

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: P236152

Luminaire Tested: **FLD6BX60D010 EU6B6/78040 F6LBXVM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P236152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010 EU6B6/78040 F6LBXVM1LI
Description: FAILSAFE 6 INCH RECESSED LED DOWNLIGHT
6" LED Vandal Resistant, Medium (50° Beam), Specular Clear, Bottom open
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5535.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

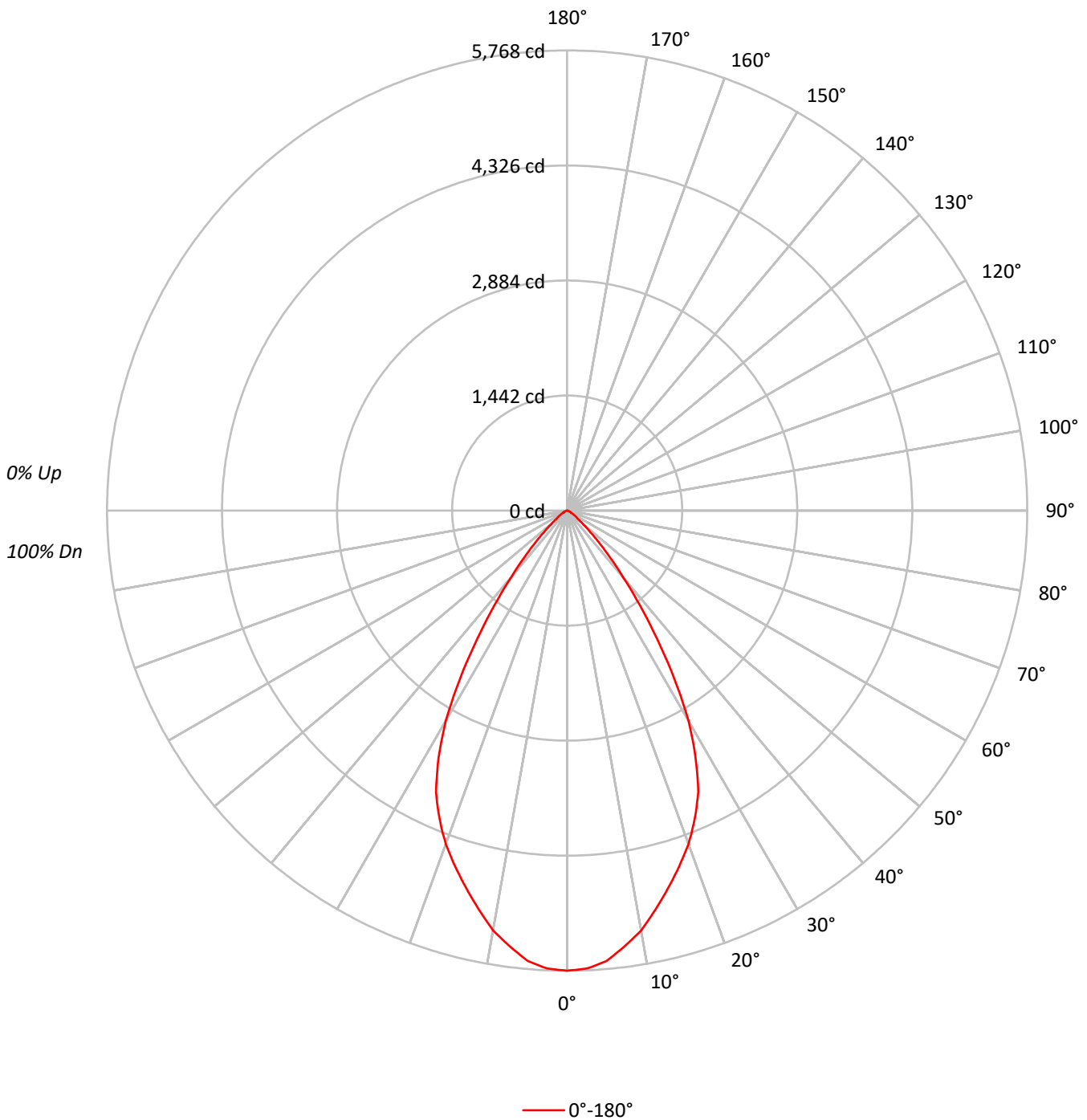
Input Watts (W): 62.48
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	376295
5°	371144
10°	353958
15°	330679
20°	308870
25°	280015
30°	229044
35°	156684
40°	93290
45°	50533
50°	24958
55°	15253
60°	10204
65°	6900
70°	4273
75°	2823
80°	4208
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.8	9.6
10°-20°	1374.9	24.8
20°-30°	1751.8	31.6
30°-40°	1238.0	22.4
40°-50°	452.0	8.2
50°-60°	125.3	2.3
60°-70°	45.4	0.8
70°-80°	16.2	0.3
80°-90°	1.5	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°	3656.6	66.1
0°-40°	4894.6	88.4
0°-60°	5471.8	98.9
0°-90°	5535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5535.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5768	
5°	5667	530
15°	4896	1375
25°	3890	1752
35°	1967	1238
45°	548	452
55°	134	125
65°	45	45
75°	11	16
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5767.8
2.5°	5745.4
5°	5667.2
7.5°	5510.7
10°	5343.0
12.5°	5119.4
15°	4895.9
17.5°	4672.3
20°	4448.8
22.5°	4180.5
25°	3889.9
27.5°	3487.5
30°	3040.4
32.5°	2503.8
35°	1967.3
37.5°	1497.8
40°	1095.4
42.5°	793.6
45°	547.7
47.5°	368.9
50°	245.9
52.5°	167.7
55°	134.1
57.5°	100.6
60°	78.2
62.5°	55.9
65°	44.7
67.5°	33.5
70°	22.4
72.5°	22.4
75°	11.2
77.5°	11.2
80°	11.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)