

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: P365201

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 661.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

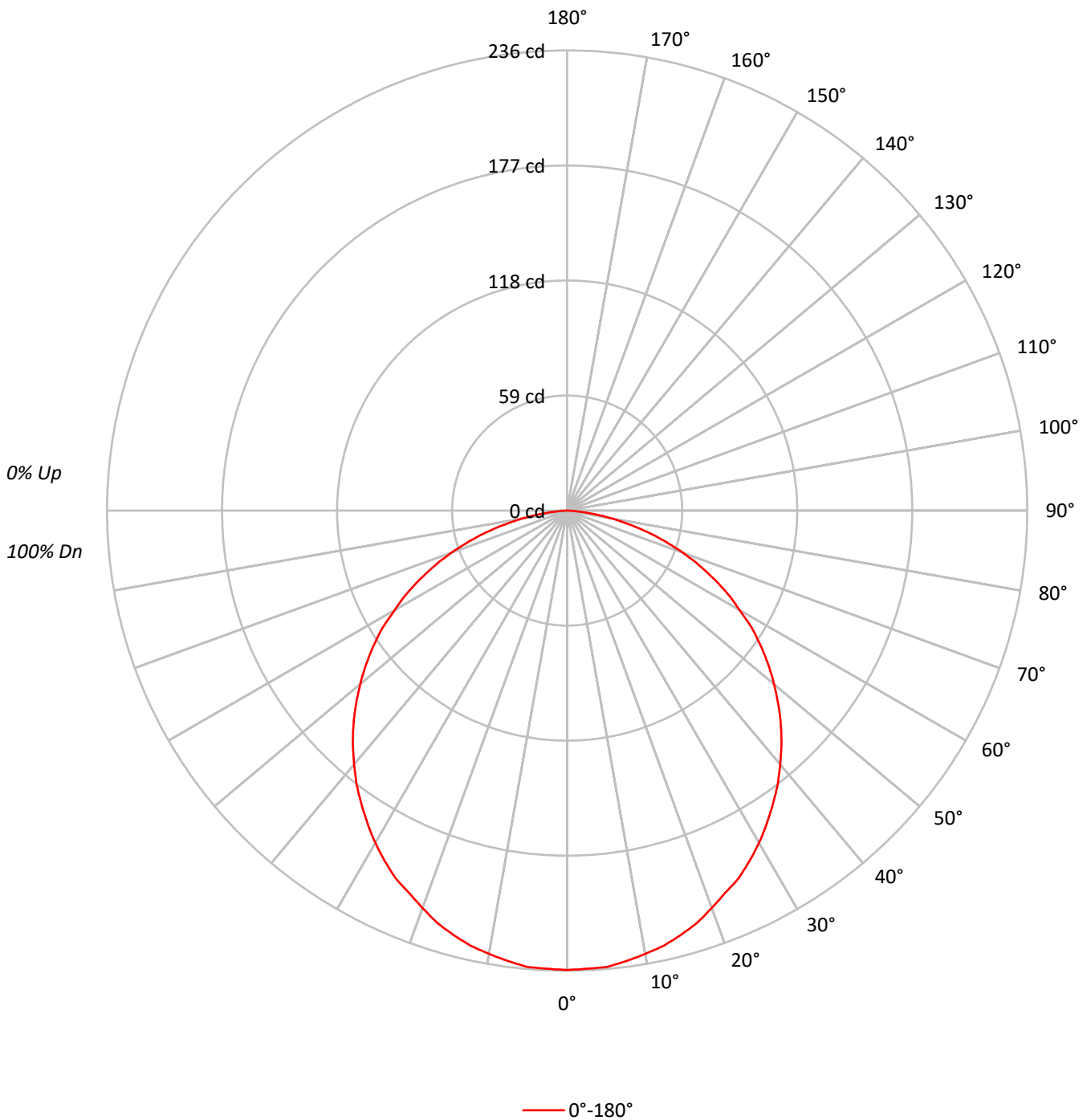
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	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°	6435
5°	6441
10°	6402
15°	6371
20°	6305
25°	6272
30°	6207
35°	6132
40°	6062
45°	5988
50°	5886
55°	5777
60°	5583
65°	5378
70°	5031
75°	4485
80°	3634
85°	2194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	3.4
10°-20°	63.5	9.6
20°-30°	95.7	14.5
30°-40°	115.1	17.4
40°-50°	119.5	18.1
50°-60°	108.3	16.4
60°-70°	82.2	12.4
70°-80°	45.0	6.8
80°-90°	9.4	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°	181.6	27.5
0°-40°	296.7	44.9
0°-60°	524.5	79.3
0°-90°	661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	236	
5°	235	22
15°	225	64
25°	208	96
35°	184	115
45°	155	119
55°	121	108
65°	83	82
75°	42	45
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	235.6
2.5°	235.2
5°	234.9
7.5°	233.0
10°	230.8
12.5°	228.6
15°	225.3
17.5°	221.7
20°	216.9
22.5°	212.1
25°	208.1
27.5°	202.6
30°	196.8
32.5°	190.5
35°	183.9
37.5°	177.3
40°	170.0
42.5°	162.7
45°	155.0
47.5°	146.9
50°	138.5
52.5°	130.1
55°	121.3
57.5°	112.5
60°	102.2
62.5°	93.1
65°	83.2
67.5°	73.3
70°	63.0
72.5°	52.8
75°	42.5
77.5°	32.2
80°	23.1
82.5°	14.3
85°	7.0
87.5°	1.8
90°	0.0

(END OF REPORT)