

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: P366198

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366198  
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-FEU6B35-8035-F6LBXVM1-WMH-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2181.0 lumens  
Efficiency: N/A  
Efficacy: 80.8 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

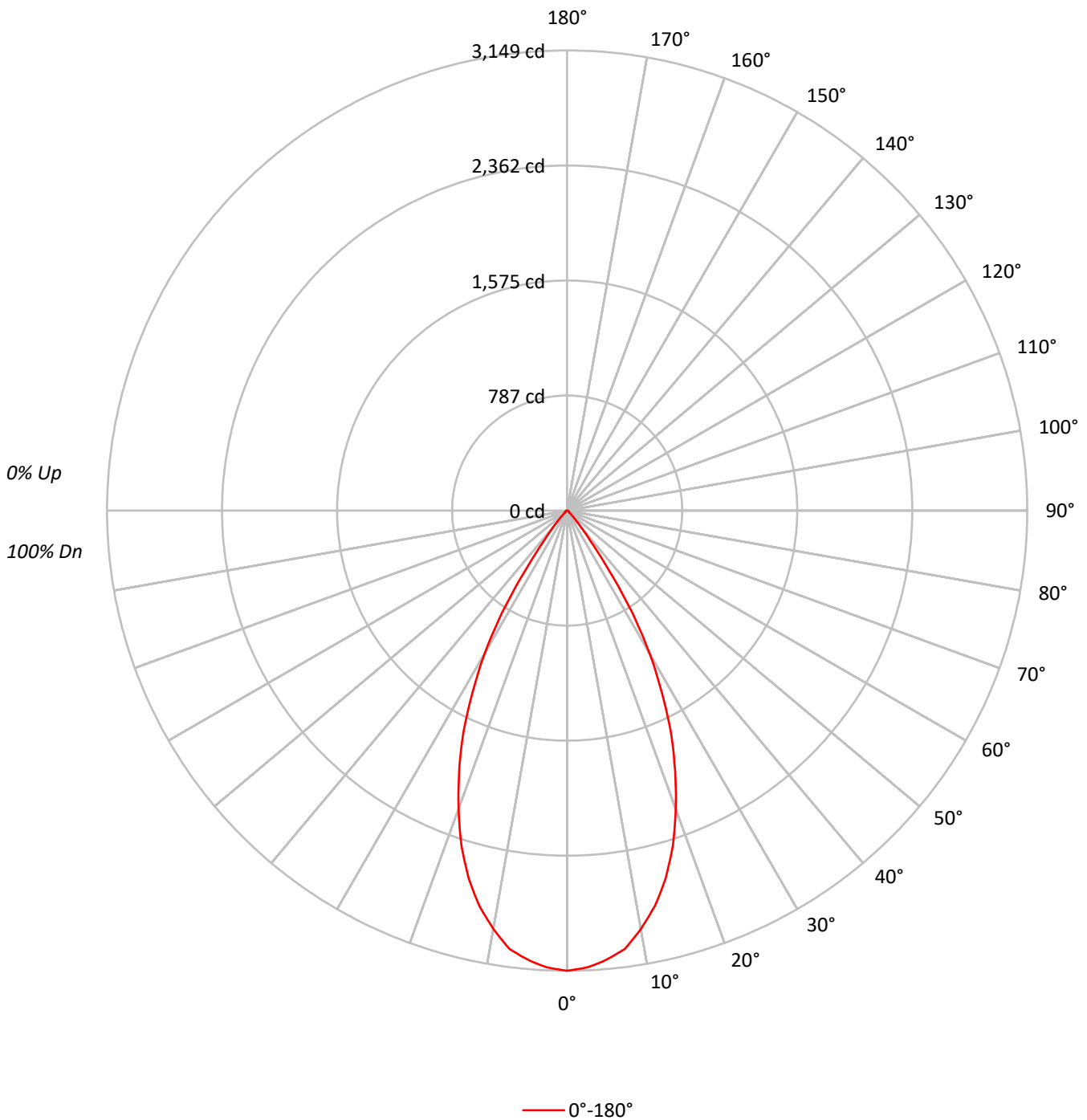
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	225489
5°	221779
10°	211321
15°	193103
20°	165592
25°	132869
30°	93162
35°	43041
40°	13815
45°	4466
50°	2072
55°	1835
60°	1819
65°	1660
70°	1633
75°	1909
80°	2433
85°	4026



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.4	13.3
10°-20°	720.9	33.1
20°-30°	757.0	34.7
30°-40°	335.9	15.4
40°-50°	43.4	2.0
50°-60°	13.6	0.6
60°-70°	9.6	0.4
70°-80°	7.0	0.3
80°-90°	4.3	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°	1767.3	81.0
0°-40°	2103.2	96.4
0°-60°	2160.2	99.0
0°-90°	2181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2181.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3149	
5°	3086	289
15°	2605	721
25°	1682	757
35°	492	336
45°	44	43
55°	15	14
65°	10	10
75°	7	7
85°	5	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3149.2
2.5°	3129.7
5°	3085.6
7.5°	3025.9
10°	2906.5
12.5°	2772.4
15°	2605.0
17.5°	2404.3
20°	2173.2
22.5°	1930.5
25°	1681.8
27.5°	1402.8
30°	1126.8
32.5°	828.2
35°	492.4
37.5°	262.4
40°	147.8
42.5°	81.3
45°	44.1
47.5°	22.5
50°	18.6
52.5°	16.6
55°	14.7
57.5°	13.7
60°	12.7
62.5°	10.8
65°	9.8
67.5°	7.8
70°	7.8
72.5°	6.9
75°	6.9
77.5°	5.9
80°	5.9
82.5°	4.9
85°	4.9
87.5°	2.9
90°	0.0

(END OF REPORT)