

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: P365057

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365057  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)  
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-LI-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4349.0 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

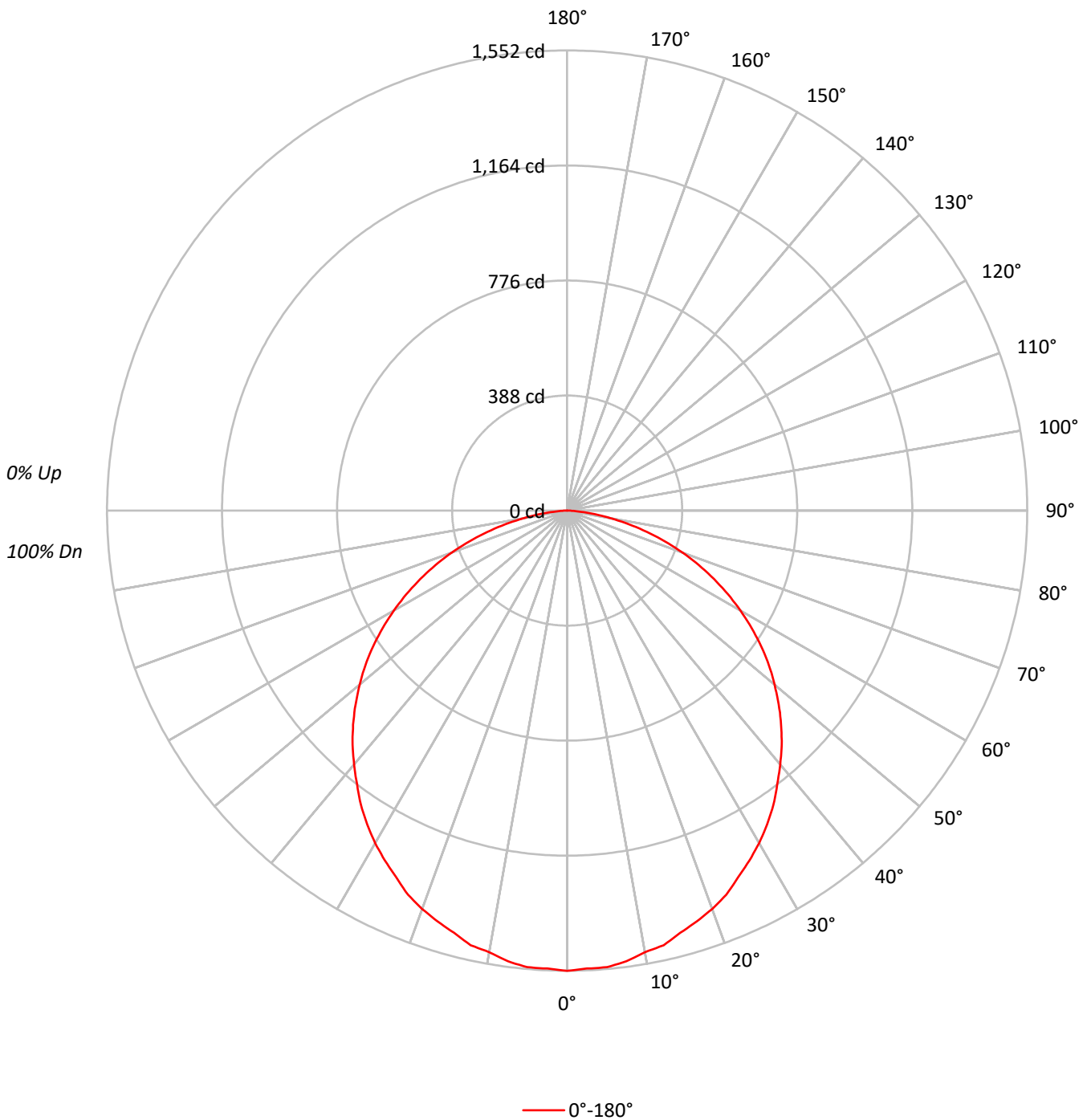
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

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

	0°
0°	42401
5°	42388
10°	41943
15°	41689
20°	41565
25°	41128
30°	40846
35°	40438
40°	39858
45°	39433
50°	38806
55°	38065
60°	36870
65°	35303
70°	33016
75°	29382
80°	23548
85°	14542



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.4	3.4
10°-20°	416.8	9.6
20°-30°	630.0	14.5
30°-40°	757.6	17.4
40°-50°	787.0	18.1
50°-60°	713.4	16.4
60°-70°	540.0	12.4
70°-80°	294.9	6.8
80°-90°	62.8	1.4
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°	1193.3	27.4
0°-40°	1950.9	44.9
0°-60°	3451.3	79.4
0°-90°	4349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4349.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1552	
5°	1546	146
15°	1474	417
25°	1365	630
35°	1213	758
45°	1021	787
55°	799	713
65°	546	540
75°	278	295
85°	46	63
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1552.3
2.5°	1545.9
5°	1545.9
7.5°	1533.3
10°	1512.2
12.5°	1501.7
15°	1474.2
17.5°	1453.1
20°	1429.9
22.5°	1402.5
25°	1364.6
27.5°	1330.8
30°	1295.0
32.5°	1254.9
35°	1212.7
37.5°	1164.2
40°	1117.8
42.5°	1071.4
45°	1020.8
47.5°	968.1
50°	913.2
52.5°	858.4
55°	799.3
57.5°	738.2
60°	674.9
62.5°	611.6
65°	546.2
67.5°	480.9
70°	413.4
72.5°	345.9
75°	278.4
77.5°	213.0
80°	149.7
82.5°	94.9
85°	46.4
87.5°	14.8
90°	0.0

(END OF REPORT)