

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: P366465

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4538.0 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

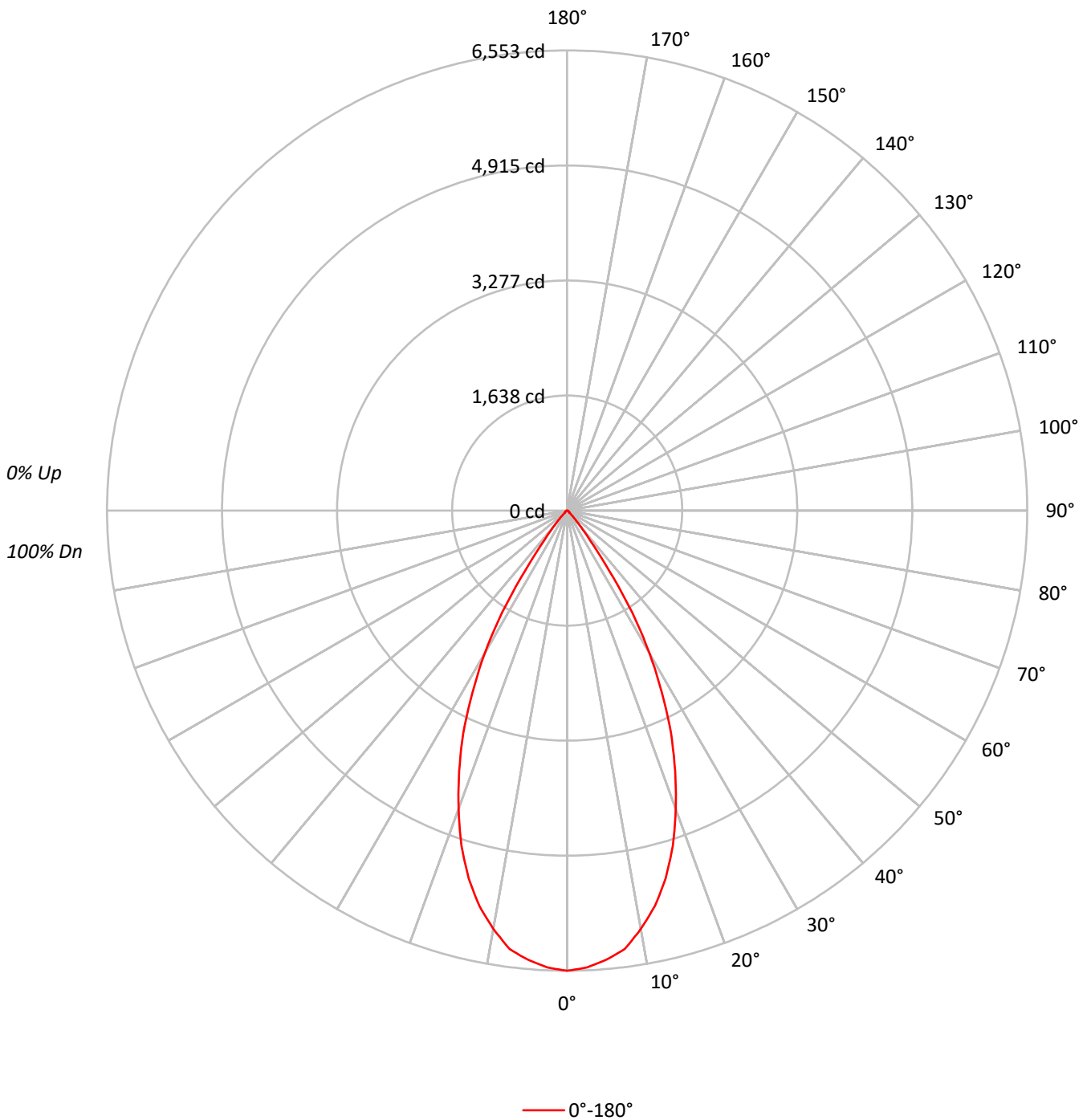
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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

	0°
0°	469178
5°	461454
10°	439692
15°	401780
20°	344556
25°	276466
30°	193832
35°	89551
40°	28751
45°	9286
50°	4311
55°	3820
60°	3795
65°	3456
70°	3412
75°	3956
80°	5031
85°	8380



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	602.1	13.3
10°-20°	1499.9	33.1
20°-30°	1575.2	34.7
30°-40°	699.0	15.4
40°-50°	90.3	2.0
50°-60°	28.2	0.6
60°-70°	19.9	0.4
70°-80°	14.5	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°	3677.2	81.0
0°-40°	4376.2	96.4
0°-60°	4494.7	99.0
0°-90°	4538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4538.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6553	
5°	6420	602
15°	5420	1500
25°	3499	1575
35°	1024	699
45°	92	90
55°	31	28
65°	20	20
75°	14	15
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6552.6
2.5°	6511.9
5°	6420.2
7.5°	6296.0
10°	6047.5
12.5°	5768.4
15°	5420.1
17.5°	5002.6
20°	4521.9
22.5°	4016.7
25°	3499.4
27.5°	2918.8
30°	2344.4
32.5°	1723.2
35°	1024.5
37.5°	545.9
40°	307.6
42.5°	169.1
45°	91.7
47.5°	46.8
50°	38.7
52.5°	34.6
55°	30.6
57.5°	28.5
60°	26.5
62.5°	22.4
65°	20.4
67.5°	16.3
70°	16.3
72.5°	14.3
75°	14.3
77.5°	12.2
80°	12.2
82.5°	10.2
85°	10.2
87.5°	6.1
90°	0.0

(END OF REPORT)