

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: P364756

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364756  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-LI-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2244.9 lumens  
Efficiency: N/A  
Efficacy: 83.1 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

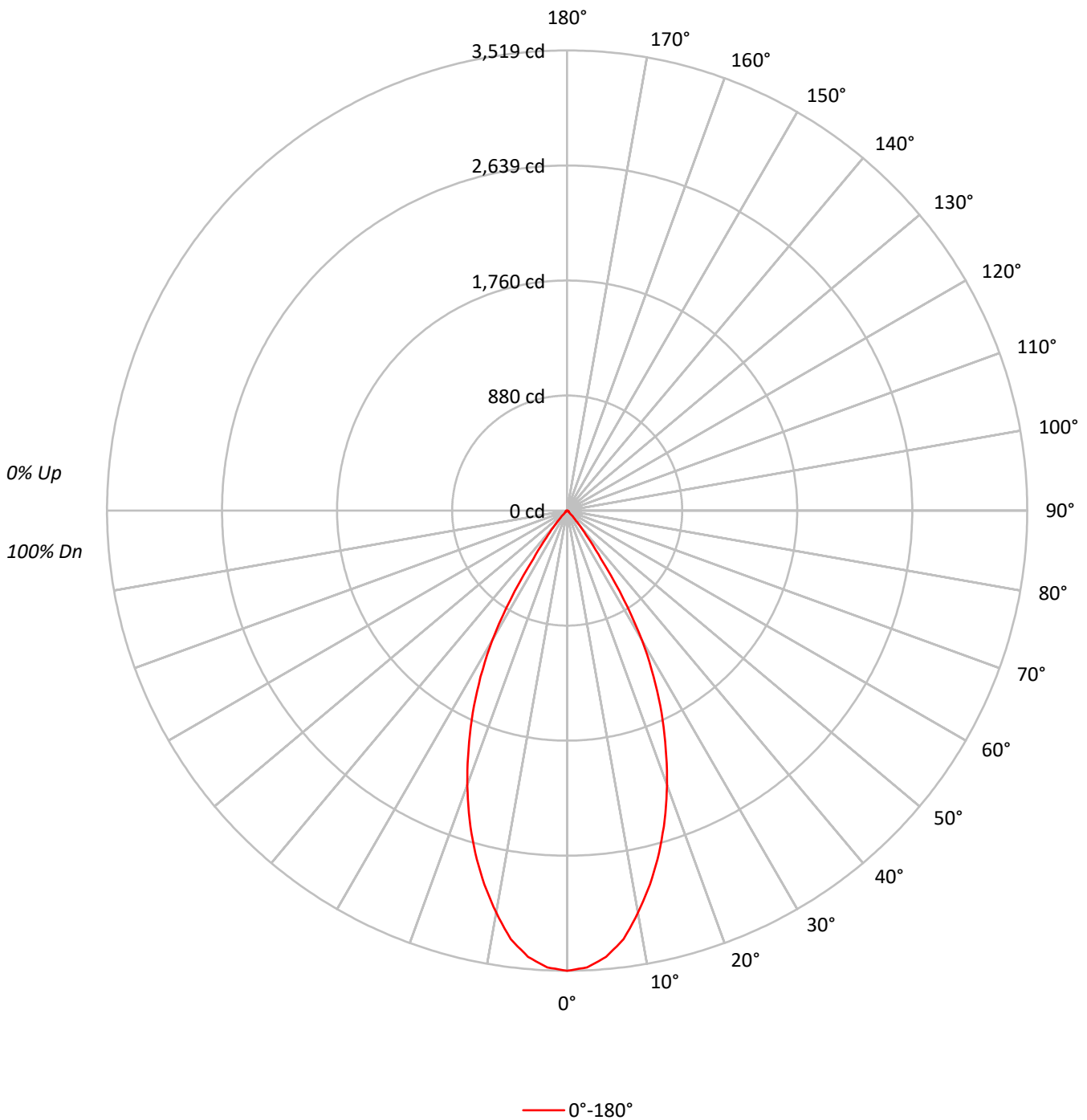
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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

	0°
0°	251974
5°	246231
10°	226997
15°	201057
20°	170217
25°	134852
30°	94766
35°	39465
40°	13544
45°	3615
50°	1994
55°	1860
60°	1704
65°	1677
70°	1654
75°	1909
80°	2474
85°	4108



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.5	14.1
10°-20°	752.4	33.5
20°-30°	772.4	34.4
30°-40°	327.1	14.6
40°-50°	40.2	1.8
50°-60°	13.3	0.6
60°-70°	9.8	0.4
70°-80°	7.6	0.3
80°-90°	4.6	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°	1842.3	82.1
0°-40°	2169.4	96.6
0°-60°	2222.9	99.0
0°-90°	2244.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2244.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3519	
5°	3426	317
15°	2712	752
25°	1707	772
35°	452	327
45°	36	40
55°	15	13
65°	10	10
75°	7	8
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3519.1
2.5°	3496.3
5°	3425.8
7.5°	3304.7
10°	3122.1
12.5°	2927.6
15°	2712.3
17.5°	2481.0
20°	2233.9
22.5°	1970.9
25°	1706.9
27.5°	1434.0
30°	1146.2
32.5°	807.8
35°	451.5
37.5°	259.0
40°	144.9
42.5°	76.4
45°	35.7
47.5°	20.8
50°	17.9
52.5°	15.9
55°	14.9
57.5°	13.9
60°	11.9
62.5°	10.9
65°	9.9
67.5°	8.9
70°	7.9
72.5°	7.9
75°	6.9
77.5°	6.9
80°	6.0
82.5°	6.0
85°	5.0
87.5°	3.0
90°	0.0

(END OF REPORT)