

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: P366083

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-WMH-BL89BW  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1356.9 lumens  
Efficiency: N/A  
Efficacy: 66.8 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

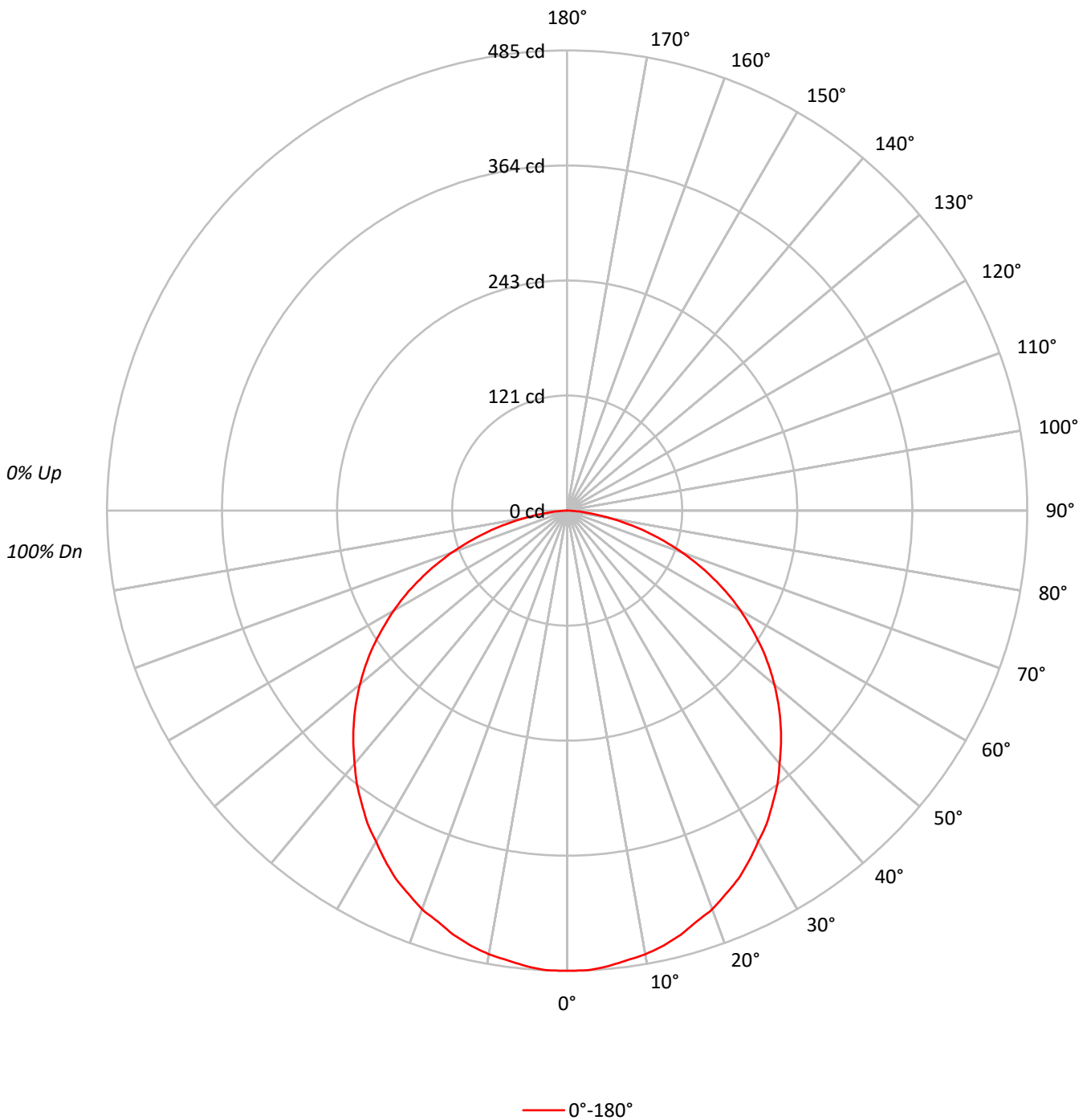
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	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	46	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°	13248
5°	13224
10°	13172
15°	13087
20°	13002
25°	12893
30°	12708
35°	12581
40°	12423
45°	12292
50°	12120
55°	11882
60°	11538
65°	11039
70°	10311
75°	9161
80°	7299
85°	4419



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.8	3.4
10°-20°	130.5	9.6
20°-30°	196.8	14.5
30°-40°	236.2	17.4
40°-50°	245.3	18.1
50°-60°	222.6	16.4
60°-70°	168.9	12.4
70°-80°	91.7	6.8
80°-90°	19.1	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°	373.1	27.5
0°-40°	609.3	44.9
0°-60°	1077.2	79.4
0°-90°	1356.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	485	
5°	482	46
15°	463	131
25°	428	197
35°	377	236
45°	318	245
55°	250	223
65°	171	169
75°	87	92
85°	14	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	485.0
2.5°	485.0
5°	482.3
7.5°	478.2
10°	474.9
12.5°	469.5
15°	462.8
17.5°	454.0
20°	447.3
22.5°	437.2
25°	427.8
27.5°	415.7
30°	402.9
32.5°	391.5
35°	377.3
37.5°	363.9
40°	348.4
42.5°	333.6
45°	318.2
47.5°	302.0
50°	285.2
52.5°	267.7
55°	249.5
57.5°	230.0
60°	211.2
62.5°	191.7
65°	170.8
67.5°	150.0
70°	129.1
72.5°	107.6
75°	86.8
77.5°	65.9
80°	46.4
82.5°	28.9
85°	14.1
87.5°	4.0
90°	0.0

(END OF REPORT)