

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: P365725

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365725  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)  
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-MW-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3144.0 lumens  
Efficiency: N/A  
Efficacy: 54.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

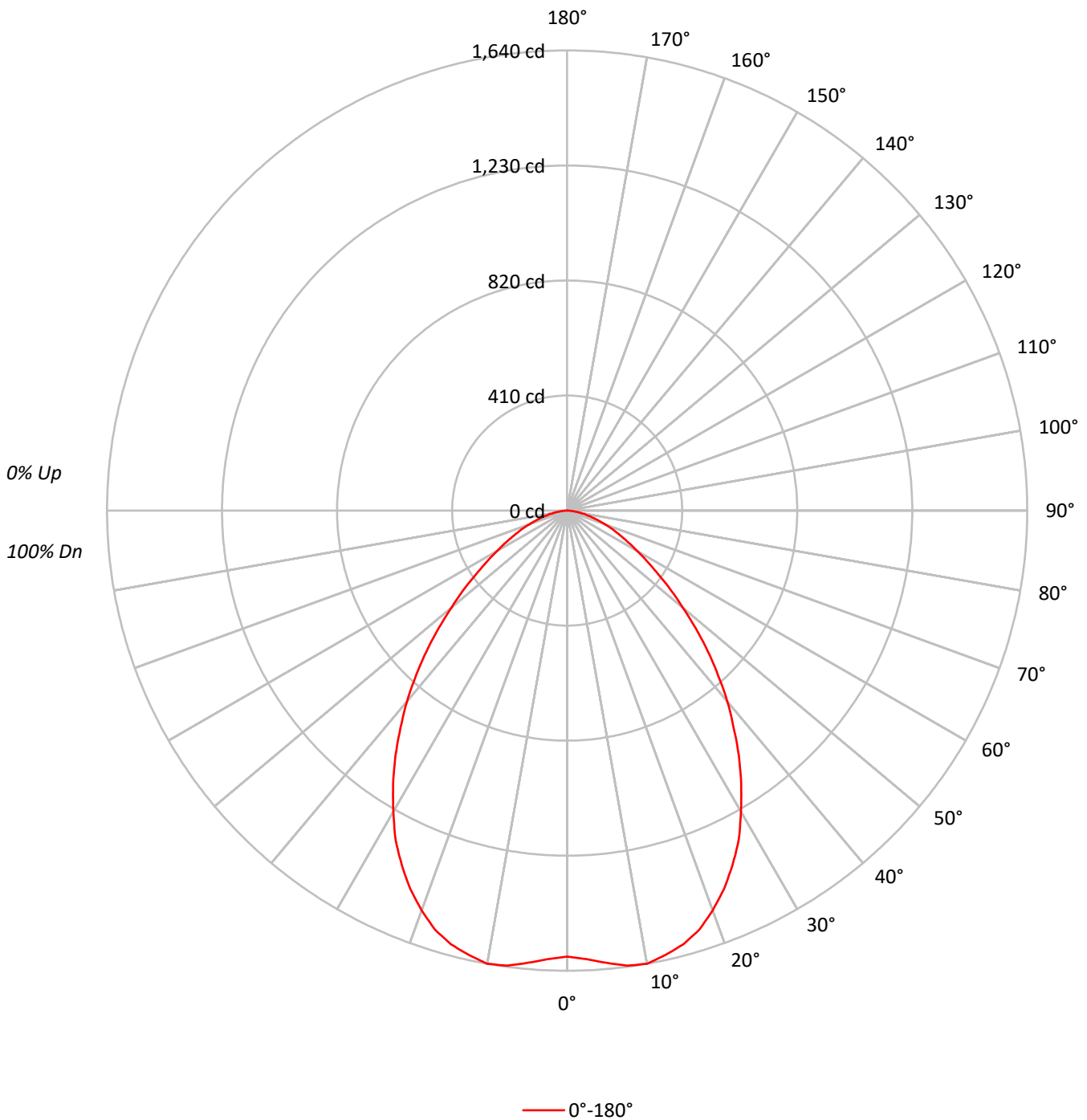
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

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

	0°
0°	113840
5°	116287
10°	119231
15°	118597
20°	115515
25°	110147
30°	102389
35°	93231
40°	83076
45°	71804
50°	59851
55°	49622
60°	41472
65°	35189
70°	30105
75°	24871
80°	19751
85°	14788



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.2	4.9
10°-20°	449.4	14.3
20°-30°	639.2	20.3
30°-40°	664.6	21.1
40°-50°	546.2	17.4
50°-60°	360.7	11.5
60°-70°	209.0	6.6
70°-80°	97.3	3.1
80°-90°	22.3	0.7
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°	1243.8	39.6
0°-40°	1908.4	60.7
0°-60°	2815.4	89.5
0°-90°	3144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3144.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1590	
5°	1618	155
15°	1600	449
25°	1394	639
35°	1067	665
45°	709	546
55°	398	361
65°	208	209
75°	90	97
85°	18	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1589.9
2.5°	1599.9
5°	1617.9
7.5°	1635.9
10°	1639.9
12.5°	1621.9
15°	1599.9
17.5°	1566.0
20°	1516.0
22.5°	1460.1
25°	1394.2
27.5°	1324.3
30°	1238.4
32.5°	1154.5
35°	1066.6
37.5°	974.7
40°	888.8
42.5°	797.0
45°	709.1
47.5°	621.2
50°	537.3
52.5°	467.4
55°	397.5
57.5°	339.6
60°	289.6
62.5°	245.7
65°	207.7
67.5°	175.8
70°	143.8
72.5°	115.8
75°	89.9
77.5°	67.9
80°	47.9
82.5°	32.0
85°	18.0
87.5°	8.0
90°	0.0

(END OF REPORT)