

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: P364463

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364463
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-FEU6B12-8030-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: 741.0 lumens
Efficiency: N/A
Efficacy: 74.1 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

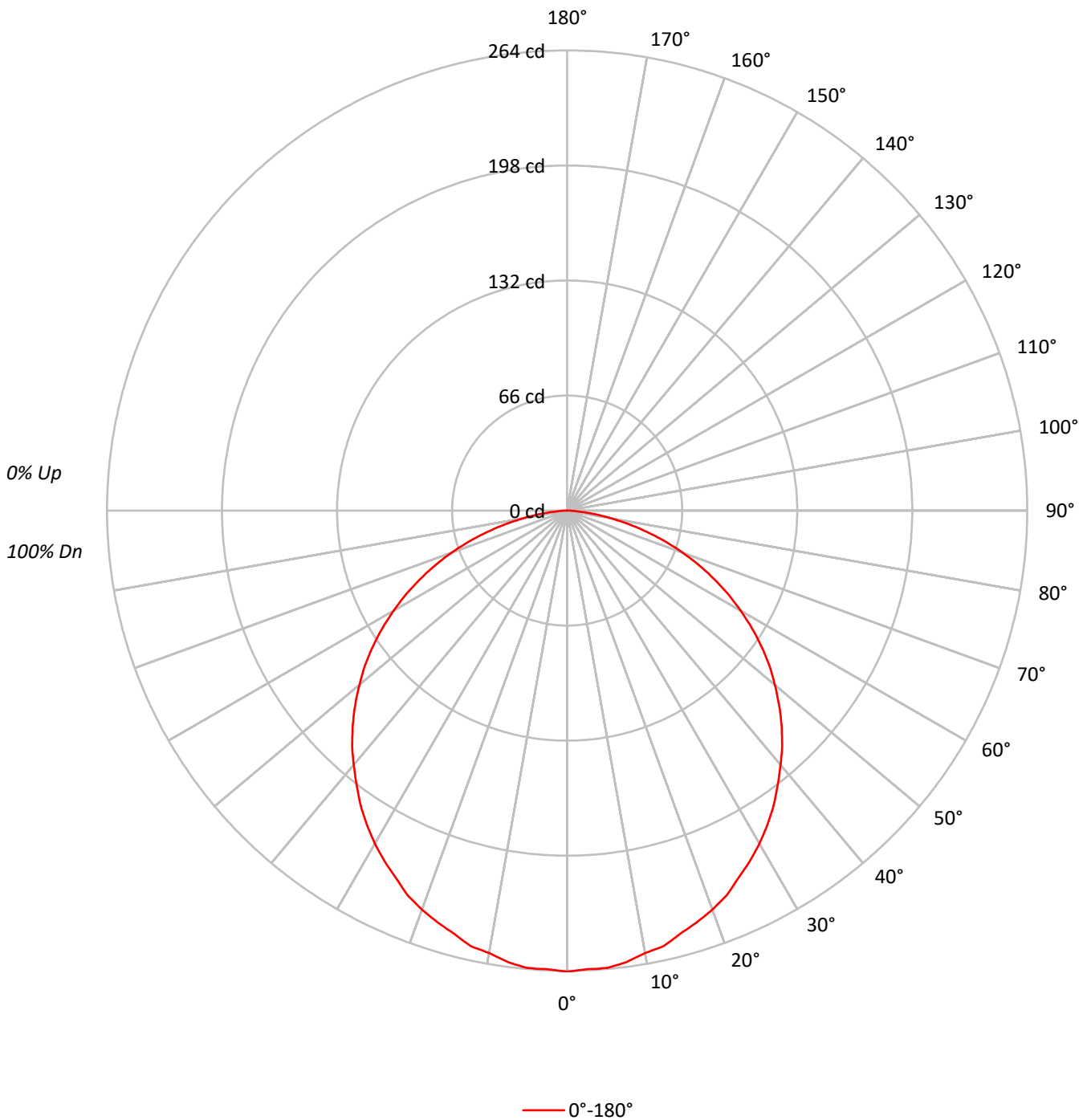
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7225
5°	7222
10°	7148
15°	7104
20°	7081
25°	7007
30°	6958
35°	6889
40°	6793
45°	6718
50°	6612
55°	6486
60°	6283
65°	6017
70°	5622
75°	5003
80°	4011
85°	2476



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	3.4
10°-20°	71.0	9.6
20°-30°	107.3	14.5
30°-40°	129.1	17.4
40°-50°	134.1	18.1
50°-60°	121.6	16.4
60°-70°	92.0	12.4
70°-80°	50.2	6.8
80°-90°	10.7	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°	203.3	27.4
0°-40°	332.4	44.9
0°-60°	588.1	79.4
0°-90°	741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	264	
5°	263	25
15°	251	71
25°	232	107
35°	207	129
45°	174	134
55°	136	122
65°	93	92
75°	47	50
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	264.5
2.5°	263.4
5°	263.4
7.5°	261.2
10°	257.7
12.5°	255.9
15°	251.2
17.5°	247.6
20°	243.6
22.5°	239.0
25°	232.5
27.5°	226.8
30°	220.6
32.5°	213.8
35°	206.6
37.5°	198.4
40°	190.5
42.5°	182.6
45°	173.9
47.5°	164.9
50°	155.6
52.5°	146.3
55°	136.2
57.5°	125.8
60°	115.0
62.5°	104.2
65°	93.1
67.5°	81.9
70°	70.4
72.5°	58.9
75°	47.4
77.5°	36.3
80°	25.5
82.5°	16.2
85°	7.9
87.5°	2.5
90°	0.0

(END OF REPORT)