

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: P364661

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364661  
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: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-LI-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1415.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 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

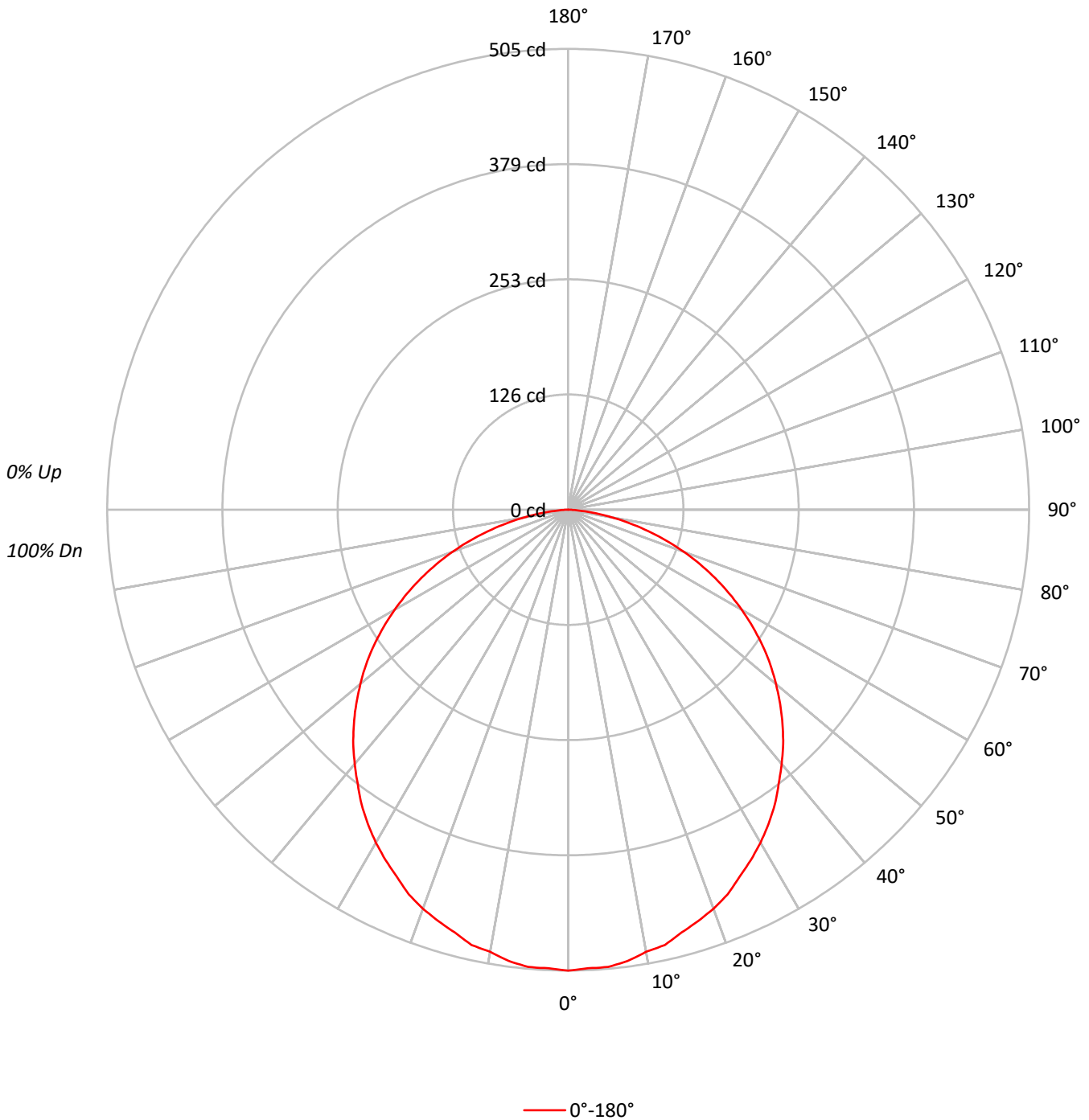
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	13797
5°	13792
10°	13646
15°	13565
20°	13525
25°	13382
30°	13288
35°	13158
40°	12969
45°	12829
50°	12625
55°	12387
60°	11997
65°	11485
70°	10742
75°	9562
80°	7661
85°	4732



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.6	3.4
10°-20°	135.6	9.6
20°-30°	205.0	14.5
30°-40°	246.5	17.4
40°-50°	256.0	18.1
50°-60°	232.1	16.4
60°-70°	175.7	12.4
70°-80°	95.9	6.8
80°-90°	20.4	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°	388.2	27.4
0°-40°	634.8	44.9
0°-60°	1122.9	79.4
0°-90°	1415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1415.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	505	
5°	503	48
15°	480	136
25°	444	205
35°	395	247
45°	332	256
55°	260	232
65°	178	176
75°	91	96
85°	15	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	505.1
2.5°	503.0
5°	503.0
7.5°	498.9
10°	492.0
12.5°	488.6
15°	479.7
17.5°	472.8
20°	465.3
22.5°	456.3
25°	444.0
27.5°	433.0
30°	421.3
32.5°	408.3
35°	394.6
37.5°	378.8
40°	363.7
42.5°	348.6
45°	332.1
47.5°	315.0
50°	297.1
52.5°	279.3
55°	260.1
57.5°	240.2
60°	219.6
62.5°	199.0
65°	177.7
67.5°	156.5
70°	134.5
72.5°	112.5
75°	90.6
77.5°	69.3
80°	48.7
82.5°	30.9
85°	15.1
87.5°	4.8
90°	0.0

(END OF REPORT)