

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: P365639

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2922.0 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

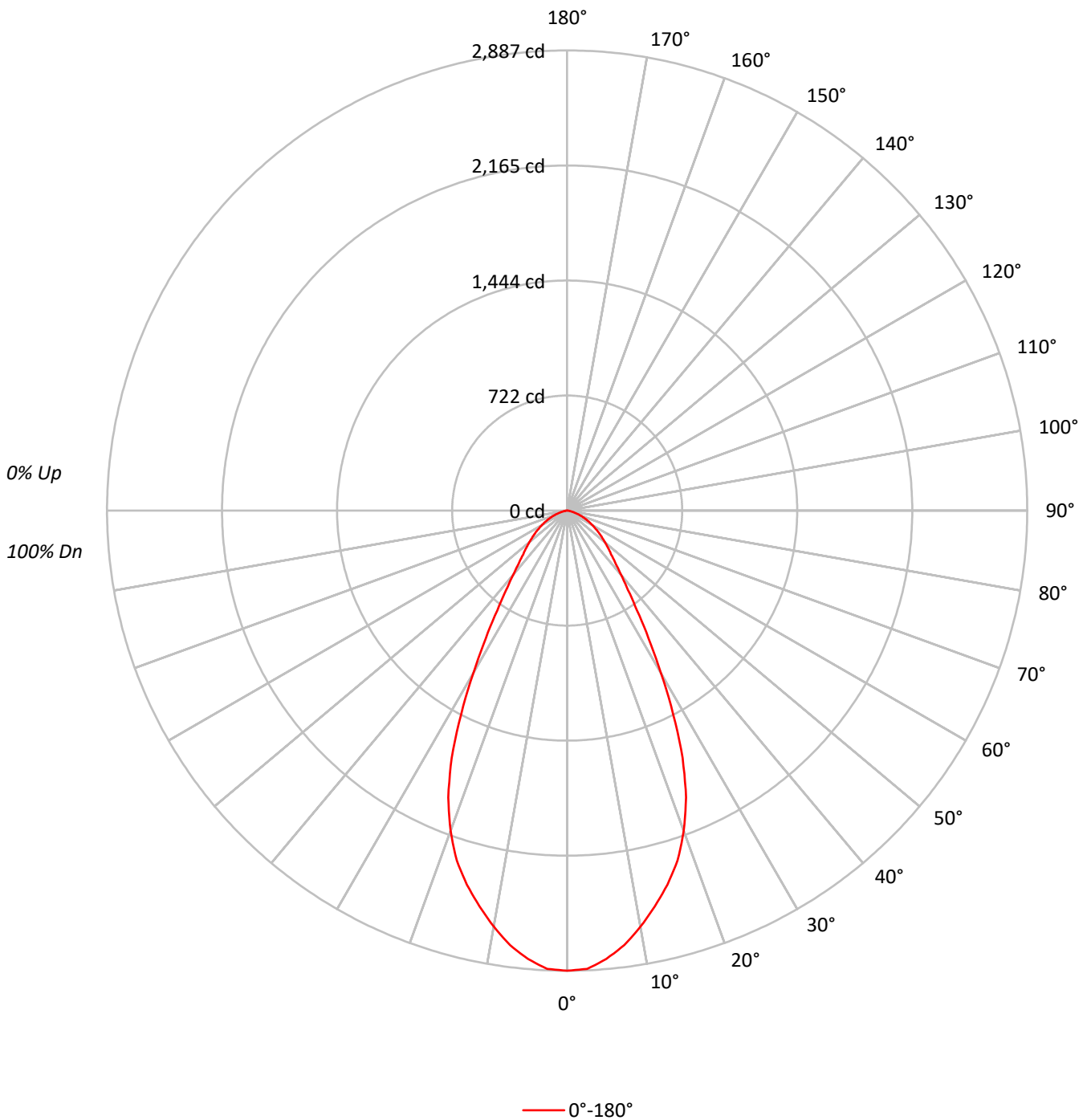
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365639

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR86

Luminous Intensity Polar Plot





TEST NUMBER: P365639

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR86

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	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	206686
5°	202926
10°	192716
15°	180130
20°	163008
25°	135373
30°	97131
35°	66667
40°	49072
45°	39654
50°	34476
55°	30310
60°	26206
65°	22313
70°	17544
75°	12311
80°	7752
85°	8462



TEST NUMBER: P365639

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR86

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.1	9.0
10°-20°	678.0	23.2
20°-30°	769.1	26.3
30°-40°	492.9	16.9
40°-50°	309.0	10.6
50°-60°	217.9	7.5
60°-70°	130.9	4.5
70°-80°	50.0	1.7
80°-90°	10.0	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°	1711.3	58.6
0°-40°	2204.2	75.4
0°-60°	2731.1	93.5
0°-90°	2922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2922.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2887	
5°	2823	264
15°	2430	678
25°	1714	769
35°	763	493
45°	392	309
55°	243	218
65°	132	131
75°	44	50
85°	10	10
90°	0	



TEST NUMBER: P365639

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR86

CANDELA DISTRIBUTION (FULL):

0°	
0°	2886.6
2.5°	2878.0
5°	2823.3
7.5°	2749.8
10°	2650.6
12.5°	2542.9
15°	2430.0
17.5°	2301.8
20°	2139.3
22.5°	1949.5
25°	1713.5
27.5°	1441.6
30°	1174.8
32.5°	949.1
35°	762.7
37.5°	627.6
40°	525.0
42.5°	449.7
45°	391.6
47.5°	348.9
50°	309.5
52.5°	275.3
55°	242.8
57.5°	212.0
60°	183.0
62.5°	157.3
65°	131.7
67.5°	107.7
70°	83.8
72.5°	63.3
75°	44.5
77.5°	30.8
80°	18.8
82.5°	12.0
85°	10.3
87.5°	5.1
90°	0.0

(END OF REPORT)