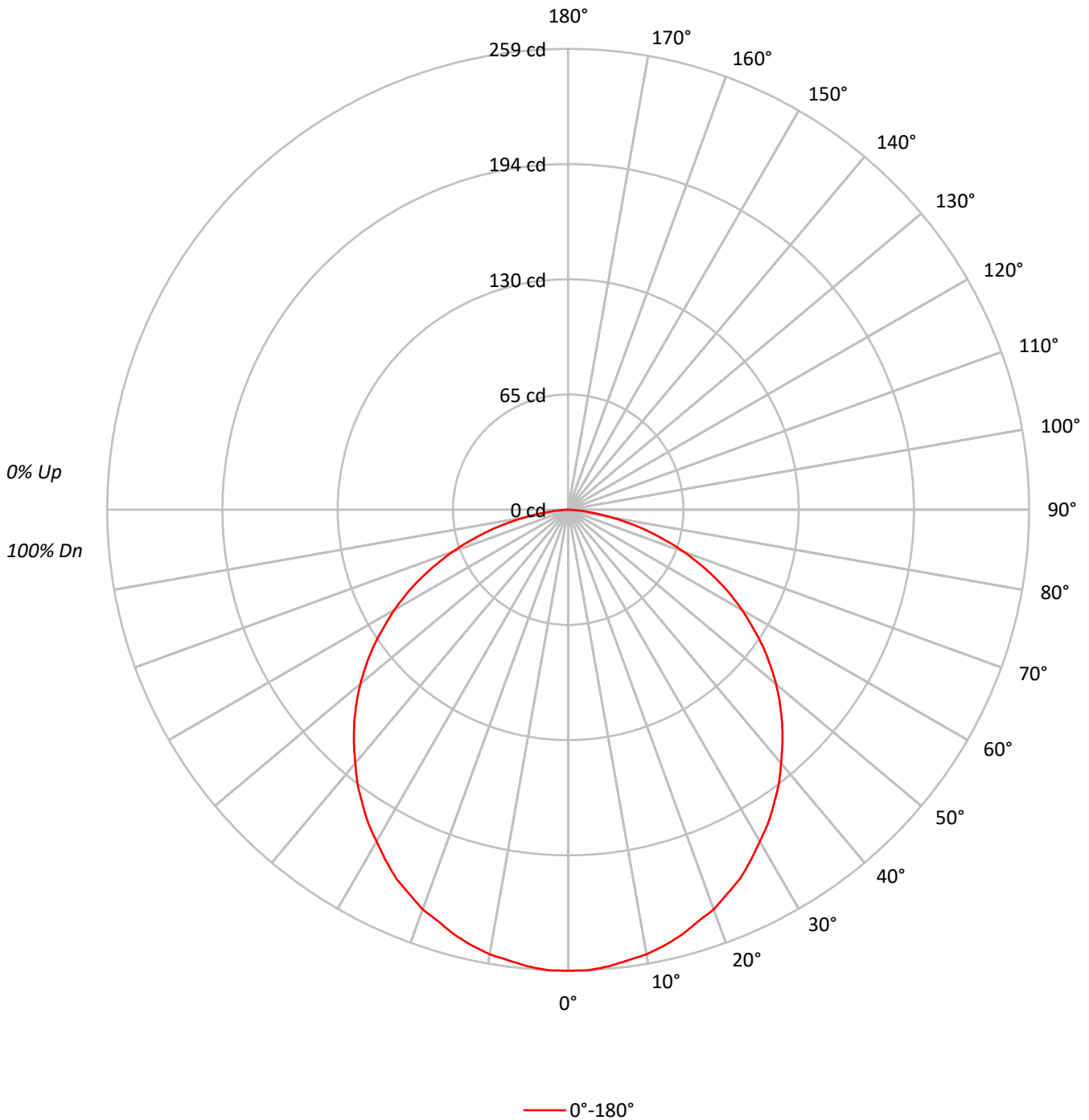
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7077
5°	7066
10°	7037
15°	6991
20°	6947
25°	6890
30°	6791
35°	6723
40°	6636
45°	6567
50°	6476
55°	6348
60°	6162
65°	5901
70°	5511
75°	4897
80°	3901
85°	2351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	3.4
10°-20°	69.7	9.6
20°-30°	105.2	14.5
30°-40°	126.2	17.4
40°-50°	131.1	18.1
50°-60°	118.9	16.4
60°-70°	90.2	12.4
70°-80°	49.0	6.8
80°-90°	10.2	1.4
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°	199.3	27.5
0°-40°	325.5	44.9
0°-60°	575.5	79.4
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	259	
5°	258	24
15°	247	70
25°	229	105
35°	202	126
45°	170	131
55°	133	119
65°	91	90
75°	46	49
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	259.1
2.5°	259.1
5°	257.7
7.5°	255.5
10°	253.7
12.5°	250.8
15°	247.2
17.5°	242.6
20°	239.0
22.5°	233.6
25°	228.6
27.5°	222.1
30°	215.3
32.5°	209.1
35°	201.6
37.5°	194.4
40°	186.1
42.5°	178.2
45°	170.0
47.5°	161.4
50°	152.4
52.5°	143.0
55°	133.3
57.5°	122.9
60°	112.8
62.5°	102.4
65°	91.3
67.5°	80.1
70°	69.0
72.5°	57.5
75°	46.4
77.5°	35.2
80°	24.8
82.5°	15.5
85°	7.5
87.5°	2.2
90°	0.0

(END OF REPORT)