

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: P365775

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365775  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BL89AM  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2141.0 lumens  
Efficiency: N/A  
Efficacy: 36.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

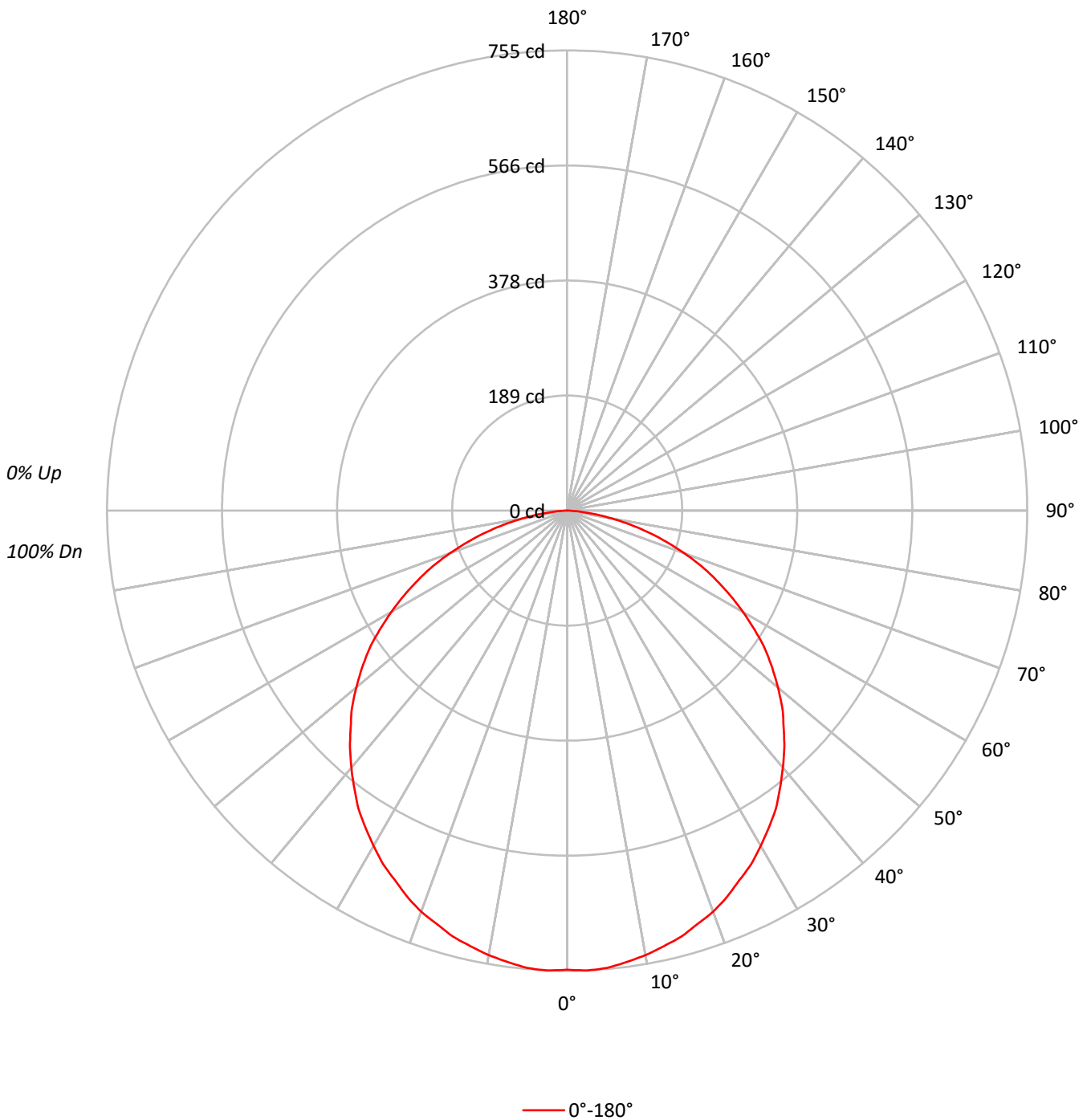
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	82	70	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	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	20577
5°	20655
10°	20542
15°	20465
20°	20362
25°	20160
30°	20032
35°	19911
40°	19637
45°	19400
50°	19186
55°	18892
60°	18214
65°	17457
70°	16348
75°	14480
80°	11625
85°	6613



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.4	3.3
10°-20°	204.0	9.5
20°-30°	308.9	14.4
30°-40°	372.7	17.4
40°-50°	388.1	18.1
50°-60°	353.0	16.5
60°-70°	267.0	12.5
70°-80°	145.7	6.8
80°-90°	30.1	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°	584.3	27.3
0°-40°	957.1	44.7
0°-60°	1698.1	79.3
0°-90°	2141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2141.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	753	
5°	753	71
15°	724	204
25°	669	309
35°	597	373
45°	502	388
55°	397	353
65°	270	267
75°	137	146
85°	21	30
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	753.3
2.5°	755.4
5°	753.3
7.5°	747.0
10°	740.6
12.5°	732.2
15°	723.7
17.5°	711.1
20°	700.5
22.5°	685.8
25°	668.9
27.5°	654.1
30°	635.1
32.5°	616.1
35°	597.1
37.5°	573.9
40°	550.7
42.5°	527.5
45°	502.2
47.5°	479.0
50°	451.5
52.5°	424.1
55°	396.7
57.5°	365.0
60°	333.4
62.5°	301.7
65°	270.1
67.5°	238.4
70°	204.7
72.5°	170.9
75°	137.2
77.5°	105.5
80°	73.9
82.5°	46.4
85°	21.1
87.5°	6.3
90°	0.0

(END OF REPORT)