

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: P366232

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2288.0 lumens  
Efficiency: N/A  
Efficacy: 84.7 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

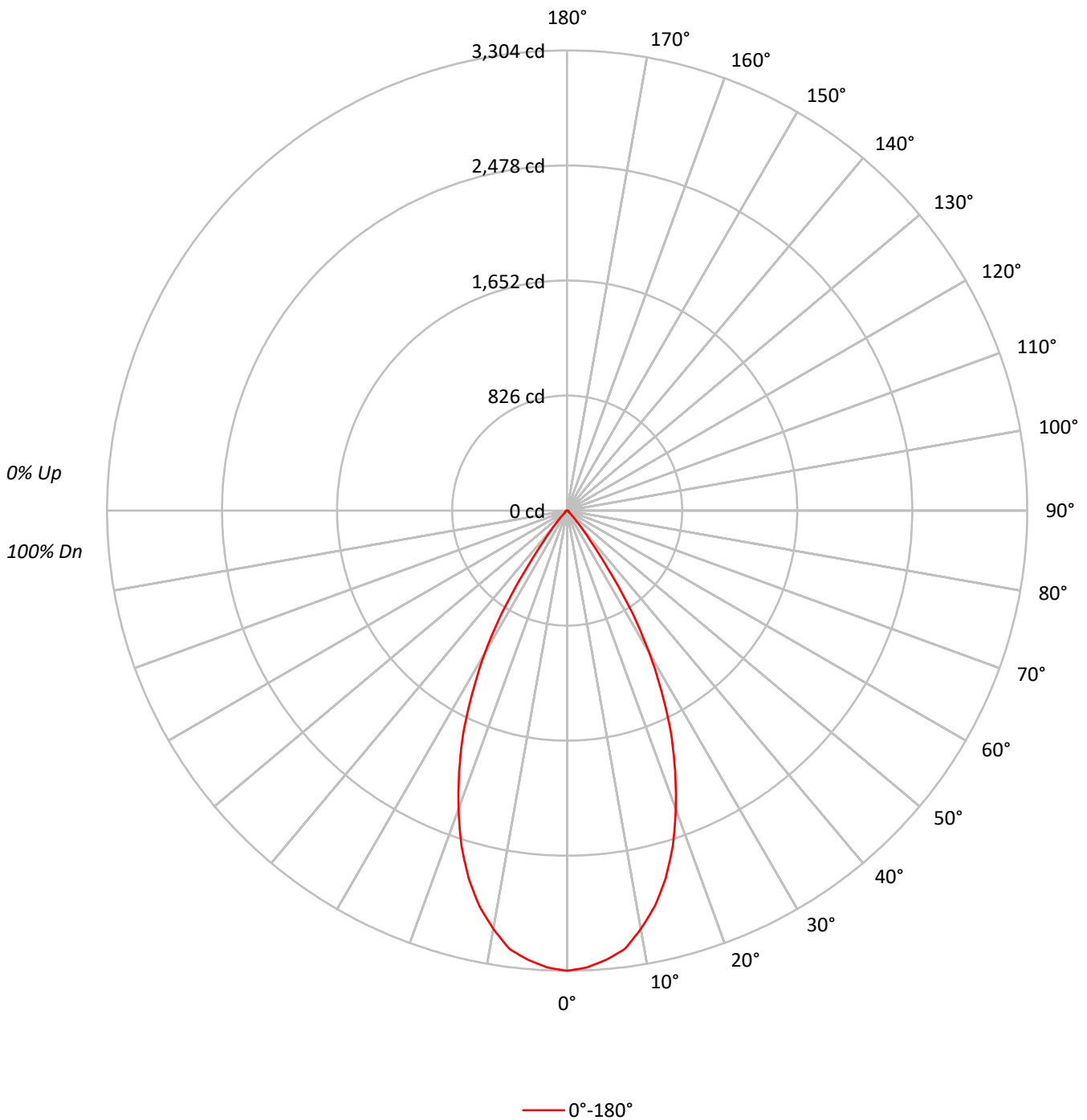
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

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

	0°
0°	236558
5°	232661
10°	221689
15°	202576
20°	173722
25°	139387
30°	97726
35°	45156
40°	14497
45°	4678
50°	2172
55°	1922
60°	1919
65°	1745
70°	1717
75°	1992
80°	2556
85°	4190



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.6	13.3
10°-20°	756.2	33.1
20°-30°	794.2	34.7
30°-40°	352.4	15.4
40°-50°	45.5	2.0
50°-60°	14.2	0.6
60°-70°	10.0	0.4
70°-80°	7.3	0.3
80°-90°	4.5	0.2
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°	1854.0	81.0
0°-40°	2206.4	96.4
0°-60°	2266.2	99.0
0°-90°	2288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3304	
5°	3237	304
15°	2733	756
25°	1764	794
35°	517	352
45°	46	46
55°	15	14
65°	10	10
75°	7	7
85°	5	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3303.8
2.5°	3283.2
5°	3237.0
7.5°	3174.4
10°	3049.1
12.5°	2908.4
15°	2732.8
17.5°	2522.2
20°	2279.9
22.5°	2025.2
25°	1764.3
27.5°	1471.6
30°	1182.0
32.5°	868.8
35°	516.6
37.5°	275.2
40°	155.1
42.5°	85.2
45°	46.2
47.5°	23.6
50°	19.5
52.5°	17.5
55°	15.4
57.5°	14.4
60°	13.4
62.5°	11.3
65°	10.3
67.5°	8.2
70°	8.2
72.5°	7.2
75°	7.2
77.5°	6.2
80°	6.2
82.5°	5.1
85°	5.1
87.5°	3.1
90°	0.0

(END OF REPORT)