

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: P364499

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364499
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-FEU6B12-8040-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: 764.0 lumens
Efficiency: N/A
Efficacy: 76.4 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

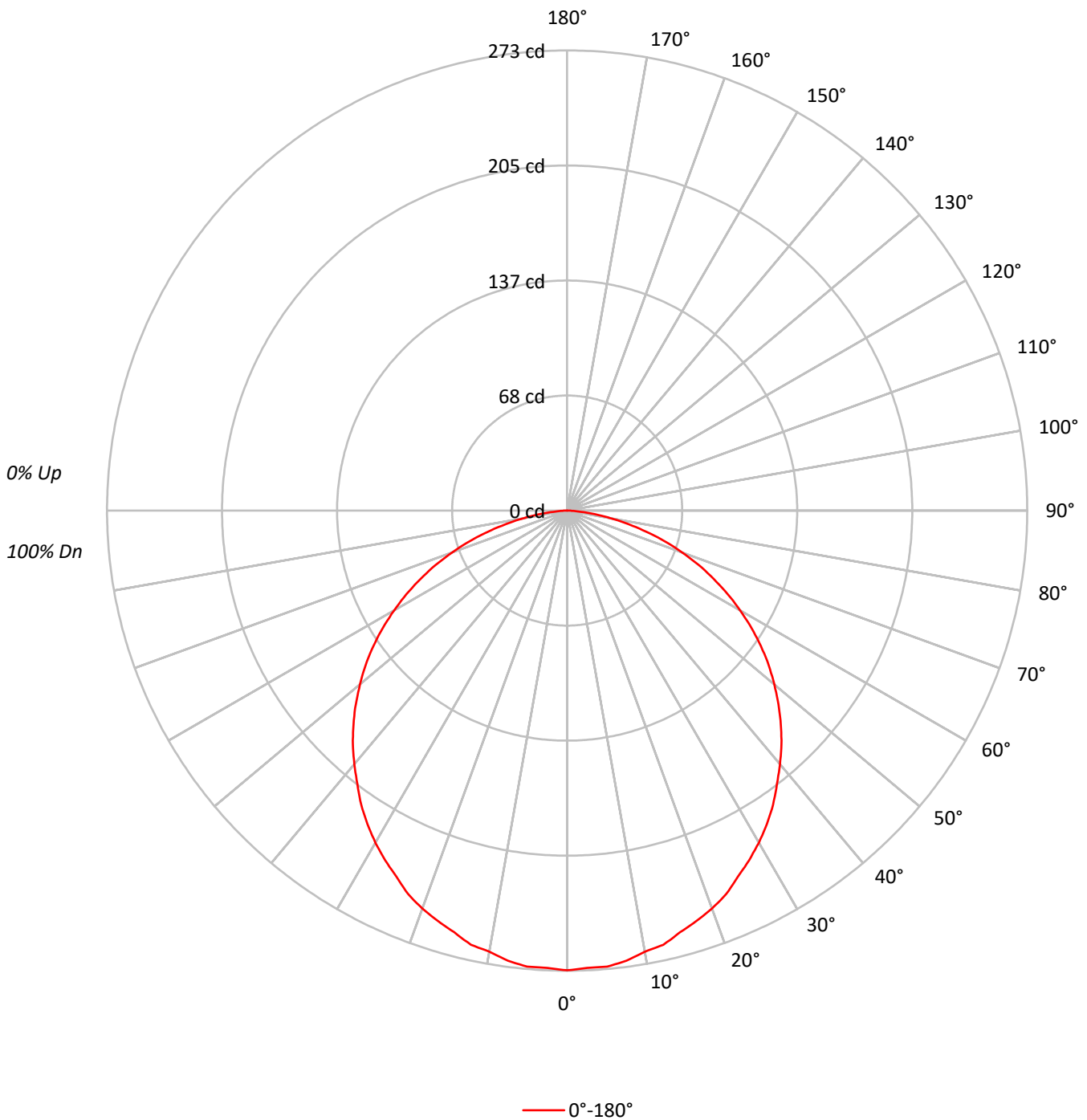
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7449
5°	7447
10°	7370
15°	7324
20°	7302
25°	7224
30°	7176
35°	7103
40°	7003
45°	6926
50°	6816
55°	6686
60°	6479
65°	6205
70°	5798
75°	5161
80°	4137
85°	2570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	3.4
10°-20°	73.2	9.6
20°-30°	110.7	14.5
30°-40°	133.1	17.4
40°-50°	138.2	18.1
50°-60°	125.3	16.4
60°-70°	94.9	12.4
70°-80°	51.8	6.8
80°-90°	11.1	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°	209.6	27.4
0°-40°	342.7	44.9
0°-60°	606.3	79.4
0°-90°	764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	273	
5°	272	26
15°	259	73
25°	240	111
35°	213	133
45°	179	138
55°	140	125
65°	96	95
75°	49	52
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	272.7
2.5°	271.6
5°	271.6
7.5°	269.4
10°	265.7
12.5°	263.8
15°	259.0
17.5°	255.3
20°	251.2
22.5°	246.4
25°	239.7
27.5°	233.8
30°	227.5
32.5°	220.5
35°	213.0
37.5°	204.5
40°	196.4
42.5°	188.2
45°	179.3
47.5°	170.1
50°	160.4
52.5°	150.8
55°	140.4
57.5°	129.7
60°	118.6
62.5°	107.4
65°	96.0
67.5°	84.5
70°	72.6
72.5°	60.8
75°	48.9
77.5°	37.4
80°	26.3
82.5°	16.7
85°	8.2
87.5°	2.6
90°	0.0

(END OF REPORT)