

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: P365235

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365235
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-FEU6B12-8050-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: 385.0 lumens
Efficiency: N/A
Efficacy: 38.5 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

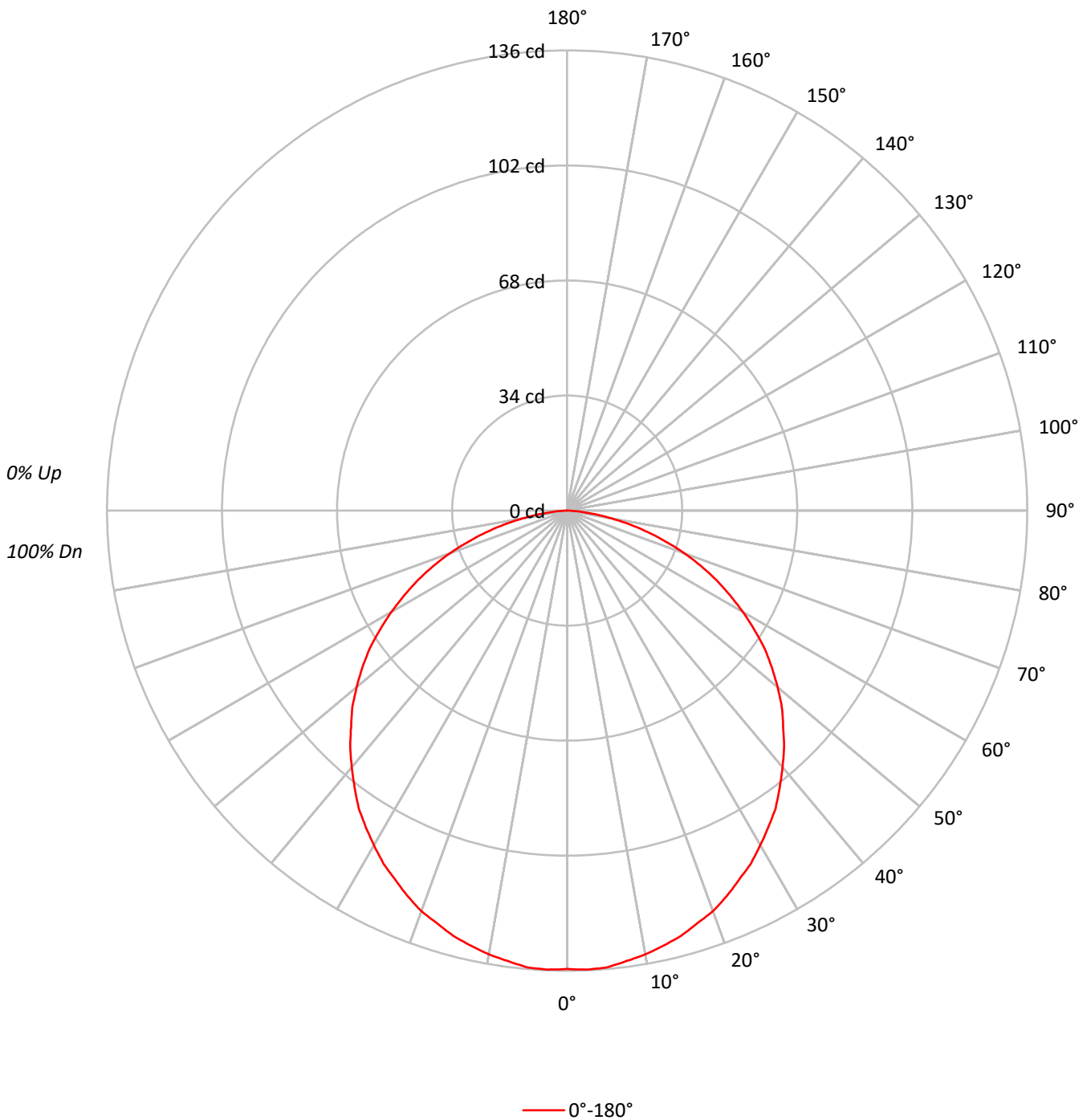
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3701
5°	3715
10°	3695
15°	3679
20°	3663
25°	3626
30°	3602
35°	3581
40°	3530
45°	3488
50°	3451
55°	3395
60°	3278
65°	3141
70°	2939
75°	2607
80°	2092
85°	1191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	3.3
10°-20°	36.7	9.5
20°-30°	55.5	14.4
30°-40°	67.0	17.4
40°-50°	69.8	18.1
50°-60°	63.5	16.5
60°-70°	48.0	12.5
70°-80°	26.2	6.8
80°-90°	5.4	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°	105.1	27.3
0°-40°	172.1	44.7
0°-60°	305.4	79.3
0°-90°	385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	385.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	136	
5°	136	13
15°	130	37
25°	120	56
35°	107	67
45°	90	70
55°	71	63
65°	49	48
75°	25	26
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	135.5
2.5°	135.8
5°	135.5
7.5°	134.3
10°	133.2
12.5°	131.7
15°	130.1
17.5°	127.9
20°	126.0
22.5°	123.3
25°	120.3
27.5°	117.6
30°	114.2
32.5°	110.8
35°	107.4
37.5°	103.2
40°	99.0
42.5°	94.9
45°	90.3
47.5°	86.1
50°	81.2
52.5°	76.3
55°	71.3
57.5°	65.6
60°	60.0
62.5°	54.3
65°	48.6
67.5°	42.9
70°	36.8
72.5°	30.7
75°	24.7
77.5°	19.0
80°	13.3
82.5°	8.3
85°	3.8
87.5°	1.1
90°	0.0

(END OF REPORT)