

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: P366211

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2167.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

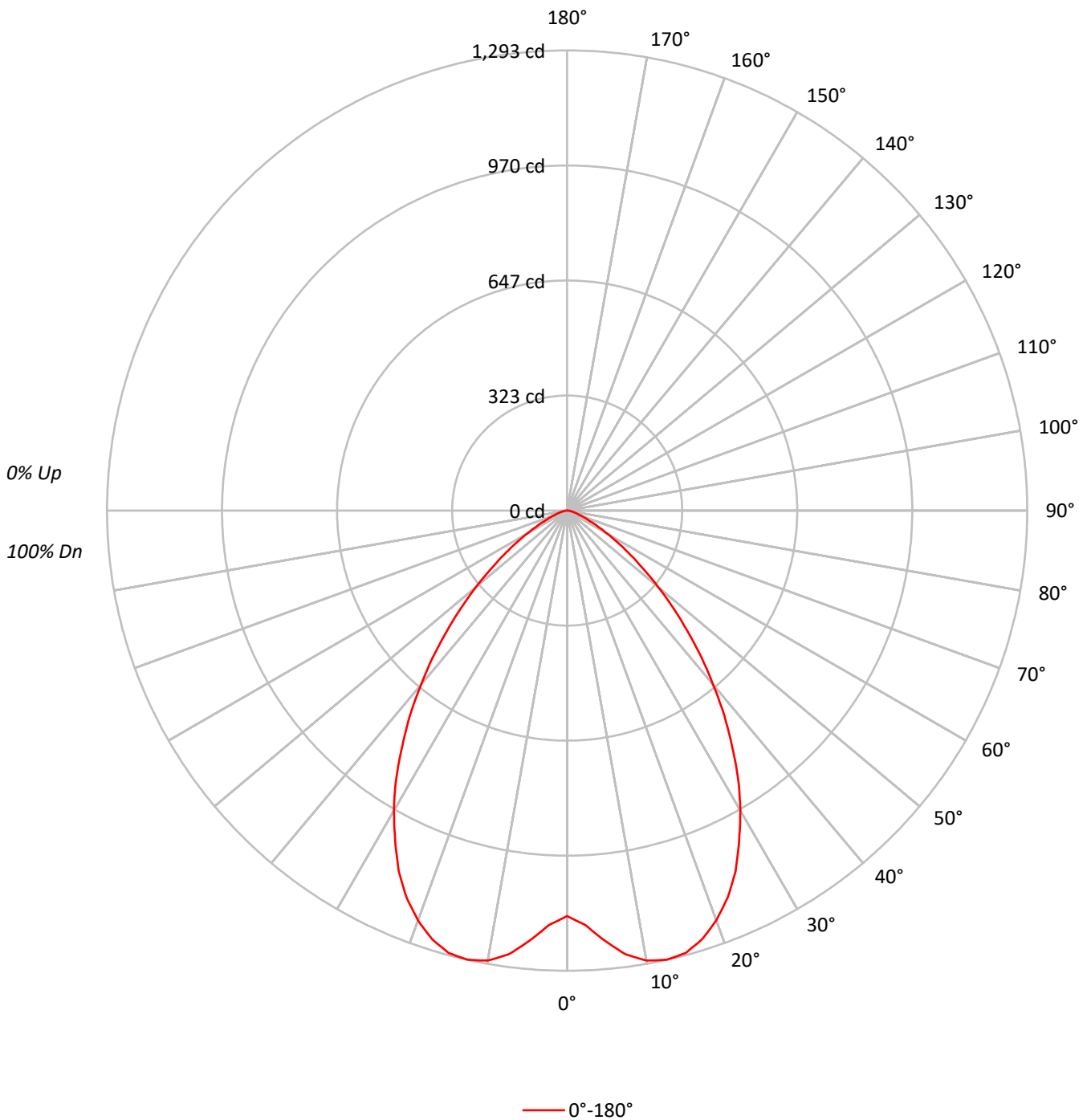
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366211

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR81

Luminous Intensity Polar Plot





TEST NUMBER: P366211

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR81

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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81569
5°	87185
10°	93341
15°	95388
20°	93357
25°	88405
30°	80488
35°	70601
40°	59624
45°	48210
50°	37161
55°	27126
60°	18674
65°	12334
70°	8039
75°	5865
80°	4989
85°	5833



TEST NUMBER: P366211

CATALOG NUMBER: FLD6BX30D010-FEUGB35-8040-F6LBXVM1-WMH-BTR81

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	5.4
10°-20°	360.3	16.6
20°-30°	510.6	23.6
30°-40°	503.6	23.2
40°-50°	369.1	17.0
50°-60°	197.9	9.1
60°-70°	76.1	3.5
70°-80°	24.2	1.1
80°-90°	7.1	0.3
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°	989.0	45.6
0°-40°	1492.6	68.9
0°-60°	2059.5	95.0
0°-90°	2167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2167.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1139	
5°	1213	118
15°	1287	360
25°	1119	511
35°	808	504
45°	476	369
55°	217	198
65°	73	76
75°	21	24
85°	7	7
90°	0	



TEST NUMBER: P366211

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR81

CANDELA DISTRIBUTION (FULL):

0°	
0°	1139.2
2.5°	1165.5
5°	1213.0
7.5°	1257.5
10°	1283.8
12.5°	1292.9
15°	1286.8
17.5°	1262.6
20°	1225.2
22.5°	1177.7
25°	1119.0
27.5°	1046.2
30°	973.5
32.5°	894.6
35°	807.7
37.5°	724.8
40°	637.9
42.5°	558.0
45°	476.1
47.5°	403.3
50°	333.6
52.5°	270.9
55°	217.3
57.5°	169.8
60°	130.4
62.5°	98.1
65°	72.8
67.5°	53.6
70°	38.4
72.5°	29.3
75°	21.2
77.5°	16.2
80°	12.1
82.5°	9.1
85°	7.1
87.5°	4.0
90°	0.0

(END OF REPORT)