

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: P365785

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365785  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)  
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-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3655.0 lumens  
Efficiency: N/A  
Efficacy: 62.9 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

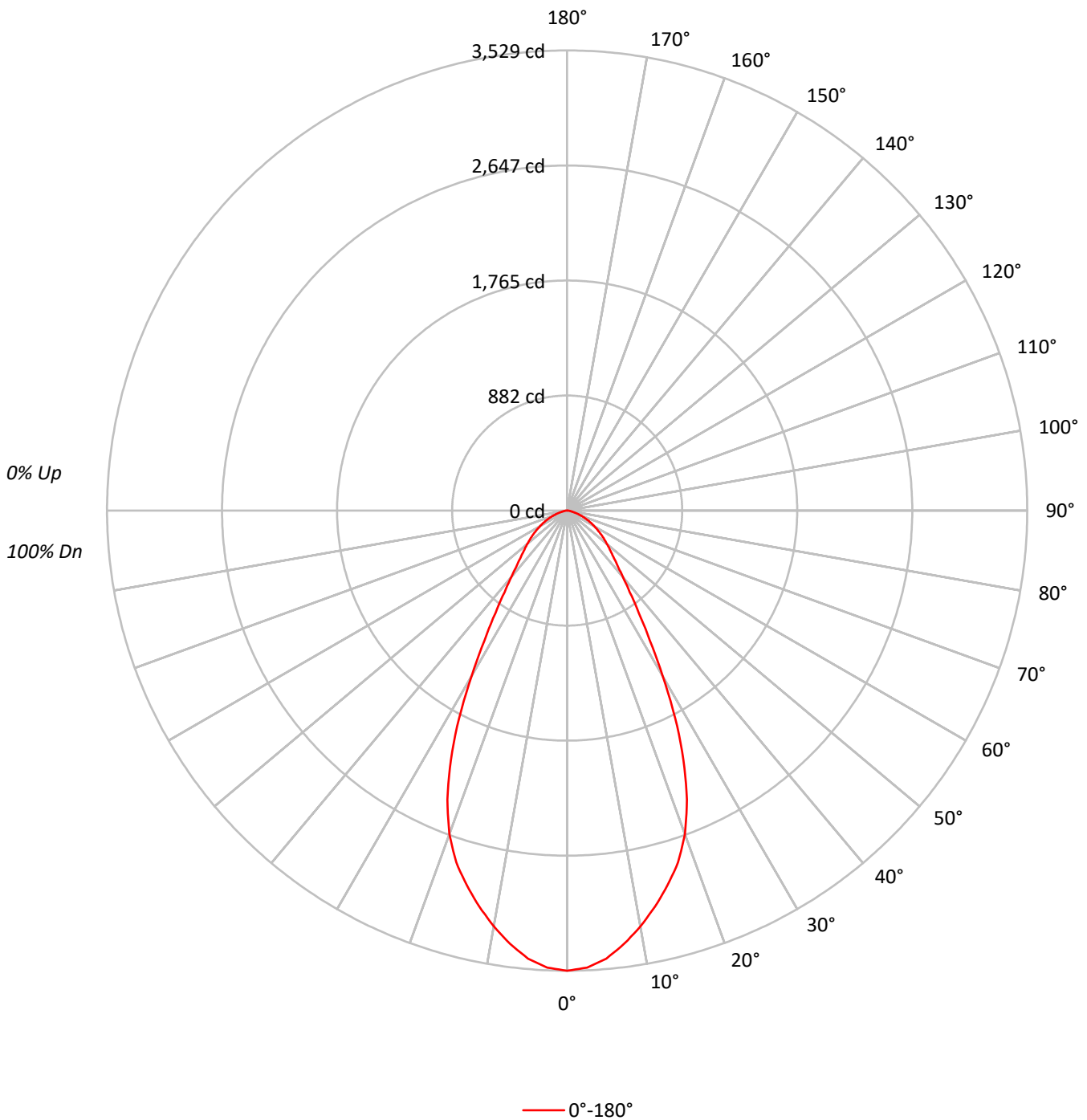
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

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

	0°
0°	252676
5°	247884
10°	235409
15°	220471
20°	201229
25°	166809
30°	121033
35°	83704
40°	61905
45°	50620
50°	44412
55°	39497
60°	34440
65°	29310
70°	23405
75°	16931
80°	12164
85°	13884



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.3	8.8
10°-20°	831.6	22.8
20°-30°	951.2	26.0
30°-40°	616.7	16.9
40°-50°	393.2	10.8
50°-60°	283.2	7.7
60°-70°	172.2	4.7
70°-80°	68.6	1.9
80°-90°	16.1	0.4
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°	2105.0	57.6
0°-40°	2721.7	74.5
0°-60°	3398.2	93.0
0°-90°	3655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3655.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3529	
5°	3449	322
15°	2974	832
25°	2111	951
35°	958	617
45°	500	393
55°	316	283
65°	173	172
75°	61	69
85°	17	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3528.9
2.5°	3507.8
5°	3448.8
7.5°	3351.7
10°	3237.8
12.5°	3111.3
15°	2974.2
17.5°	2828.6
20°	2640.9
22.5°	2400.4
25°	2111.4
27.5°	1795.0
30°	1463.9
32.5°	1179.1
35°	957.6
37.5°	788.9
40°	662.3
42.5°	569.5
45°	499.9
47.5°	445.1
50°	398.7
52.5°	356.5
55°	316.4
57.5°	276.3
60°	240.5
62.5°	206.7
65°	173.0
67.5°	141.3
70°	111.8
72.5°	86.5
75°	61.2
77.5°	42.2
80°	29.5
82.5°	19.0
85°	16.9
87.5°	8.4
90°	0.0

(END OF REPORT)