

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: P365010

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-LI-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4424.0 lumens  
Efficiency: N/A  
Efficacy: 76.1 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

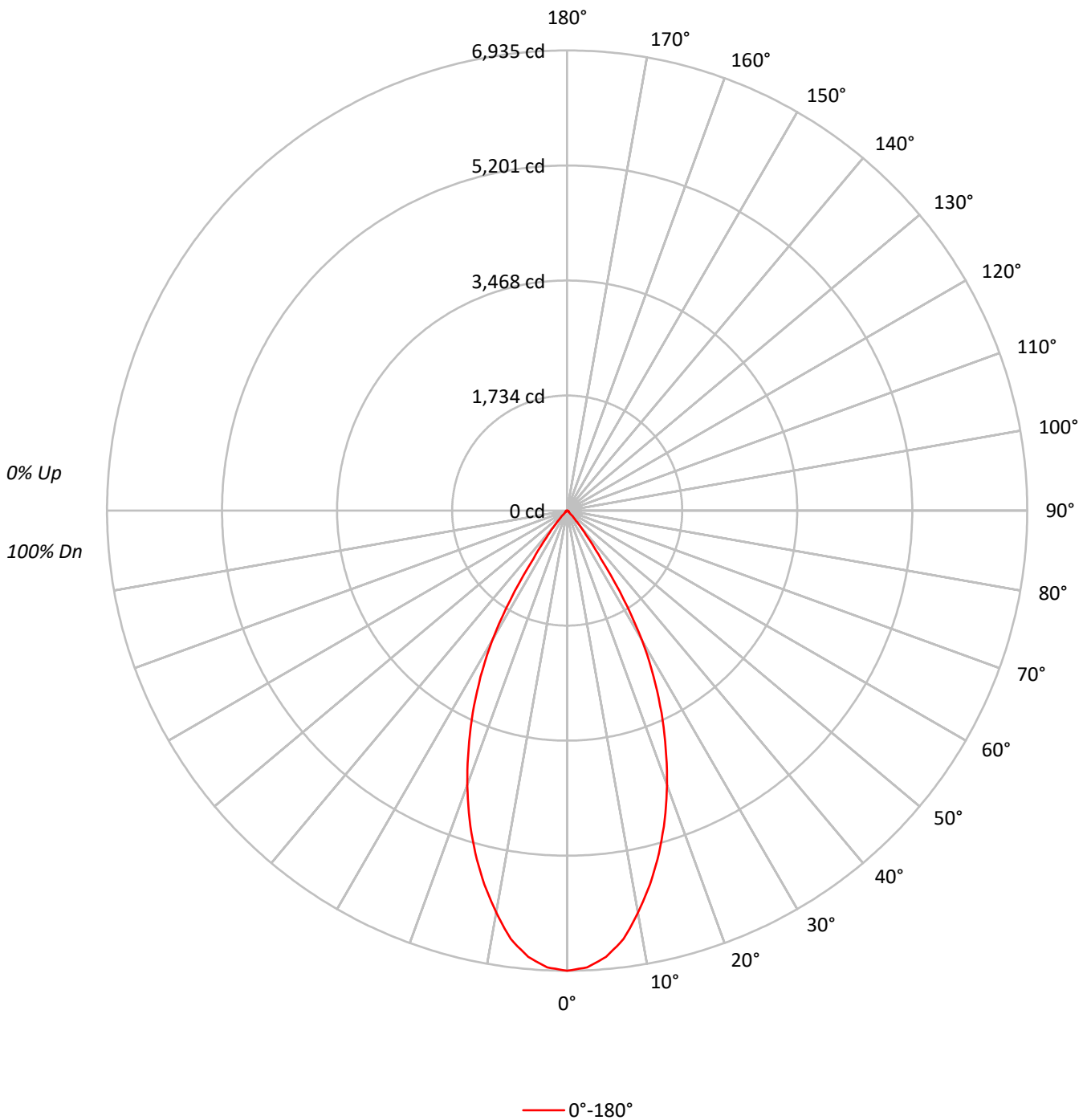
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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

	0°
0°	496537
5°	485223
10°	447326
15°	396198
20°	335435
25°	265745
30°	186755
35°	77777
40°	26686
45°	7129
50°	3921
55°	3658
60°	3365
65°	3321
70°	3266
75°	3790
80°	4824
85°	8051



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	625.6	14.1
10°-20°	1482.8	33.5
20°-30°	1522.2	34.4
30°-40°	644.6	14.6
40°-50°	79.3	1.8
50°-60°	26.2	0.6
60°-70°	19.4	0.4
70°-80°	15.0	0.3
80°-90°	9.1	0.2
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°	3630.6	82.1
0°-40°	4275.1	96.6
0°-60°	4380.6	99.0
0°-90°	4424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4424.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6935	
5°	6751	626
15°	5345	1483
25°	3364	1522
35°	890	645
45°	70	79
55°	29	26
65°	20	19
75°	14	15
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6934.7
2.5°	6889.7
5°	6750.9
7.5°	6512.3
10°	6152.5
12.5°	5769.2
15°	5344.8
17.5°	4889.1
20°	4402.2
22.5°	3883.9
25°	3363.7
27.5°	2825.9
30°	2258.8
32.5°	1591.9
35°	889.8
37.5°	510.4
40°	285.5
42.5°	150.6
45°	70.4
47.5°	41.1
50°	35.2
52.5°	31.3
55°	29.3
57.5°	27.4
60°	23.5
62.5°	21.5
65°	19.6
67.5°	17.6
70°	15.6
72.5°	15.6
75°	13.7
77.5°	13.7
80°	11.7
82.5°	11.7
85°	9.8
87.5°	5.9
90°	0.0

(END OF REPORT)