

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: P365165

Luminaire Tested: **FLD6BX10D010-FEU6B12-8027-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365165  
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-FEU6B12-8027-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: 620.0 lumens  
Efficiency: N/A  
Efficacy: 62.0 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

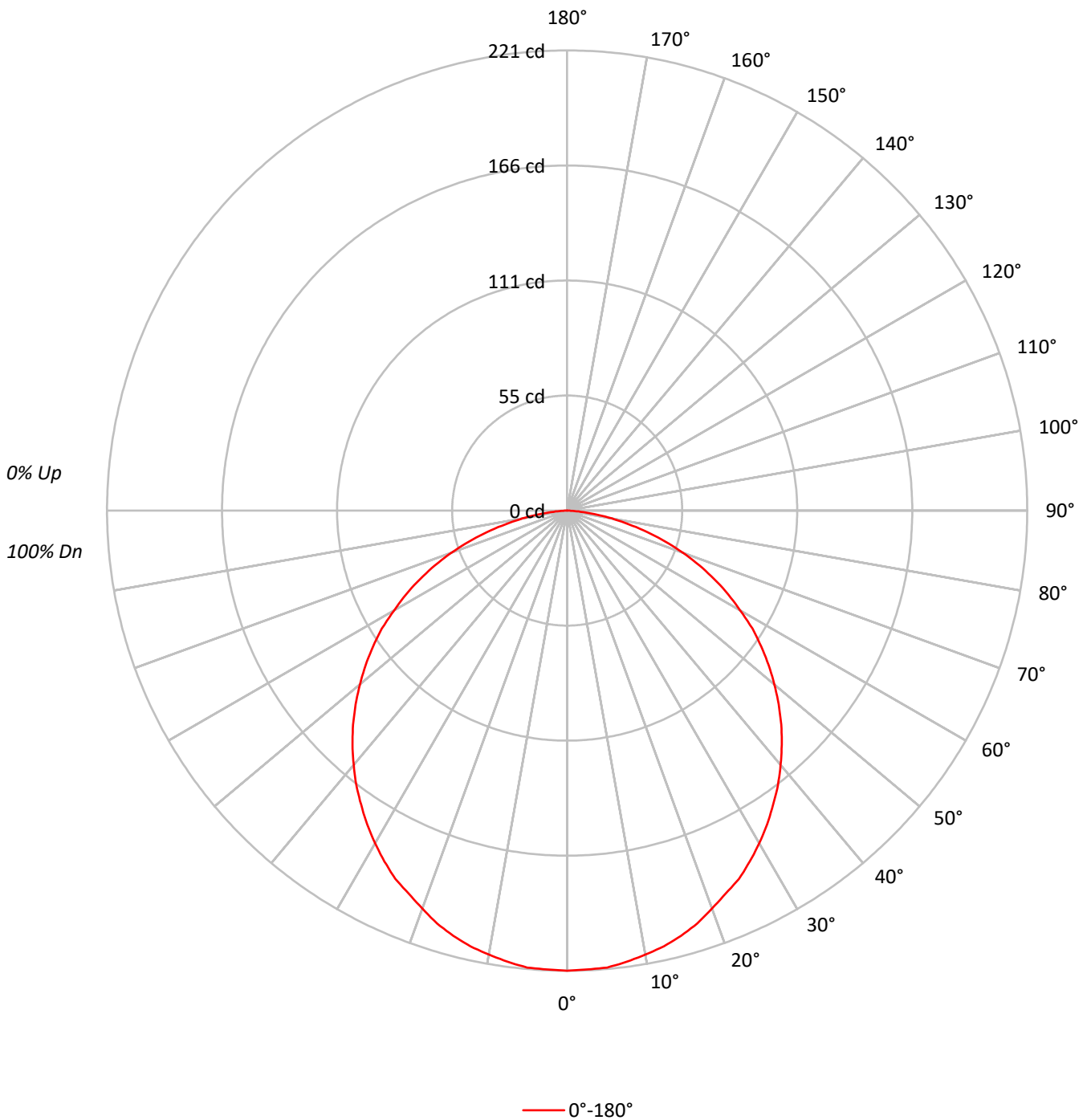
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	6037
5°	6041
10°	6005
15°	5978
20°	5912
25°	5883
30°	5819
35°	5752
40°	5687
45°	5617
50°	5520
55°	5419
60°	5239
65°	5041
70°	4720
75°	4211
80°	3413
85°	2037



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.9	3.4
10°-20°	59.6	9.6
20°-30°	89.8	14.5
30°-40°	108.0	17.4
40°-50°	112.1	18.1
50°-60°	101.6	16.4
60°-70°	77.1	12.4
70°-80°	42.2	6.8
80°-90°	8.8	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°	170.3	27.5
0°-40°	278.3	44.9
0°-60°	491.9	79.3
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	221	
5°	220	21
15°	211	60
25°	195	90
35°	172	108
45°	145	112
55°	114	102
65°	78	77
75°	40	42
85°	6	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	221.0
2.5°	220.6
5°	220.3
7.5°	218.6
10°	216.5
12.5°	214.4
15°	211.4
17.5°	207.9
20°	203.4
22.5°	199.0
25°	195.2
27.5°	190.0
30°	184.5
32.5°	178.7
35°	172.5
37.5°	166.3
40°	159.5
42.5°	152.6
45°	145.4
47.5°	137.8
50°	129.9
52.5°	122.0
55°	113.8
57.5°	105.5
60°	95.9
62.5°	87.3
65°	78.0
67.5°	68.7
70°	59.1
72.5°	49.5
75°	39.9
77.5°	30.2
80°	21.7
82.5°	13.4
85°	6.5
87.5°	1.7
90°	0.0

(END OF REPORT)