

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: P364994

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4531.0 lumens  
Efficiency: N/A  
Efficacy: 78.0 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

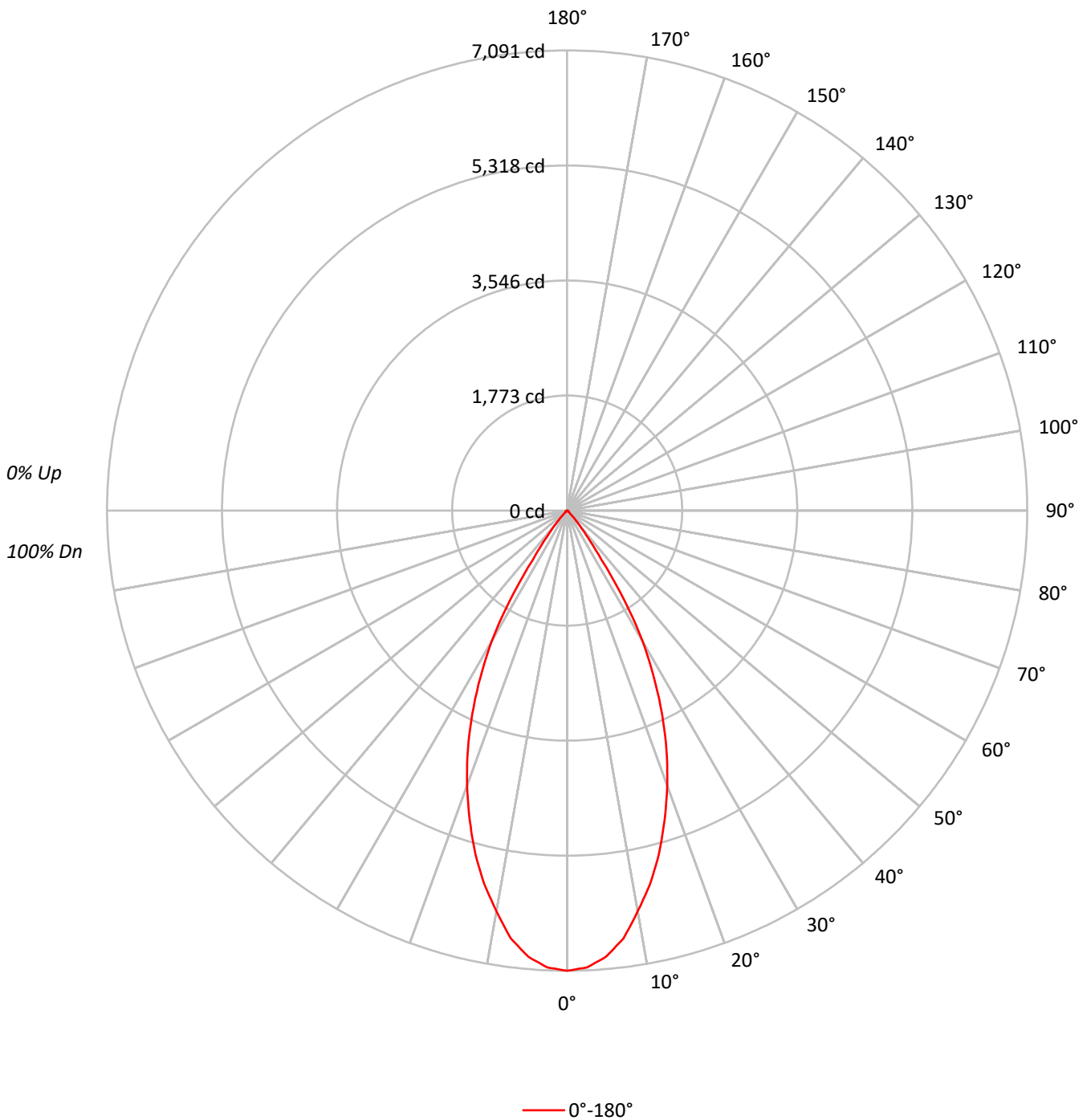
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	79
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°	507707
5°	495911
10°	455804
15°	405649
20°	343596
25°	273227
30°	192096
35°	80163
40°	27686
45°	7159
50°	3620
55°	3333
60°	3279
65°	3236
70°	3203
75°	4233
80°	4742
85°	7887



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	638.7	14.1
10°-20°	1515.9	33.5
20°-30°	1564.2	34.5
30°-40°	665.3	14.7
40°-50°	79.8	1.8
50°-60°	24.1	0.5
60°-70°	18.9	0.4
70°-80°	15.2	0.3
80°-90°	8.9	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°	3718.8	82.1
0°-40°	4384.1	96.8
0°-60°	4488.1	99.1
0°-90°	4531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4531.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7091	
5°	6900	639
15°	5472	1516
25°	3458	1564
35°	917	665
45°	71	80
55°	27	24
65°	19	19
75°	15	15
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7090.7
2.5°	7044.8
5°	6899.6
7.5°	6647.4
10°	6269.1
12.5°	5896.5
15°	5472.3
17.5°	4994.6
20°	4509.3
22.5°	4002.9
25°	3458.4
27.5°	2896.6
30°	2323.4
32.5°	1647.0
35°	917.1
37.5°	527.4
40°	296.2
42.5°	152.9
45°	70.7
47.5°	38.2
50°	32.5
52.5°	28.7
55°	26.7
57.5°	24.8
60°	22.9
62.5°	21.0
65°	19.1
67.5°	17.2
70°	15.3
72.5°	15.3
75°	15.3
77.5°	13.4
80°	11.5
82.5°	11.5
85°	9.6
87.5°	5.7
90°	0.0

(END OF REPORT)