

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: P365723

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365723  
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: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3602.0 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

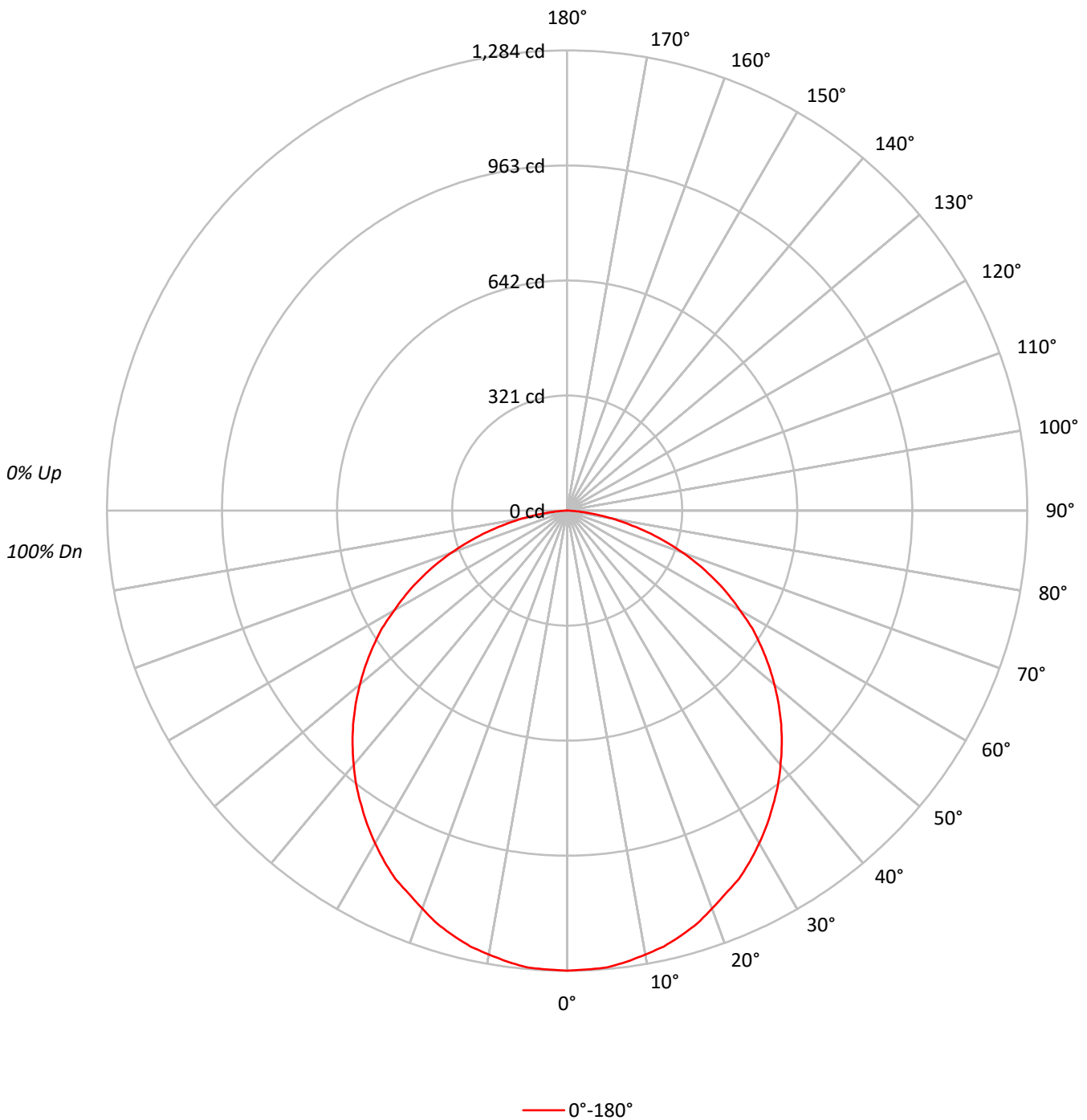
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	35067
5°	35092
10°	34887
15°	34724
20°	34359
25°	34181
30°	33818
35°	33422
40°	33033
45°	32627
50°	32071
55°	31474
60°	30429
65°	29292
70°	27425
75°	24443
80°	19789
85°	11878



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.4	3.4
10°-20°	346.3	9.6
20°-30°	521.7	14.5
30°-40°	627.4	17.4
40°-50°	651.1	18.1
50°-60°	590.1	16.4
60°-70°	447.8	12.4
70°-80°	245.0	6.8
80°-90°	51.3	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°	989.4	27.5
0°-40°	1616.8	44.9
0°-60°	2858.0	79.3
0°-90°	3602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3602.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1284	
5°	1280	121
15°	1228	346
25°	1134	522
35°	1002	627
45°	845	651
55°	661	590
65°	453	448
75°	232	245
85°	38	51
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1283.8
2.5°	1281.8
5°	1279.8
7.5°	1269.8
10°	1257.8
12.5°	1245.9
15°	1227.9
17.5°	1207.9
20°	1182.0
22.5°	1156.0
25°	1134.1
27.5°	1104.1
30°	1072.2
32.5°	1038.2
35°	1002.3
37.5°	966.3
40°	926.4
42.5°	886.5
45°	844.6
47.5°	800.6
50°	754.7
52.5°	708.8
55°	660.9
57.5°	613.0
60°	557.0
62.5°	507.1
65°	453.2
67.5°	399.3
70°	343.4
72.5°	287.5
75°	231.6
77.5°	175.7
80°	125.8
82.5°	77.9
85°	37.9
87.5°	10.0
90°	0.0

(END OF REPORT)