

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: P364787

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364787  
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-FEU6B35-8050-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: 2134.0 lumens  
Efficiency: N/A  
Efficacy: 79.0 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

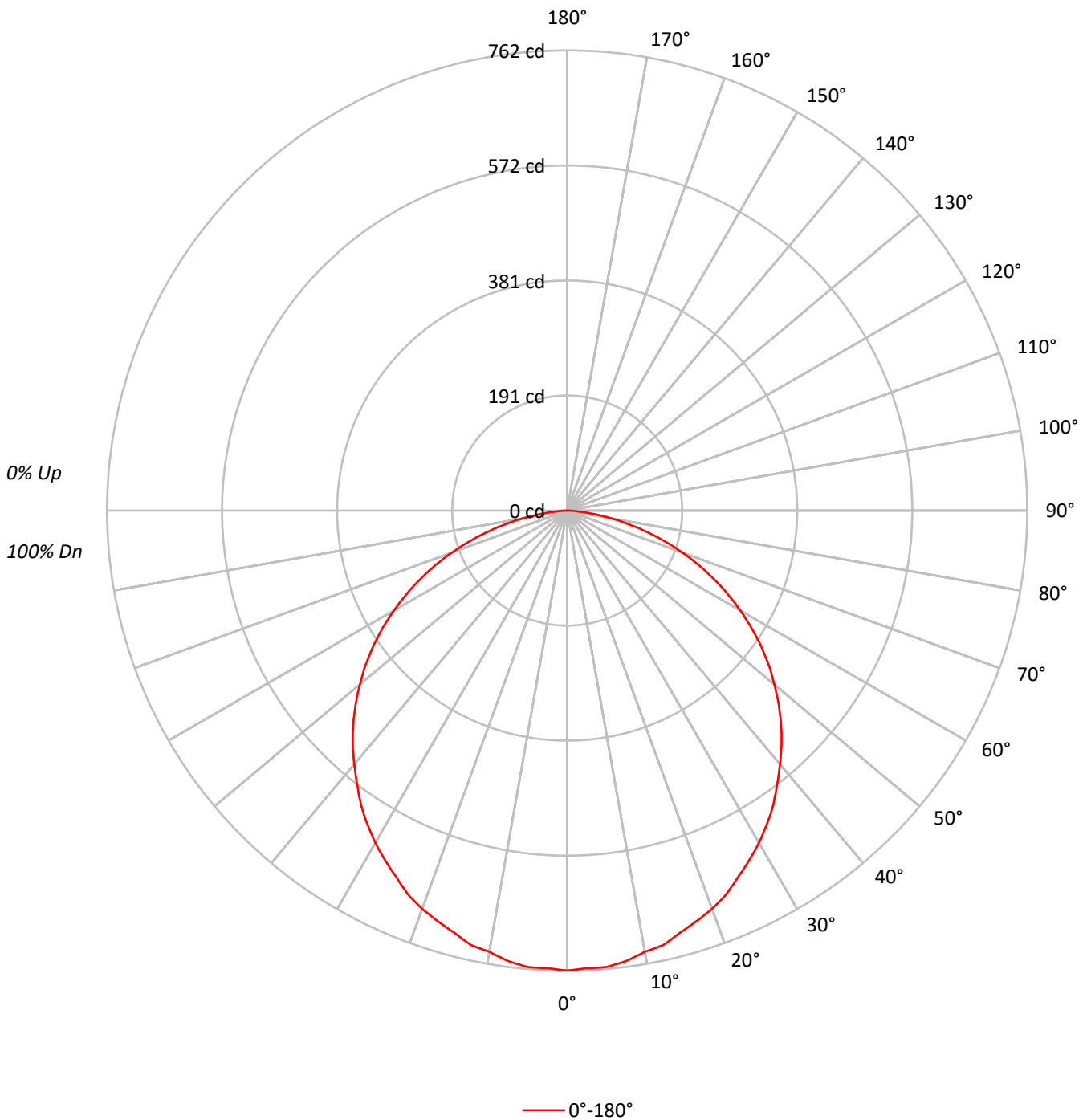
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	20806
5°	20801
10°	20581
15°	20457
20°	20397
25°	20181
30°	20041
35°	19844
40°	19558
45°	19350
50°	19042
55°	18678
60°	18094
65°	17322
70°	16197
75°	14417
80°	11562
85°	7146



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.9	3.4
10°-20°	204.5	9.6
20°-30°	309.1	14.5
30°-40°	371.8	17.4
40°-50°	386.1	18.1
50°-60°	350.1	16.4
60°-70°	265.0	12.4
70°-80°	144.7	6.8
80°-90°	30.8	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°	585.5	27.4
0°-40°	957.3	44.9
0°-60°	1693.5	79.4
0°-90°	2134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2134.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	762	
5°	759	72
15°	723	205
25°	670	309
35°	595	372
45°	501	386
55°	392	350
65°	268	265
75°	137	145
85°	23	31
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	761.7
2.5°	758.6
5°	758.6
7.5°	752.4
10°	742.0
12.5°	736.8
15°	723.4
17.5°	713.0
20°	701.7
22.5°	688.2
25°	669.6
27.5°	653.0
30°	635.4
32.5°	615.8
35°	595.1
37.5°	571.3
40°	548.5
42.5°	525.7
45°	500.9
47.5°	475.0
50°	448.1
52.5°	421.2
55°	392.2
57.5°	362.2
60°	331.2
62.5°	300.1
65°	268.0
67.5°	236.0
70°	202.8
72.5°	169.7
75°	136.6
77.5°	104.5
80°	73.5
82.5°	46.6
85°	22.8
87.5°	7.2
90°	0.0

(END OF REPORT)