

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: P364794

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364794
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-FEU6B35-8050-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2293.0 lumens
Efficiency: N/A
Efficacy: 84.9 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

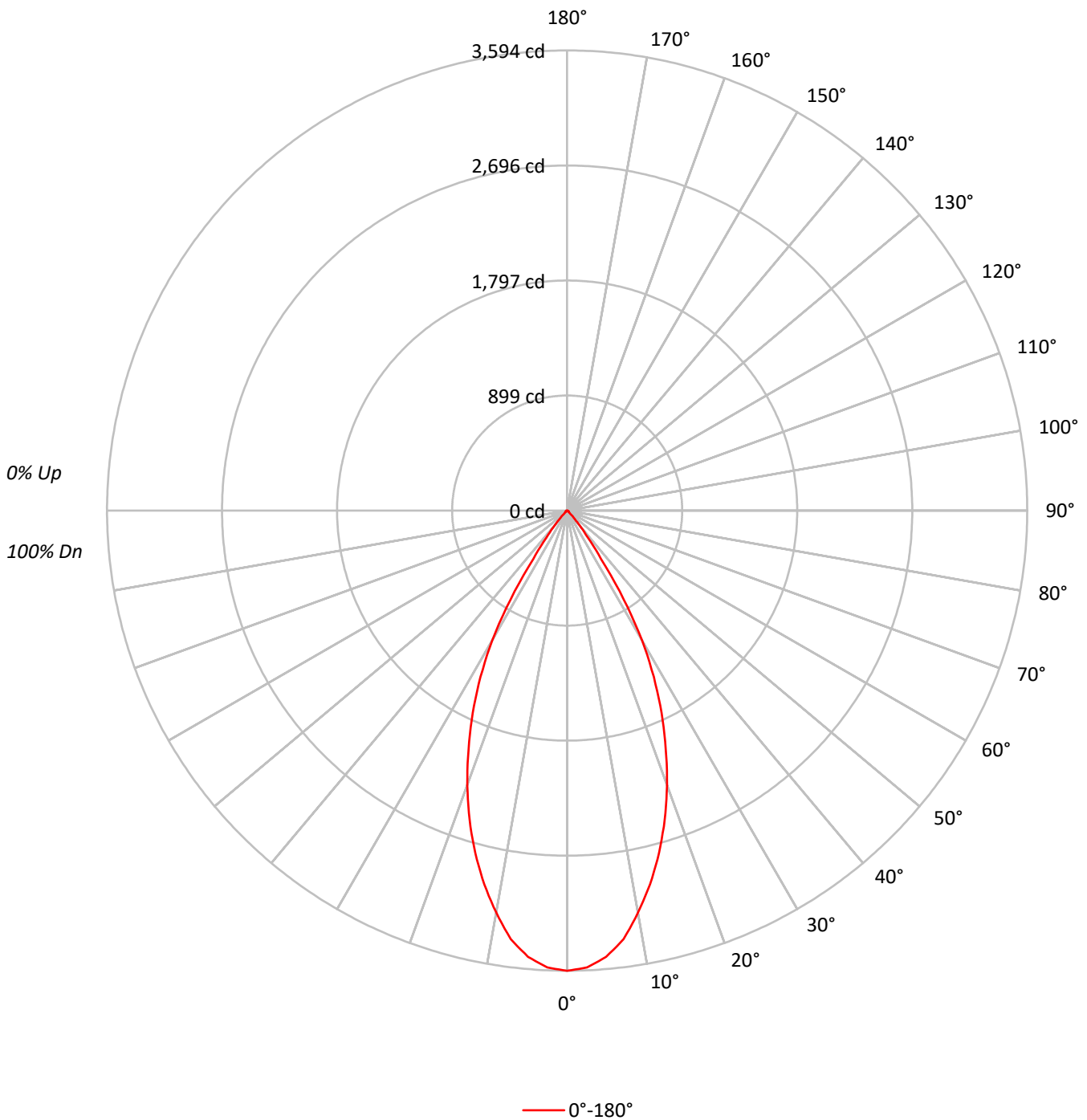
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	257359
5°	251492
10°	231854
15°	205349
20°	173859
25°	137735
30°	96792
35°	40313
40°	13833
45°	3696
50°	2027
55°	1897
60°	1747
65°	1711
70°	1696
75°	1964
80°	2515
85°	4190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.3	14.1
10°-20°	768.5	33.5
20°-30°	789.0	34.4
30°-40°	334.1	14.6
40°-50°	41.1	1.8
50°-60°	13.6	0.6
60°-70°	10.0	0.4
70°-80°	7.8	0.3
80°-90°	4.7	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°	1881.7	82.1
0°-40°	2215.8	96.6
0°-60°	2270.5	99.0
0°-90°	2293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3594	
5°	3499	324
15°	2770	769
25°	1743	789
35°	461	334
45°	36	41
55°	15	14
65°	10	10
75°	7	8
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3594.3
2.5°	3571.0
5°	3499.0
7.5°	3375.4
10°	3188.9
12.5°	2990.2
15°	2770.2
17.5°	2534.1
20°	2281.7
22.5°	2013.1
25°	1743.4
27.5°	1464.7
30°	1170.7
32.5°	825.1
35°	461.2
37.5°	264.6
40°	148.0
42.5°	78.0
45°	36.5
47.5°	21.3
50°	18.2
52.5°	16.2
55°	15.2
57.5°	14.2
60°	12.2
62.5°	11.1
65°	10.1
67.5°	9.1
70°	8.1
72.5°	8.1
75°	7.1
77.5°	7.1
80°	6.1
82.5°	6.1
85°	5.1
87.5°	3.0
90°	0.0

(END OF REPORT)