

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: P364517

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364517
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-FEU6B12-8050-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: 782.0 lumens
Efficiency: N/A
Efficacy: 78.2 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

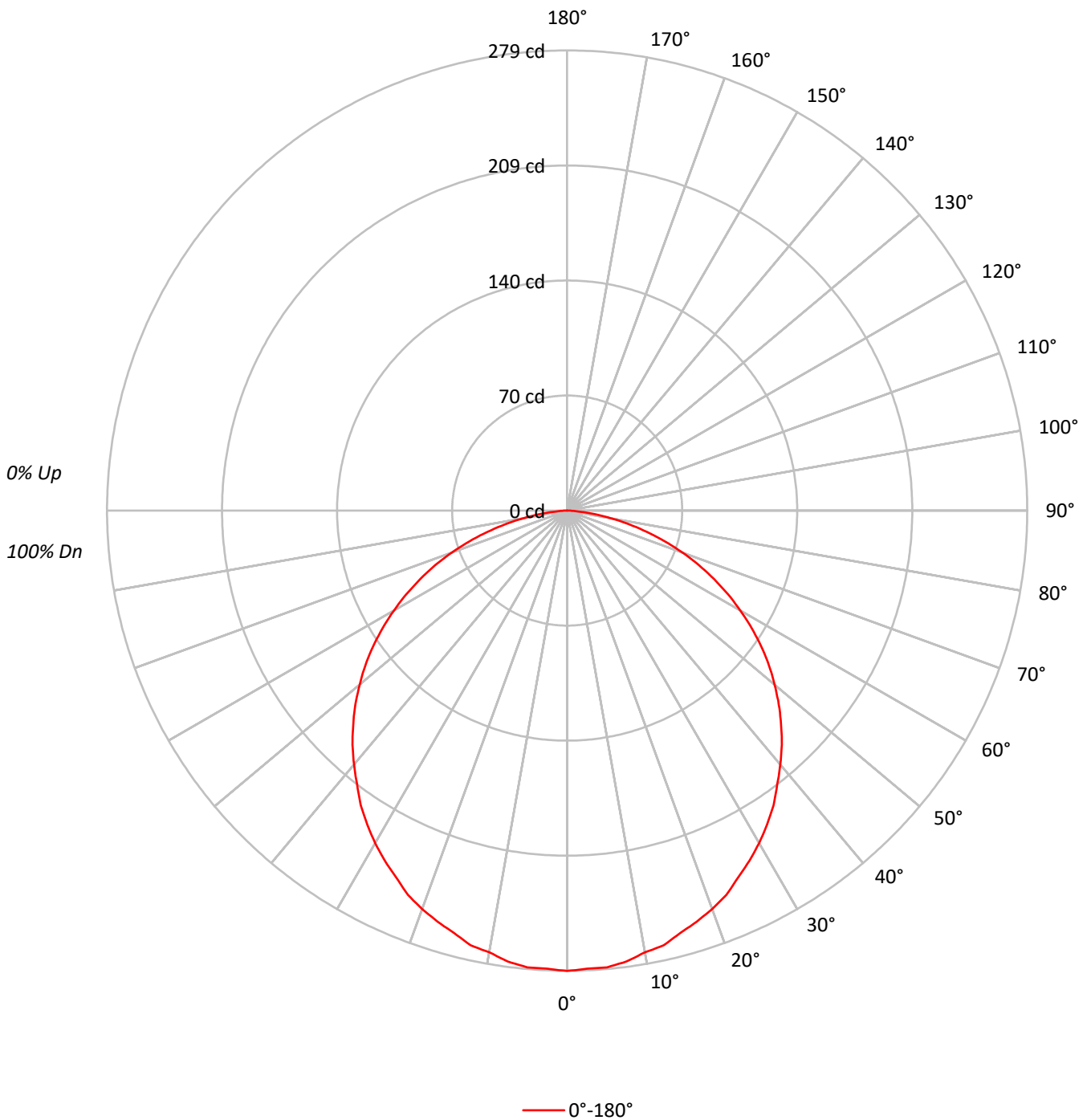
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7624
5°	7623
10°	7542
15°	7497
20°	7473
25°	7396
30°	7343
35°	7273
40°	7167
45°	7089
50°	6978
55°	6843
60°	6632
65°	6347
70°	5934
75°	5287
80°	4231
85°	2601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	3.4
10°-20°	75.0	9.6
20°-30°	113.3	14.5
30°-40°	136.2	17.4
40°-50°	141.5	18.1
50°-60°	128.3	16.4
60°-70°	97.1	12.4
70°-80°	53.0	6.8
80°-90°	11.3	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°	214.6	27.4
0°-40°	350.8	44.9
0°-60°	620.6	79.4
0°-90°	782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	782.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	279	
5°	278	26
15°	265	75
25°	245	113
35°	218	136
45°	184	142
55°	144	128
65°	98	97
75°	50	53
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	279.1
2.5°	278.0
5°	278.0
7.5°	275.7
10°	271.9
12.5°	270.0
15°	265.1
17.5°	261.3
20°	257.1
22.5°	252.2
25°	245.4
27.5°	239.3
30°	232.8
32.5°	225.6
35°	218.1
37.5°	209.3
40°	201.0
42.5°	192.7
45°	183.5
47.5°	174.1
50°	164.2
52.5°	154.3
55°	143.7
57.5°	132.7
60°	121.4
62.5°	110.0
65°	98.2
67.5°	86.5
70°	74.3
72.5°	62.2
75°	50.1
77.5°	38.3
80°	26.9
82.5°	17.1
85°	8.3
87.5°	2.7
90°	0.0

(END OF REPORT)