

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: P364481

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 756.0 lumens
Efficiency: N/A
Efficacy: 75.6 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

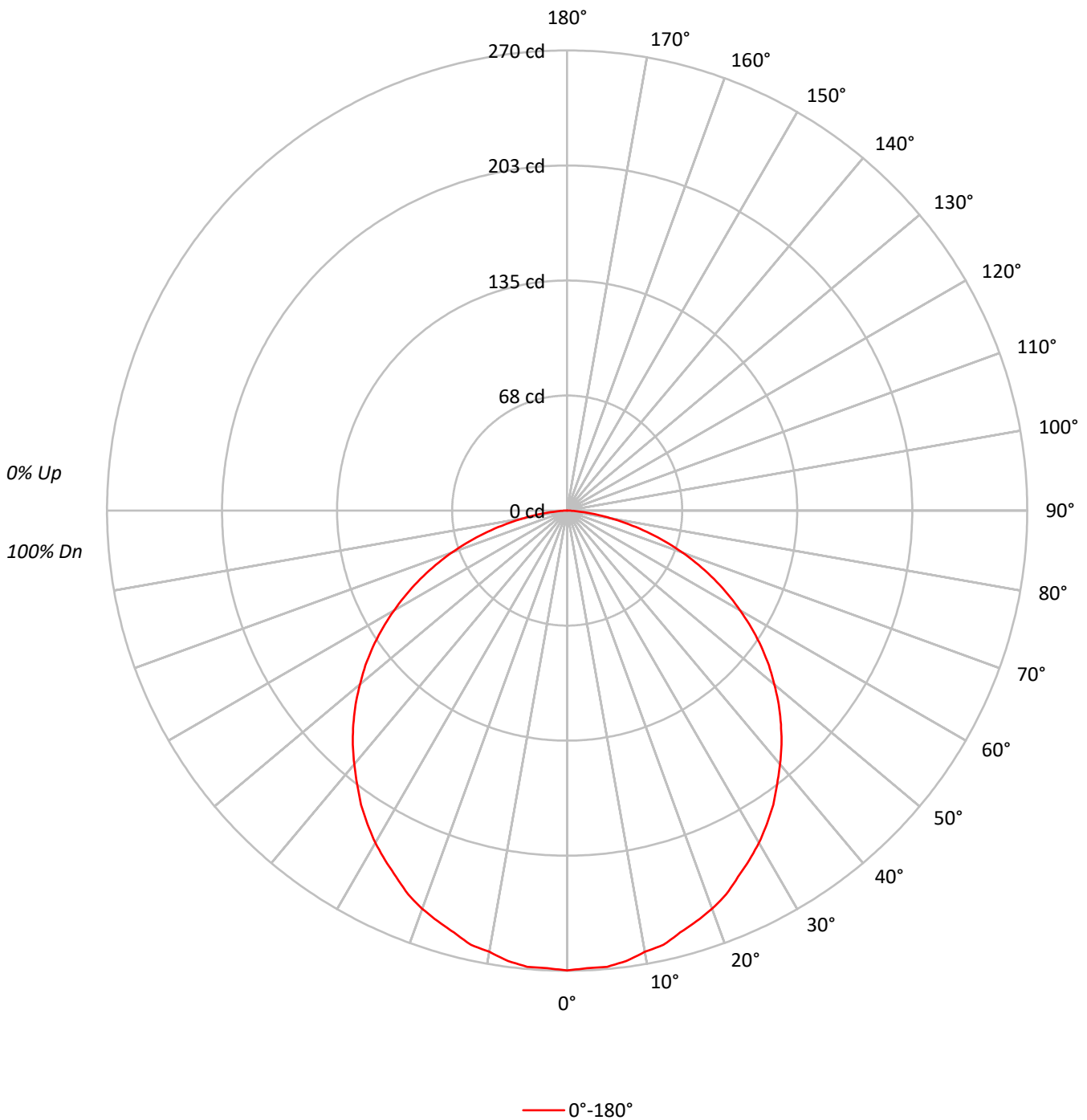
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	83	71	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	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	34	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°	7370
5°	7368
10°	7292
15°	7248
20°	7226
25°	7149
30°	7100
35°	7029
40°	6928
45°	6853
50°	6744
55°	6620
60°	6408
65°	6140
70°	5742
75°	5108
80°	4090
85°	2539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	3.4
10°-20°	72.5	9.6
20°-30°	109.5	14.5
30°-40°	131.7	17.4
40°-50°	136.8	18.1
50°-60°	124.0	16.4
60°-70°	93.9	12.4
70°-80°	51.2	6.8
80°-90°	10.9	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°	207.4	27.4
0°-40°	339.1	44.9
0°-60°	599.9	79.4
0°-90°	756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	270	
5°	269	25
15°	256	72
25°	237	110
35°	211	132
45°	177	137
55°	139	124
65°	95	94
75°	48	51
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	269.8
2.5°	268.7
5°	268.7
7.5°	266.5
10°	262.9
12.5°	261.0
15°	256.3
17.5°	252.6
20°	248.6
22.5°	243.8
25°	237.2
27.5°	231.3
30°	225.1
32.5°	218.1
35°	210.8
37.5°	202.4
40°	194.3
42.5°	186.2
45°	177.4
47.5°	168.3
50°	158.7
52.5°	149.2
55°	139.0
57.5°	128.3
60°	117.3
62.5°	106.3
65°	95.0
67.5°	83.6
70°	71.9
72.5°	60.1
75°	48.4
77.5°	37.0
80°	26.0
82.5°	16.5
85°	8.1
87.5°	2.6
90°	0.0

(END OF REPORT)