

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: P366210

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366210  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2290.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

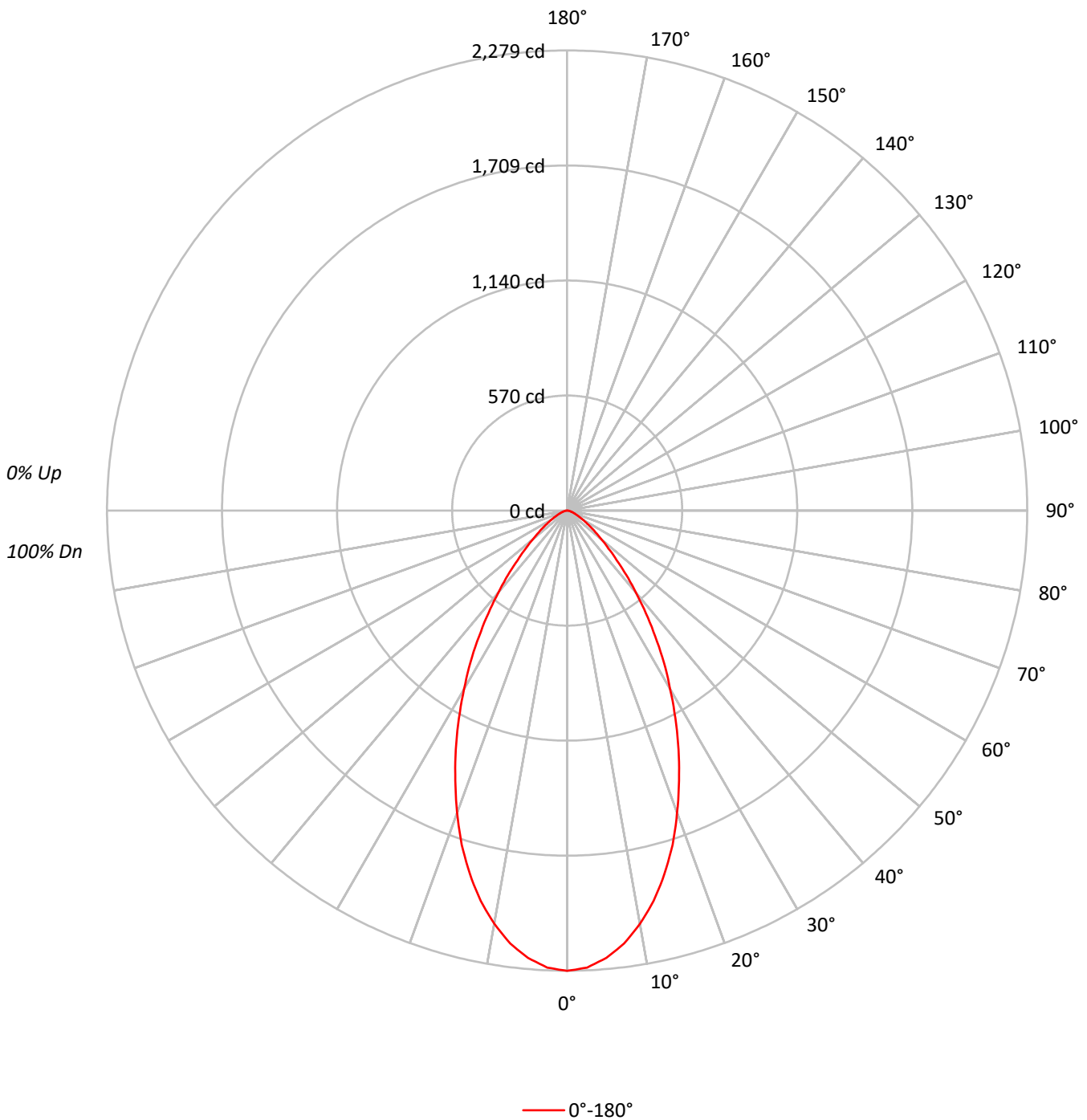
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

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

	0°
0°	163209
5°	159836
10°	151106
15°	138107
20°	121329
25°	103132
30°	84374
35°	66414
40°	49483
45°	35097
50°	24763
55°	17789
60°	12731
65°	9251
70°	7202
75°	5865
80°	4989
85°	5011



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.7	9.1
10°-20°	518.4	22.6
20°-30°	596.4	26.0
30°-40°	475.9	20.8
40°-50°	274.3	12.0
50°-60°	130.8	5.7
60°-70°	56.6	2.5
70°-80°	23.2	1.0
80°-90°	6.9	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°	1322.5	57.7
0°-40°	1798.3	78.5
0°-60°	2203.4	96.2
0°-90°	2290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2290.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2279	
5°	2224	208
15°	1863	518
25°	1305	596
35°	760	476
45°	347	274
55°	142	131
65°	55	57
75°	21	23
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2279.4
2.5°	2265.3
5°	2223.8
7.5°	2162.2
10°	2078.3
12.5°	1980.3
15°	1863.1
17.5°	1735.8
20°	1592.3
22.5°	1447.9
25°	1305.4
27.5°	1160.9
30°	1020.5
32.5°	892.2
35°	759.8
37.5°	641.6
40°	529.4
42.5°	433.5
45°	346.6
47.5°	277.9
50°	222.3
52.5°	177.8
55°	142.5
57.5°	112.2
60°	88.9
62.5°	69.7
65°	54.6
67.5°	43.4
70°	34.4
72.5°	27.3
75°	21.2
77.5°	16.2
80°	12.1
82.5°	9.1
85°	6.1
87.5°	4.0
90°	0.0

(END OF REPORT)