

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: P364717

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364717  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2067.9 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

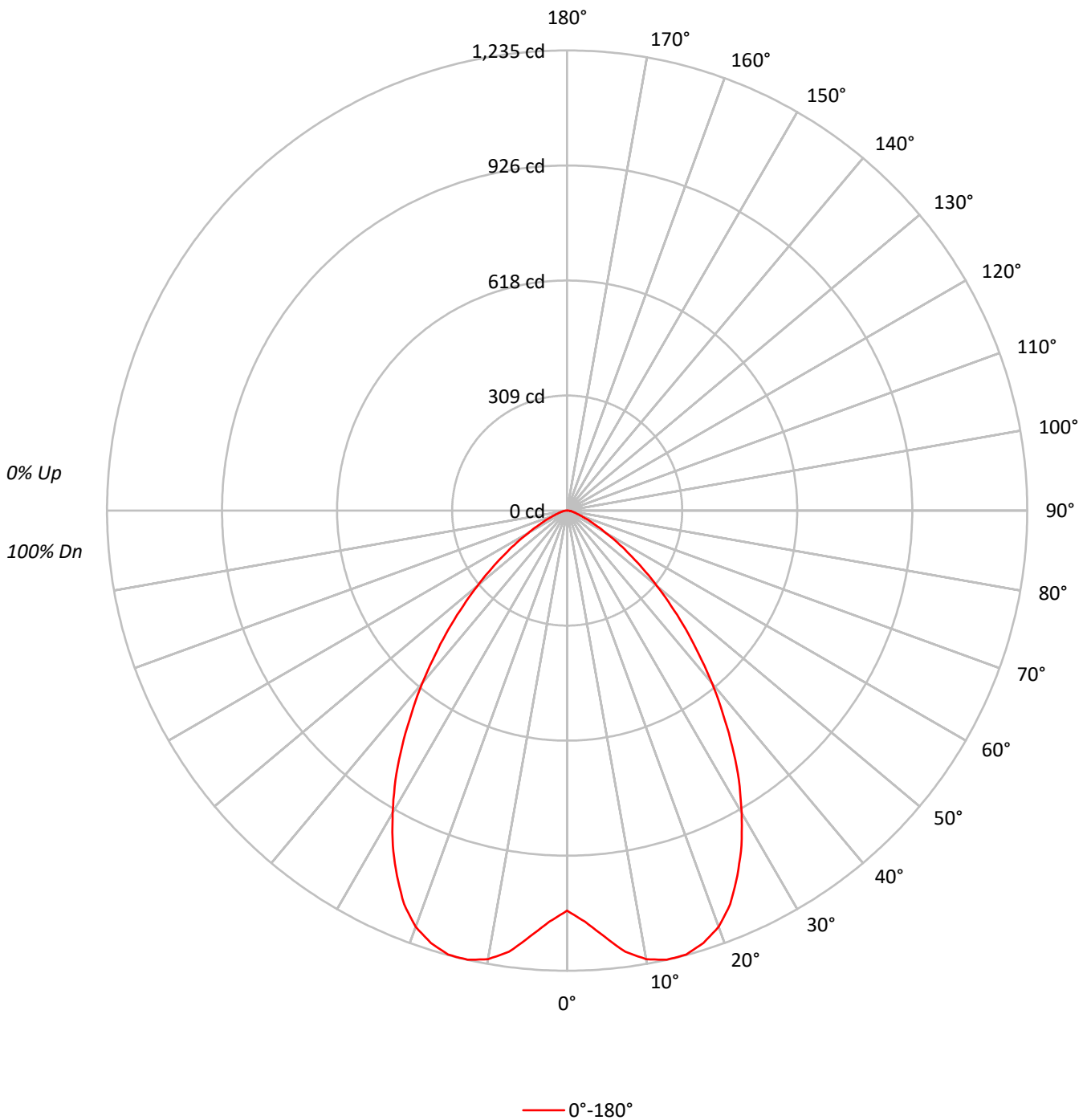
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98		98	96	95		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	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	76857
5°	82477
10°	88884
15°	91451
20°	90575
25°	85395
30°	77429
35°	67524
40°	56605
45°	45567
50°	35089
55°	25516
60°	17313
65°	11436
70°	7453
75°	5699
80°	5031
85°	6162



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.0	5.4
10°-20°	346.1	16.7
20°-30°	494.2	23.9
30°-40°	480.8	23.2
40°-50°	347.8	16.8
50°-60°	186.4	9.0
60°-70°	70.3	3.4
70°-80°	23.1	1.1
80°-90°	7.3	0.4
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°	952.3	46.1
0°-40°	1433.1	69.3
0°-60°	1967.3	95.1
0°-90°	2067.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2067.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1073	
5°	1148	112
15°	1234	346
25°	1081	494
35°	772	481
45°	450	348
55°	204	186
65°	68	70
75°	21	23
85°	8	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1073.4
2.5°	1104.3
5°	1147.5
7.5°	1194.3
10°	1222.5
12.5°	1234.7
15°	1233.7
17.5°	1216.8
20°	1188.7
22.5°	1143.7
25°	1080.9
27.5°	1013.4
30°	936.5
32.5°	857.8
35°	772.5
37.5°	686.2
40°	605.6
42.5°	523.1
45°	450.0
47.5°	378.7
50°	315.0
52.5°	255.9
55°	204.4
57.5°	160.3
60°	120.9
62.5°	90.9
65°	67.5
67.5°	48.7
70°	35.6
72.5°	27.2
75°	20.6
77.5°	15.9
80°	12.2
82.5°	9.4
85°	7.5
87.5°	3.7
90°	0.0

(END OF REPORT)