

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: P364796

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)  
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-LI-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2454.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 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

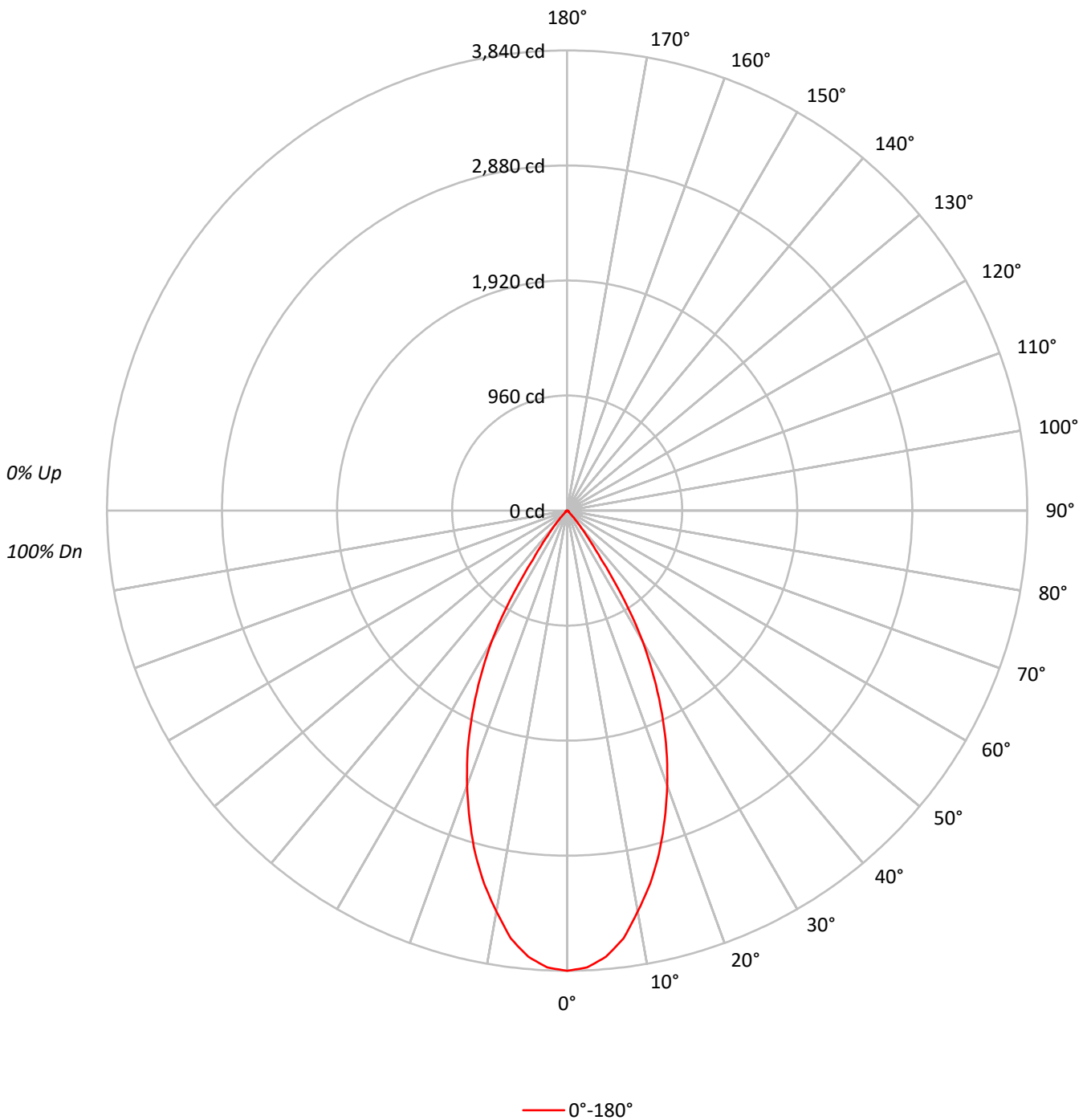
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	79
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°	274973
5°	268584
10°	246860
15°	219700
20°	186089
25°	147982
30°	104043
35°	43416
40°	14993
45°	3878
50°	1961
55°	1810
60°	1776
65°	1745
70°	1738
75°	2296
80°	2556
85°	4272



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.9	14.1
10°-20°	821.0	33.5
20°-30°	847.2	34.5
30°-40°	360.3	14.7
40°-50°	43.2	1.8
50°-60°	13.1	0.5
60°-70°	10.2	0.4
70°-80°	8.2	0.3
80°-90°	4.8	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°	2014.1	82.1
0°-40°	2374.4	96.8
0°-60°	2430.8	99.1
0°-90°	2454.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2454.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3840	
5°	3737	346
15°	2964	821
25°	1873	847
35°	497	360
45°	38	43
55°	14	13
65°	10	10
75°	8	8
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3840.3
2.5°	3815.5
5°	3736.8
7.5°	3600.2
10°	3395.3
12.5°	3193.5
15°	2963.8
17.5°	2705.1
20°	2442.2
22.5°	2168.0
25°	1873.1
27.5°	1568.8
30°	1258.4
32.5°	892.0
35°	496.7
37.5°	285.6
40°	160.4
42.5°	82.8
45°	38.3
47.5°	20.7
50°	17.6
52.5°	15.5
55°	14.5
57.5°	13.5
60°	12.4
62.5°	11.4
65°	10.3
67.5°	9.3
70°	8.3
72.5°	8.3
75°	8.3
77.5°	7.2
80°	6.2
82.5°	6.2
85°	5.2
87.5°	3.1
90°	0.0

(END OF REPORT)