

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: P364733

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364733  
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: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2021.0 lumens  
Efficiency: N/A  
Efficacy: 74.9 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

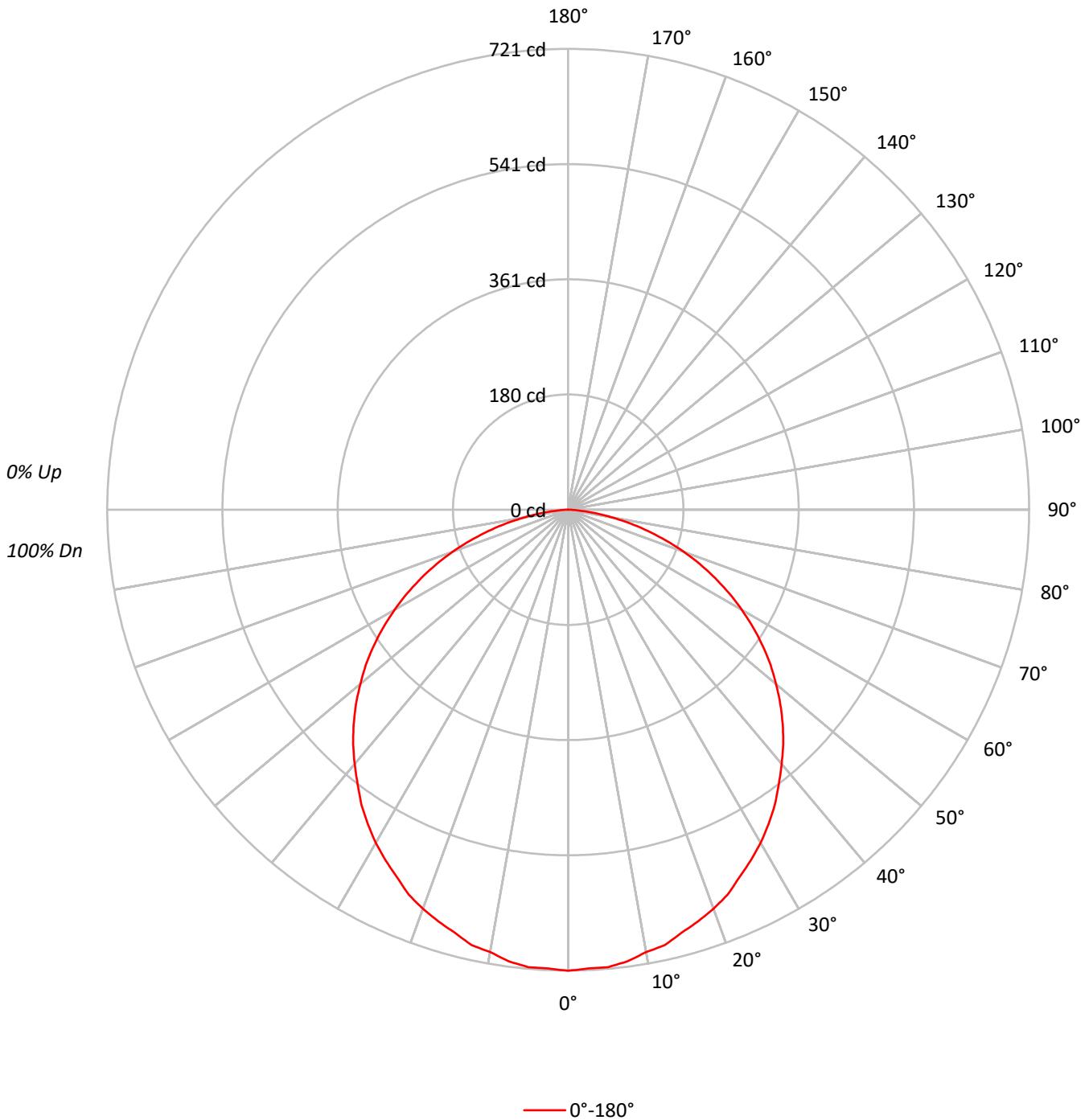
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	19703
5°	19698
10°	19491
15°	19374
20°	19316
25°	19111
30°	18981
35°	18794
40°	18521
45°	18326
50°	18035
55°	17692
60°	17132
65°	16404
70°	15342
75°	13657
80°	10948
85°	6770



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.0	3.4
10°-20°	193.7	9.6
20°-30°	292.8	14.5
30°-40°	352.1	17.4
40°-50°	365.7	18.1
50°-60°	331.5	16.4
60°-70°	250.9	12.4
70°-80°	137.0	6.8
80°-90°	29.2	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°	554.5	27.4
0°-40°	906.6	44.9
0°-60°	1603.9	79.4
0°-90°	2021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2021.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	721	
5°	718	68
15°	685	194
25°	634	293
35°	564	352
45°	474	366
55°	372	332
65°	254	251
75°	129	137
85°	22	29
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	721.3
2.5°	718.4
5°	718.4
7.5°	712.5
10°	702.7
12.5°	697.8
15°	685.1
17.5°	675.3
20°	664.5
22.5°	651.8
25°	634.1
27.5°	618.4
30°	601.8
32.5°	583.2
35°	563.6
37.5°	541.0
40°	519.4
42.5°	497.9
45°	474.4
47.5°	449.9
50°	424.4
52.5°	398.9
55°	371.5
57.5°	343.0
60°	313.6
62.5°	284.2
65°	253.8
67.5°	223.5
70°	192.1
72.5°	160.7
75°	129.4
77.5°	99.0
80°	69.6
82.5°	44.1
85°	21.6
87.5°	6.9
90°	0.0

(END OF REPORT)