

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: P365093

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365093  
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: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4838.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 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

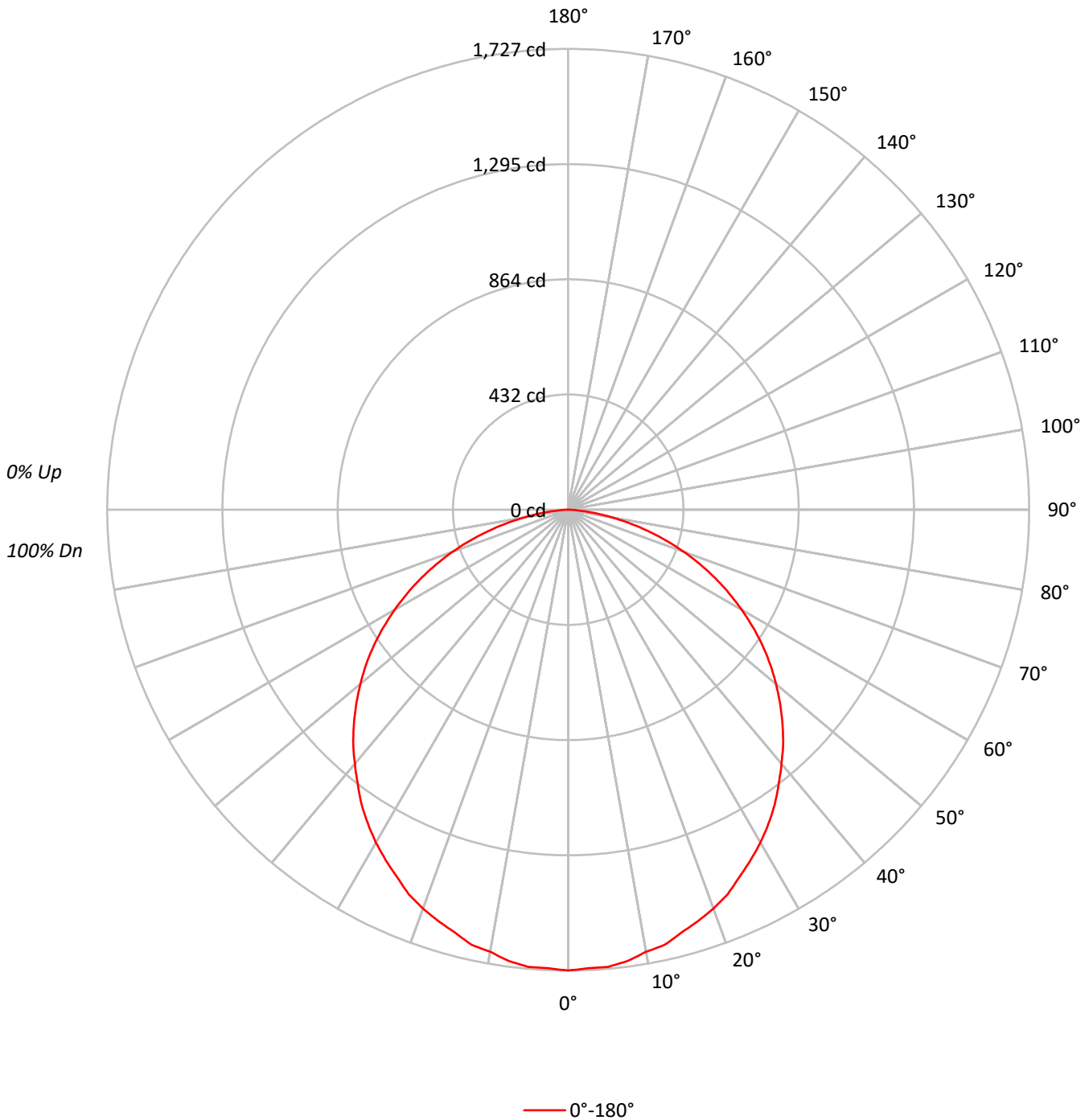
Input Watts (W): 73.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	47168
5°	47156
10°	46659
15°	46377
20°	46239
25°	45751
30°	45438
35°	44987
40°	44340
45°	43868
50°	43171
55°	42346
60°	41017
65°	39278
70°	36730
75°	32685
80°	26207
85°	16172



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.9	3.4
10°-20°	463.7	9.6
20°-30°	700.8	14.5
30°-40°	842.8	17.4
40°-50°	875.4	18.1
50°-60°	793.6	16.4
60°-70°	600.8	12.4
70°-80°	328.1	6.8
80°-90°	69.8	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°	1327.4	27.4
0°-40°	2170.3	44.9
0°-60°	3839.4	79.4
0°-90°	4838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4838.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1727	
5°	1720	163
15°	1640	464
25°	1518	701
35°	1349	843
45°	1136	875
55°	889	794
65°	608	601
75°	310	328
85°	52	70
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1726.8
2.5°	1719.8
5°	1719.8
7.5°	1705.7
10°	1682.2
12.5°	1670.5
15°	1640.0
17.5°	1616.5
20°	1590.7
22.5°	1560.2
25°	1518.0
27.5°	1480.5
30°	1440.6
32.5°	1396.0
35°	1349.1
37.5°	1295.1
40°	1243.5
42.5°	1191.9
45°	1135.6
47.5°	1076.9
50°	1015.9
52.5°	954.9
55°	889.2
57.5°	821.2
60°	750.8
62.5°	680.4
65°	607.7
67.5°	534.9
70°	459.9
72.5°	384.8
75°	309.7
77.5°	237.0
80°	166.6
82.5°	105.6
85°	51.6
87.5°	16.4
90°	0.0

(END OF REPORT)