

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: P365217

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 376.0 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

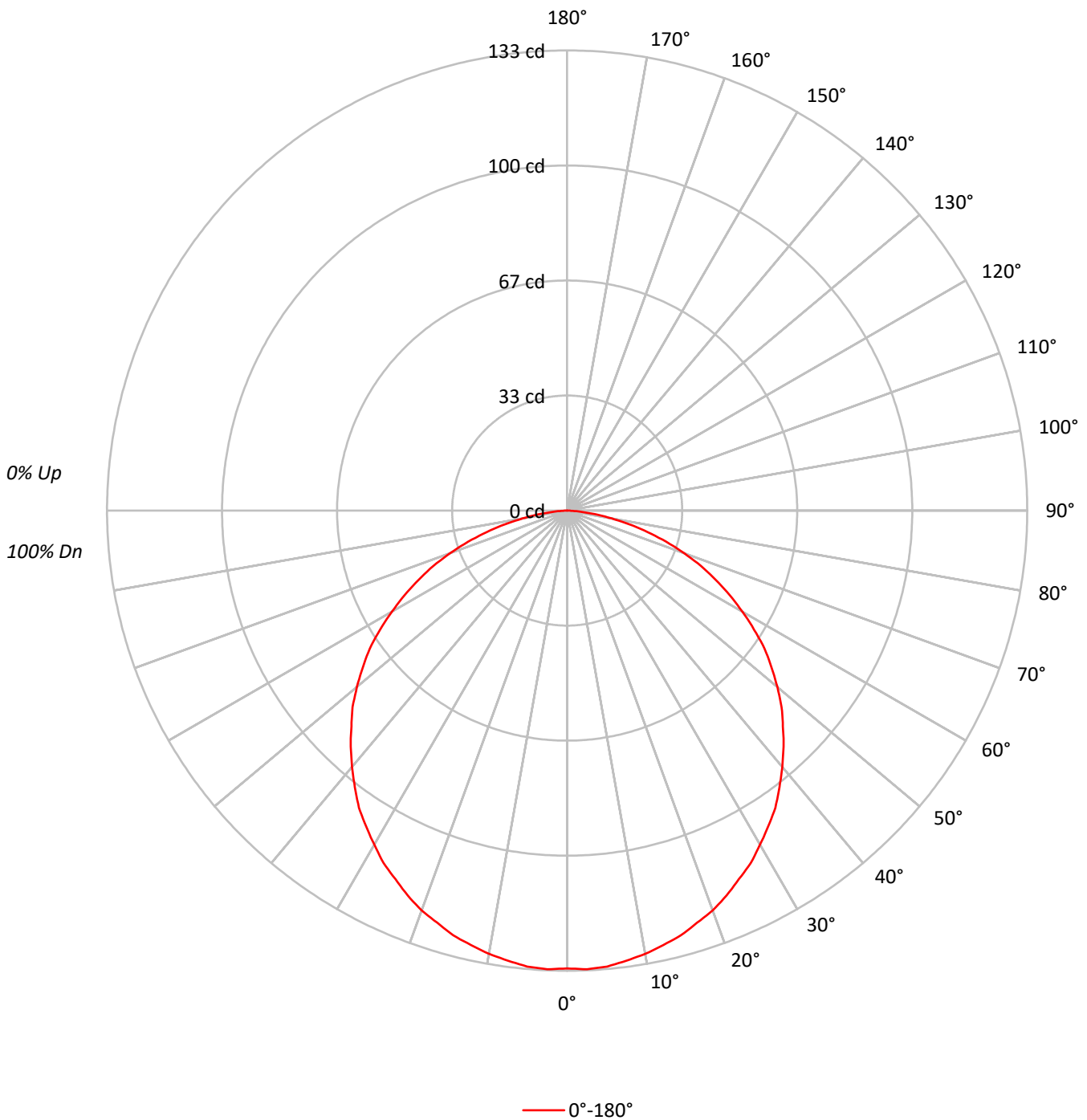
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3614
5°	3628
10°	3609
15°	3594
20°	3575
25°	3541
30°	3517
35°	3498
40°	3448
45°	3407
50°	3370
55°	3319
60°	3196
65°	3064
70°	2867
75°	2543
80°	2045
85°	1160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	3.3
10°-20°	35.8	9.5
20°-30°	54.2	14.4
30°-40°	65.5	17.4
40°-50°	68.1	18.1
50°-60°	62.0	16.5
60°-70°	46.9	12.5
70°-80°	25.6	6.8
80°-90°	5.3	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°	102.6	27.3
0°-40°	168.1	44.7
0°-60°	298.2	79.3
0°-90°	376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	376.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	132	
5°	132	13
15°	127	36
25°	118	54
35°	105	65
45°	88	68
55°	70	62
65°	47	47
75°	24	26
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	132.3
2.5°	132.7
5°	132.3
7.5°	131.2
10°	130.1
12.5°	128.6
15°	127.1
17.5°	124.9
20°	123.0
22.5°	120.4
25°	117.5
27.5°	114.9
30°	111.5
32.5°	108.2
35°	104.9
37.5°	100.8
40°	96.7
42.5°	92.6
45°	88.2
47.5°	84.1
50°	79.3
52.5°	74.5
55°	69.7
57.5°	64.1
60°	58.5
62.5°	53.0
65°	47.4
67.5°	41.9
70°	35.9
72.5°	30.0
75°	24.1
77.5°	18.5
80°	13.0
82.5°	8.2
85°	3.7
87.5°	1.1
90°	0.0

(END OF REPORT)