

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: P365759

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365759  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3713.0 lumens  
Efficiency: N/A  
Efficacy: 63.9 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

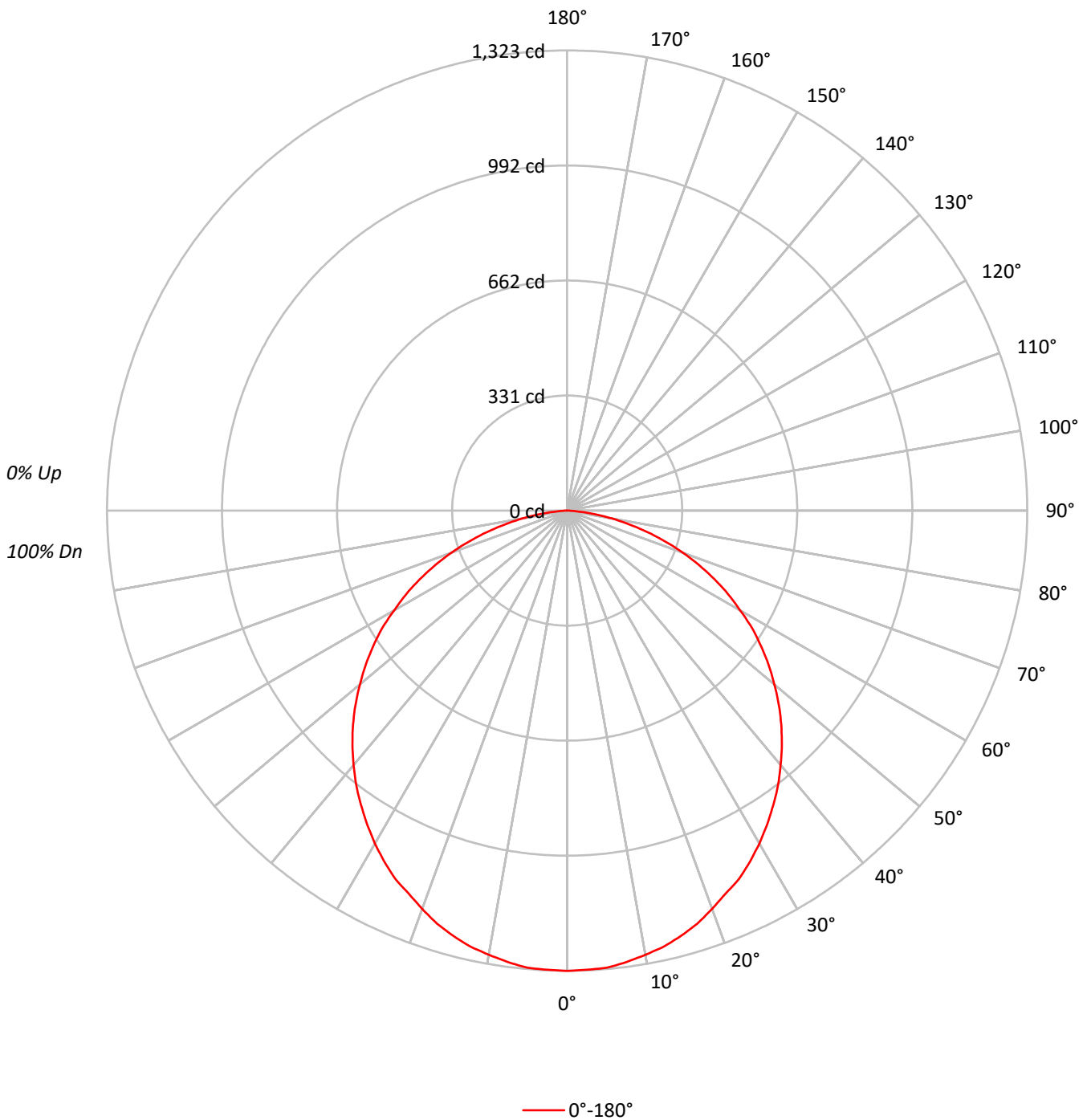
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		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	35	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°	36149
5°	36172
10°	35963
15°	35793
20°	35417
25°	35233
30°	34859
35°	34453
40°	34053
45°	33631
50°	33061
55°	32441
60°	31369
65°	30197
70°	28272
75°	25192
80°	20402
85°	12254



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.1	3.4
10°-20°	356.9	9.6
20°-30°	537.8	14.5
30°-40°	646.7	17.4
40°-50°	671.2	18.1
50°-60°	608.3	16.4
60°-70°	461.6	12.4
70°-80°	252.5	6.8
80°-90°	52.9	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°	1019.9	27.5
0°-40°	1666.6	44.9
0°-60°	2946.0	79.3
0°-90°	3713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3713.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1323	
5°	1319	125
15°	1266	357
25°	1169	538
35°	1033	647
45°	871	671
55°	681	608
65°	467	462
75°	239	253
85°	39	53
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1323.4
2.5°	1321.3
5°	1319.2
7.5°	1309.0
10°	1296.6
12.5°	1284.3
15°	1265.7
17.5°	1245.2
20°	1218.4
22.5°	1191.6
25°	1169.0
27.5°	1138.1
30°	1105.2
32.5°	1070.2
35°	1033.2
37.5°	996.1
40°	955.0
42.5°	913.8
45°	870.6
47.5°	825.3
50°	778.0
52.5°	730.6
55°	681.2
57.5°	631.8
60°	574.2
62.5°	522.8
65°	467.2
67.5°	411.6
70°	354.0
72.5°	296.4
75°	238.7
77.5°	181.1
80°	129.7
82.5°	80.3
85°	39.1
87.5°	10.3
90°	0.0

(END OF REPORT)