

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: P365771

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BL84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4855.0 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

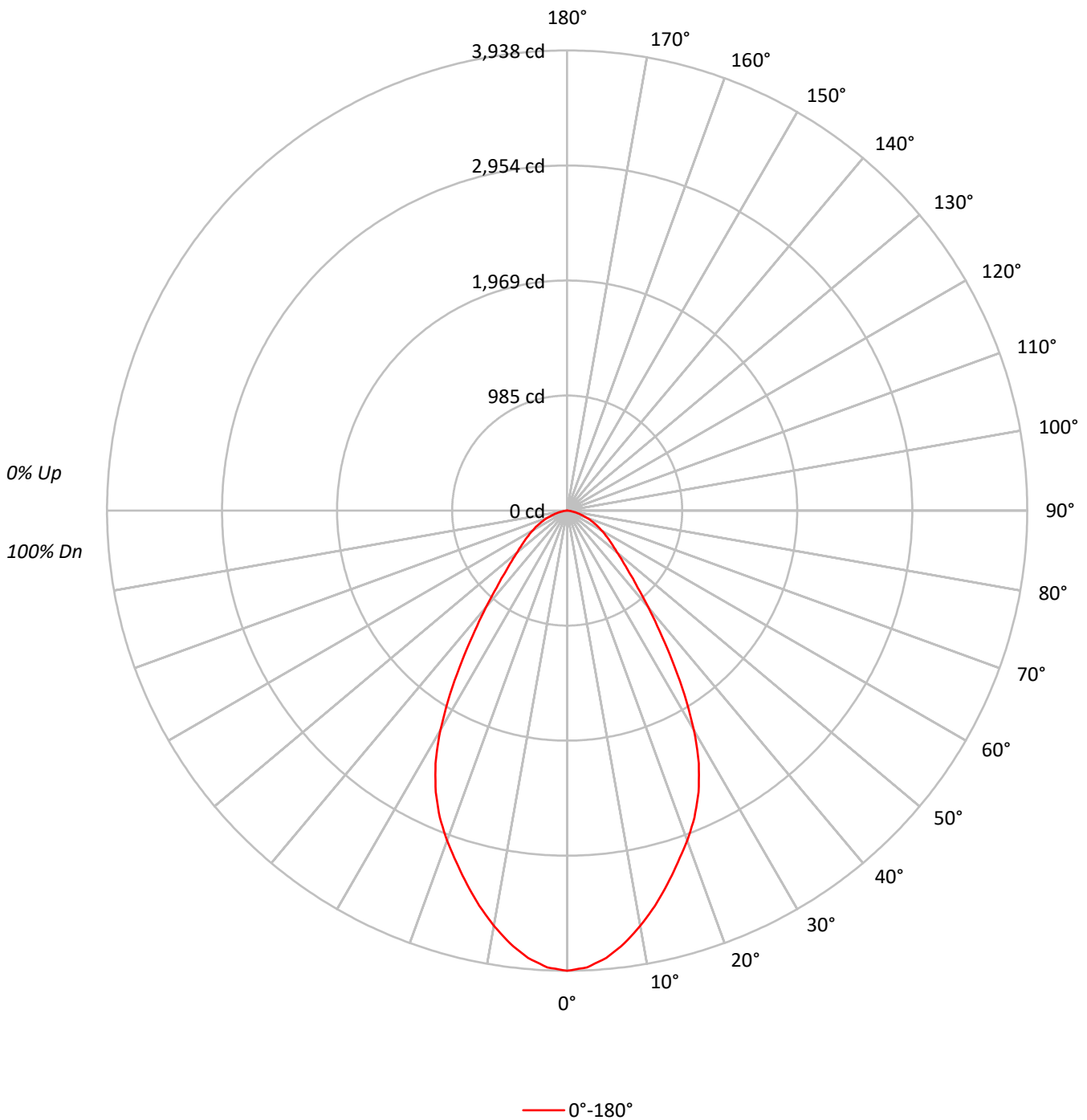
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	107562
5°	105368
10°	100093
15°	93640
20°	87365
25°	80158
30°	68453
35°	52186
40°	38432
45°	29169
50°	23750
55°	20892
60°	18667
65°	16494
70°	13984
75°	10902
80°	7299
85°	3291



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.3	7.4
10°-20°	929.2	19.1
20°-30°	1207.7	24.9
30°-40°	984.1	20.3
40°-50°	597.3	12.3
50°-60°	395.3	8.1
60°-70°	253.6	5.2
70°-80°	111.9	2.3
80°-90°	16.6	0.3
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°	2496.2	51.4
0°-40°	3480.3	71.7
0°-60°	4472.9	92.1
0°-90°	4855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4855.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3938	
5°	3843	359
15°	3311	929
25°	2660	1208
35°	1565	984
45°	755	597
55°	439	395
65°	255	254
75°	103	112
85°	10	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3937.8
2.5°	3912.5
5°	3842.8
7.5°	3737.4
10°	3608.7
12.5°	3465.3
15°	3311.3
17.5°	3153.2
20°	3005.5
22.5°	2845.2
25°	2659.6
27.5°	2440.3
30°	2170.3
32.5°	1866.6
35°	1565.0
37.5°	1297.1
40°	1077.8
42.5°	894.3
45°	755.1
47.5°	645.4
50°	558.9
52.5°	493.5
55°	438.7
57.5°	388.1
60°	341.7
62.5°	297.4
65°	255.2
67.5°	215.1
70°	175.1
72.5°	137.1
75°	103.3
77.5°	73.8
80°	46.4
82.5°	25.3
85°	10.5
87.5°	2.1
90°	0.0

(END OF REPORT)