

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: P365412

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365412  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 2000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1629.0 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

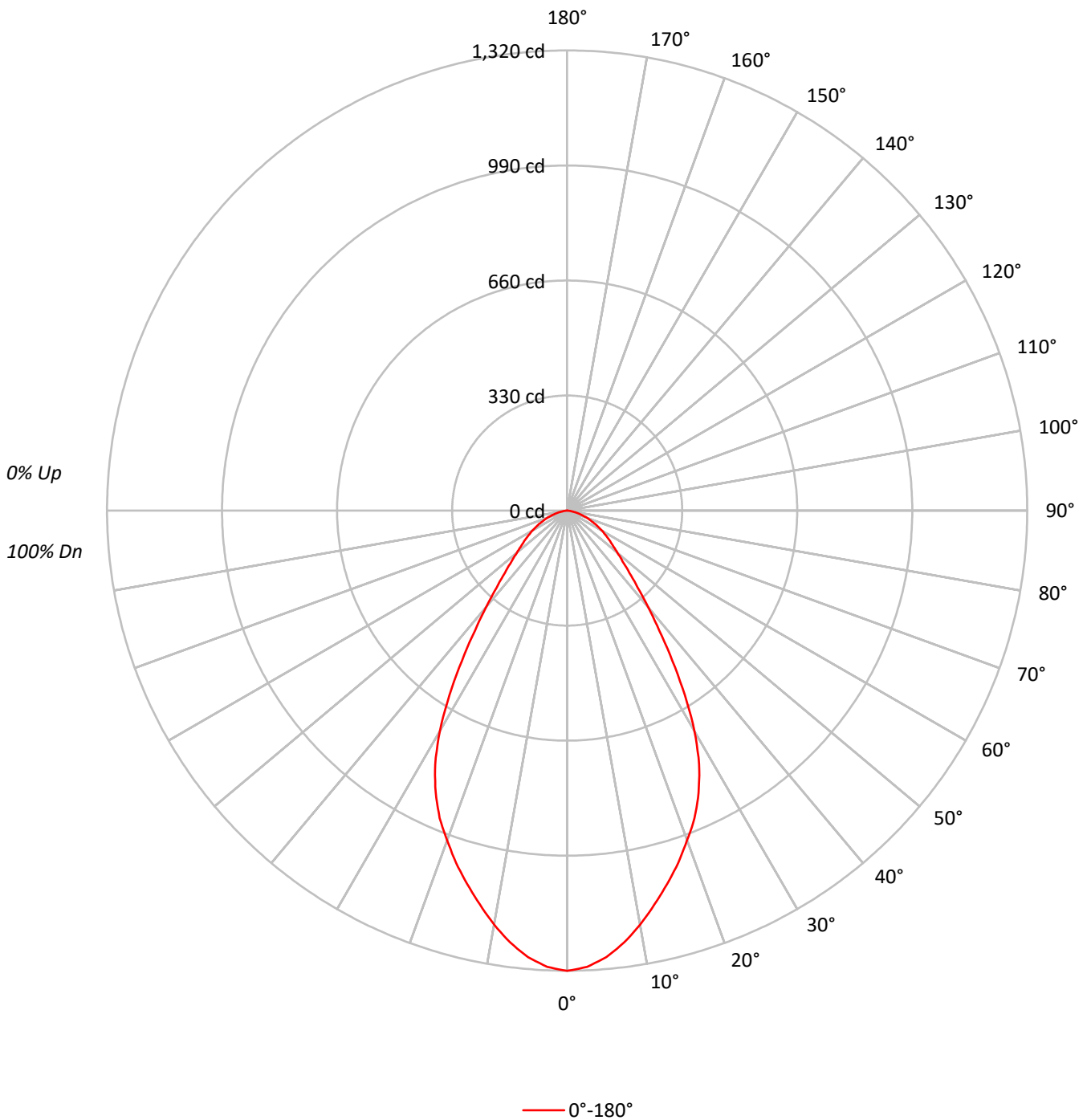
Input Watts (W): 20.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	36062
5°	35264
10°	33448
15°	31350
20°	29251
25°	26905
30°	23050
35°	17547
40°	12890
45°	9766
50°	7998
55°	7034
60°	6283
65°	5507
70°	4704
75°	3673
80°	2454
85°	1128



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.2	7.4
10°-20°	311.2	19.1
20°-30°	405.5	24.9
30°-40°	330.6	20.3
40°-50°	200.2	12.3
50°-60°	132.9	8.2
60°-70°	85.0	5.2
70°-80°	37.7	2.3
80°-90°	5.6	0.3
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°	837.0	51.4
0°-40°	1167.6	71.7
0°-60°	1500.7	92.1
0°-90°	1629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1629.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1320	
5°	1286	120
15°	1109	311
25°	893	406
35°	526	331
45°	253	200
55°	148	133
65°	85	85
75°	35	38
85°	4	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1320.2
2.5°	1310.3
5°	1286.1
7.5°	1249.9
10°	1205.9
12.5°	1157.6
15°	1108.6
17.5°	1059.6
20°	1006.3
22.5°	955.2
25°	892.7
27.5°	820.2
30°	730.8
32.5°	628.5
35°	526.2
37.5°	433.9
40°	361.5
42.5°	299.7
45°	252.8
47.5°	215.9
50°	188.2
52.5°	165.5
55°	147.7
57.5°	130.7
60°	115.0
62.5°	100.1
65°	85.2
67.5°	71.7
70°	58.9
72.5°	46.2
75°	34.8
77.5°	24.9
80°	15.6
82.5°	8.5
85°	3.6
87.5°	0.7
90°	0.0

(END OF REPORT)