

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: P365756

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365756  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4475.0 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

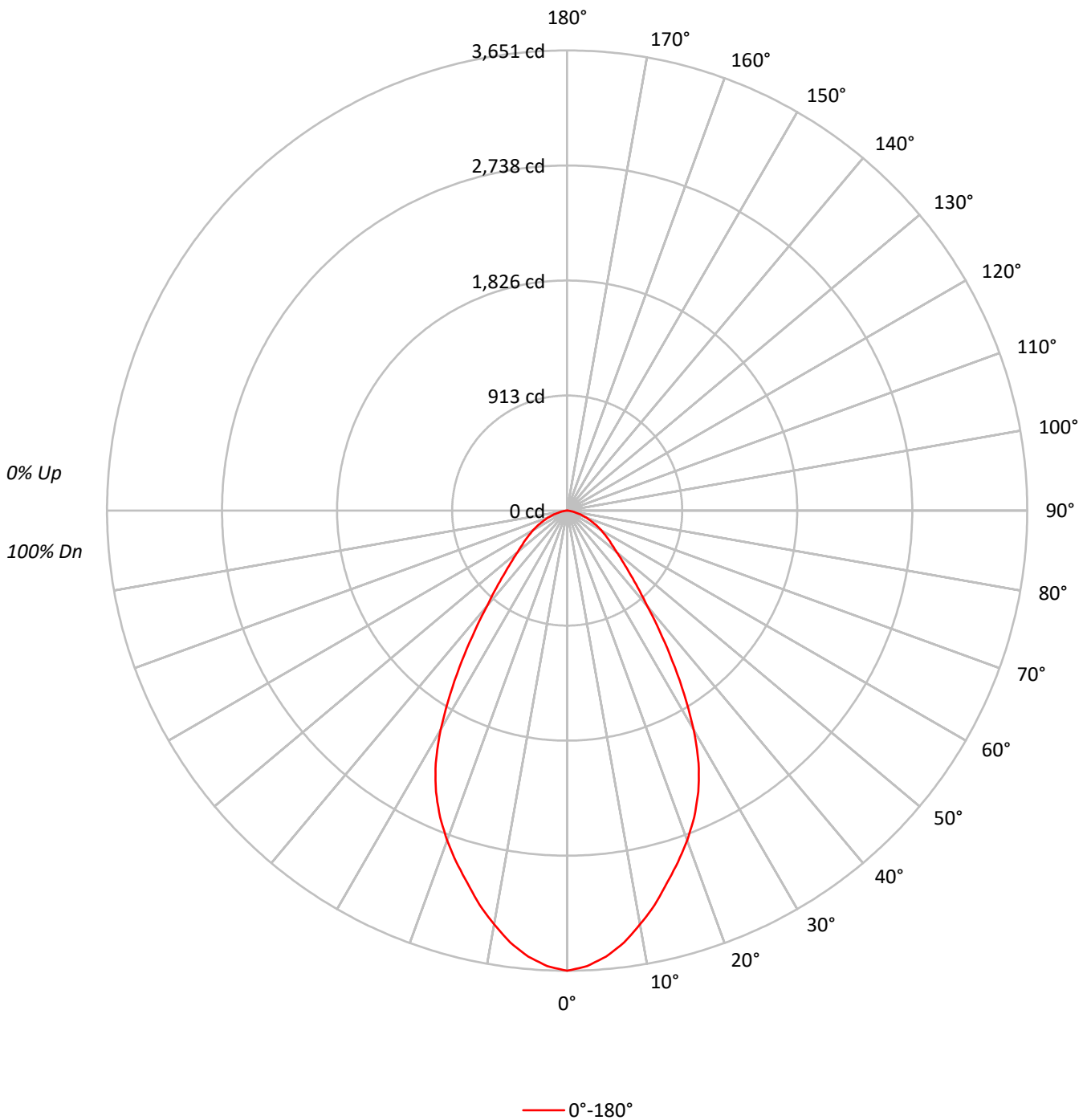
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	99720
5°	97392
10°	92463
15°	86468
20°	80923
25°	74223
30°	63322
35°	48475
40°	35244
45°	26886
50°	21787
55°	19121
60°	16985
65°	14775
70°	12499
75°	9783
80°	6481
85°	2570



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.2	7.4
10°-20°	859.8	19.2
20°-30°	1118.0	25.0
30°-40°	911.1	20.4
40°-50°	550.1	12.3
50°-60°	361.3	8.1
60°-70°	228.2	5.1
70°-80°	99.7	2.2
80°-90°	14.5	0.3
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°	2310.0	51.6
0°-40°	3221.1	72.0
0°-60°	4132.5	92.3
0°-90°	4475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4475.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3651	
5°	3552	332
15°	3058	860
25°	2463	1118
35°	1454	911
45°	696	550
55°	402	361
65°	229	228
75°	93	100
85°	8	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3650.7
2.5°	3617.8
5°	3551.9
7.5°	3457.2
10°	3333.6
12.5°	3206.0
15°	3057.7
17.5°	2923.9
20°	2783.9
22.5°	2633.6
25°	2462.7
27.5°	2258.8
30°	2007.6
32.5°	1727.6
35°	1453.7
37.5°	1202.5
40°	988.4
42.5°	827.8
45°	696.0
47.5°	593.0
50°	512.7
52.5°	450.9
55°	401.5
57.5°	354.2
60°	310.9
62.5°	269.7
65°	228.6
67.5°	191.5
70°	156.5
72.5°	123.5
75°	92.7
77.5°	63.8
80°	41.2
82.5°	22.6
85°	8.2
87.5°	2.1
90°	0.0

(END OF REPORT)