

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: P366439

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366439  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)  
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-WMH-BL86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5151.0 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

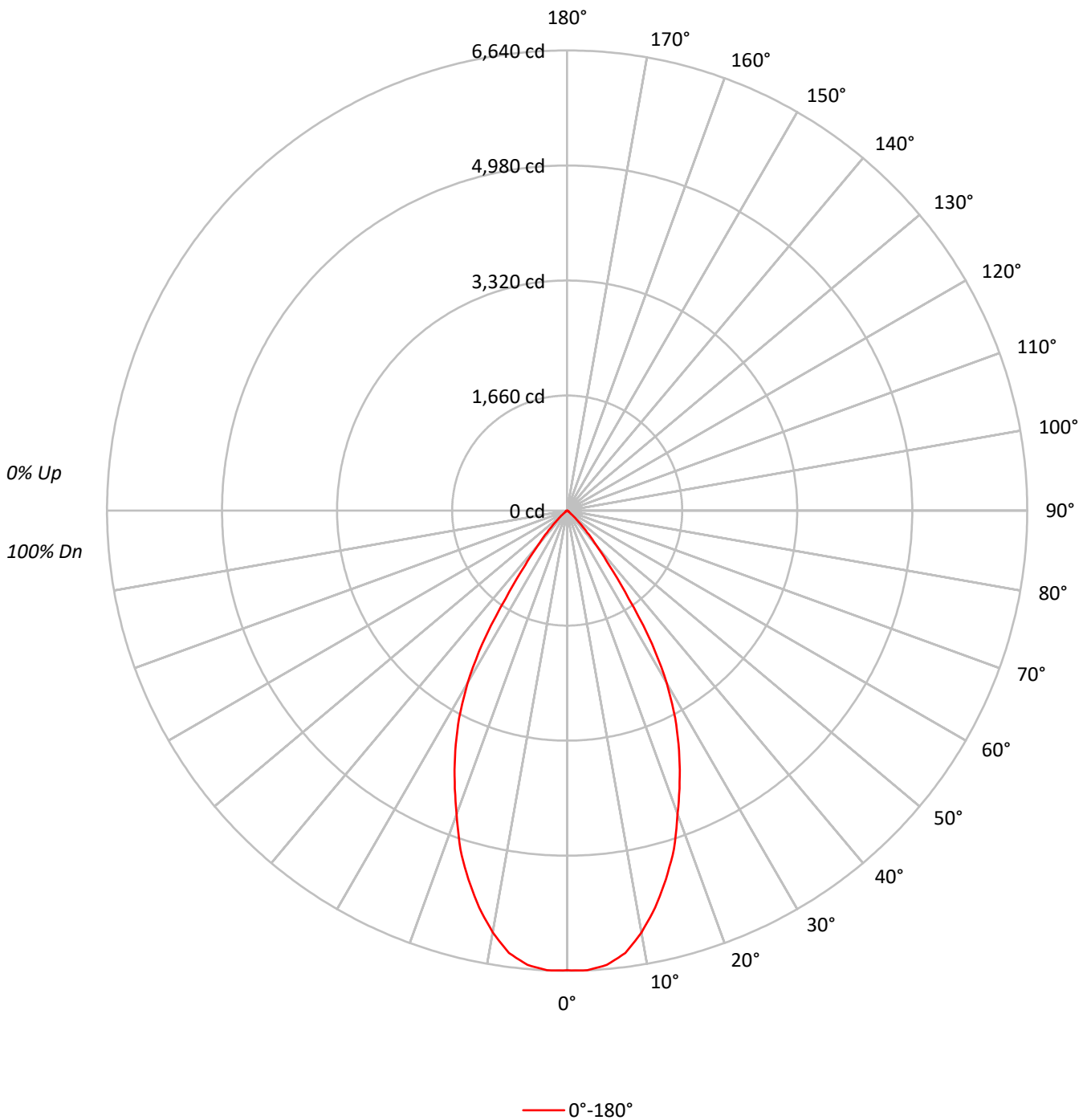
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

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

	0°
0°	181209
5°	180446
10°	171412
15°	155703
20°	135490
25°	115191
30°	90614
35°	51699
40°	23263
45°	9793
50°	3089
55°	938
60°	645
65°	511
70°	471
75°	623
80°	315
85°	627



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	615.6	12.0
10°-20°	1531.6	29.7
20°-30°	1735.6	33.7
30°-40°	1006.2	19.5
40°-50°	223.1	4.3
50°-60°	24.5	0.5
60°-70°	8.0	0.2
70°-80°	5.2	0.1
80°-90°	1.4	0.0
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°	3882.7	75.4
0°-40°	4888.9	94.9
0°-60°	5136.5	99.7
0°-90°	5151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5151.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6634	
5°	6581	616
15°	5506	1532
25°	3822	1736
35°	1550	1006
45°	254	223
55°	20	24
65°	8	8
75°	6	5
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6634.0
2.5°	6639.9
5°	6580.9
7.5°	6437.5
10°	6180.0
12.5°	5867.6
15°	5506.0
17.5°	5124.8
20°	4661.1
22.5°	4242.5
25°	3822.0
27.5°	3374.0
30°	2872.9
32.5°	2281.4
35°	1550.4
37.5°	996.3
40°	652.4
42.5°	426.4
45°	253.5
47.5°	141.5
50°	72.7
52.5°	33.4
55°	19.7
57.5°	15.7
60°	11.8
62.5°	9.8
65°	7.9
67.5°	5.9
70°	5.9
72.5°	5.9
75°	5.9
77.5°	3.9
80°	2.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)