

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: P236176

Luminaire Tested: **FLD6BX60D010 EU6B6/78040 F6LBXVM1LIBL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P236176
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 F6LBXVM1LIBL86
Description: FAILSAFE 6 INCH RECESSED LED DOWNLIGHT
6" LED Vandal Resistant, Medium (50° Beam), Specular Clear, Bottom lens,
0.250" clear polycarbonate
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4649.4 lumens
Efficiency: N/A
Efficacy: 74.4 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

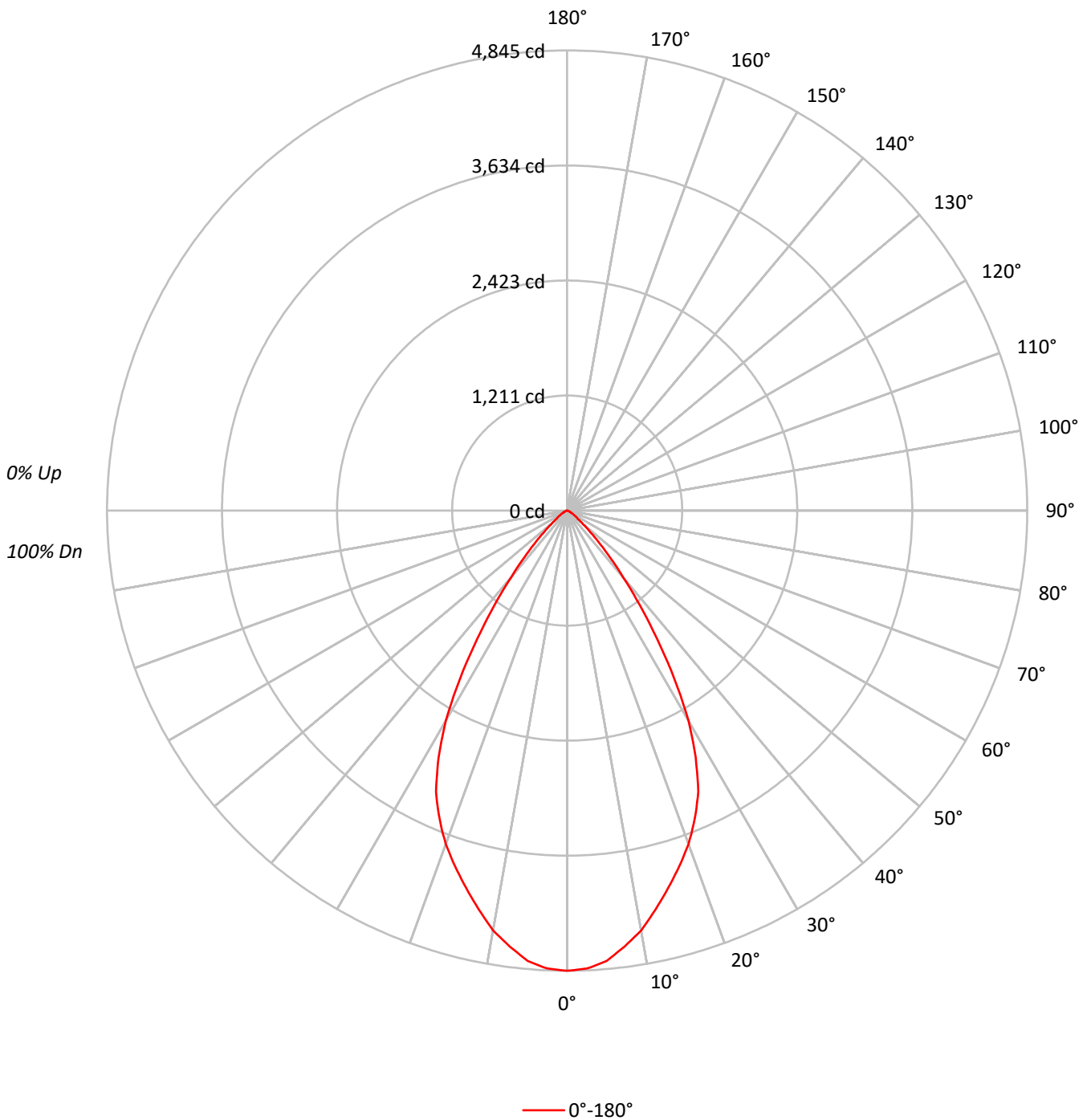
Input Watts (W): 62.48
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	316084
5°	311758
10°	297323
15°	277767
20°	259451
25°	235211
30°	192394
35°	131612
40°	78369
45°	42451
50°	20969
55°	12819
60°	8573
65°	5804
70°	3586
75°	2369
80°	3532
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.1	9.6
10°-20°	1154.9	24.8
20°-30°	1471.5	31.6
30°-40°	1040.0	22.4
40°-50°	379.6	8.2
50°-60°	105.2	2.3
60°-70°	38.2	0.8
70°-80°	13.6	0.3
80°-90°	1.3	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°	3071.5	66.1
0°-40°	4111.5	88.4
0°-60°	4596.3	98.9
0°-90°	4649.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4649.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4845	
5°	4760	445
15°	4112	1155
25°	3268	1472
35°	1652	1040
45°	460	380
55°	113	105
65°	38	38
75°	9	14
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4844.9
2.5°	4826.1
5°	4760.4
7.5°	4629.0
10°	4488.1
12.5°	4300.3
15°	4112.5
17.5°	3924.8
20°	3737.0
22.5°	3511.6
25°	3267.5
27.5°	2929.5
30°	2553.9
32.5°	2103.2
35°	1652.5
37.5°	1258.2
40°	920.2
42.5°	666.6
45°	460.1
47.5°	309.8
50°	206.6
52.5°	140.8
55°	112.7
57.5°	84.5
60°	65.7
62.5°	46.9
65°	37.6
67.5°	28.2
70°	18.8
72.5°	18.8
75°	9.4
77.5°	9.4
80°	9.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)