

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: P364798

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-10)
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
Description: VANDAL RESISTANT OPEN, SPECULAR CLEAR REFLECTOR, 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3034.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

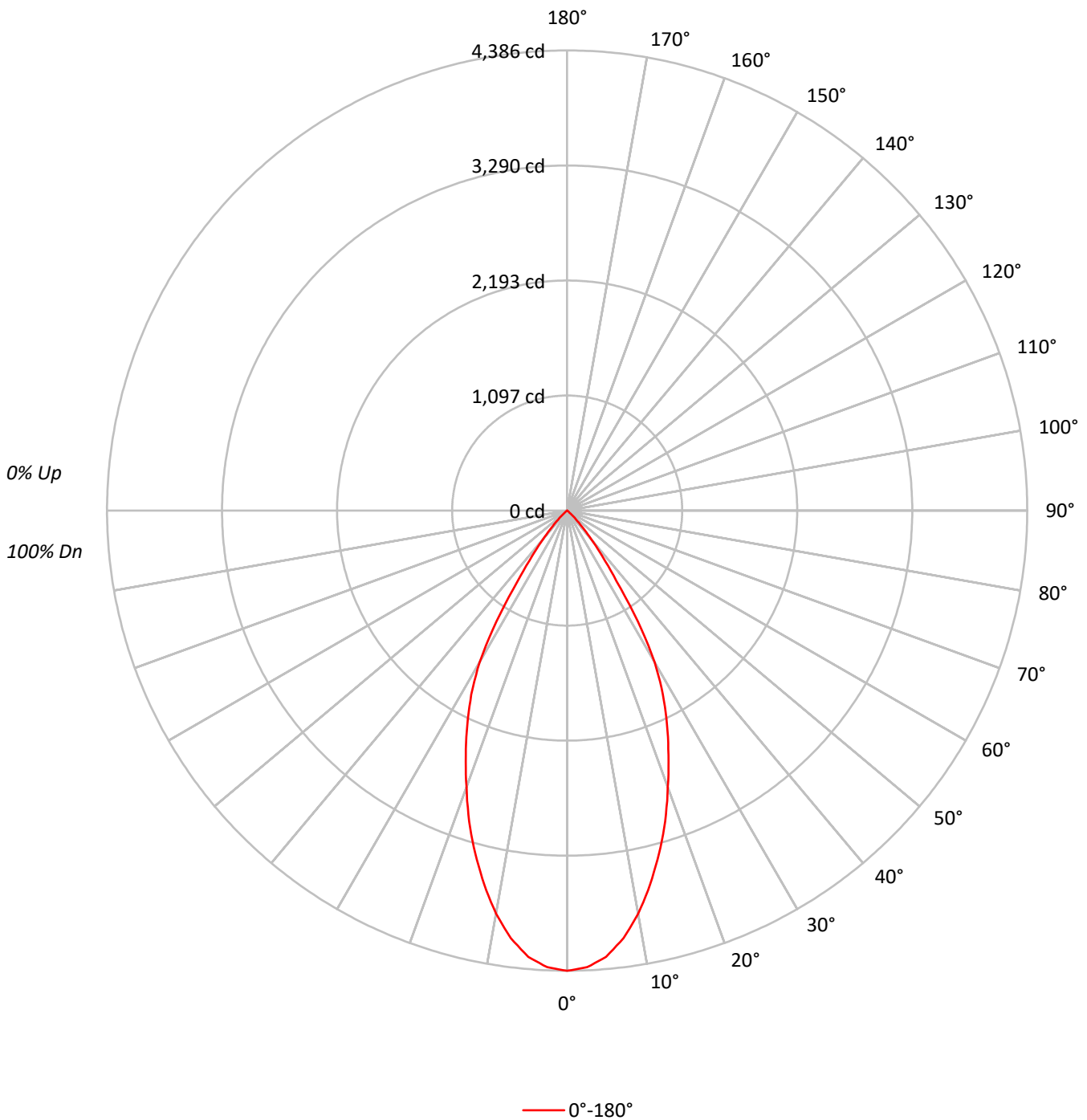
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	88	84	81		87	83	80		85	82	79	78
5	94	86	81	77	93	85	80	77	84	79	76		82	78	75		81	77	75	73
6	90	81	76	72	88	81	75	72	79	75	71		78	74	71		77	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67		74	70	66		73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63		70	66	63		69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60		67	62	59		66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56		64	59	56		63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119802
5°	117054
10°	108215
15°	95693
20°	81574
25°	67858
30°	52632
35°	27337
40°	12698
45°	4798
50°	1054
55°	148
60°	55
65°	65
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.6	13.0
10°-20°	940.7	31.0
20°-30°	1025.2	33.8
30°-40°	554.3	18.3
40°-50°	112.0	3.7
50°-60°	5.3	0.2
60°-70°	0.9	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2361.5	77.8
0°-40°	2915.8	96.1
0°-60°	3033.1	100.0
0°-90°	3034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3034.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4386	
5°	4269	396
15°	3384	941
25°	2252	1025
35°	820	554
45°	124	112
55°	3	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4385.9
2.5°	4357.0
5°	4269.0
7.5°	4110.6
10°	3901.5
12.5°	3652.0
15°	3383.9
17.5°	3106.5
20°	2806.3
22.5°	2523.7
25°	2251.5
27.5°	1978.2
30°	1668.7
32.5°	1255.6
35°	819.8
37.5°	547.6
40°	356.1
42.5°	219.5
45°	124.2
47.5°	62.1
50°	24.8
52.5°	6.2
55°	3.1
57.5°	2.1
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)