

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: P366336

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3707.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

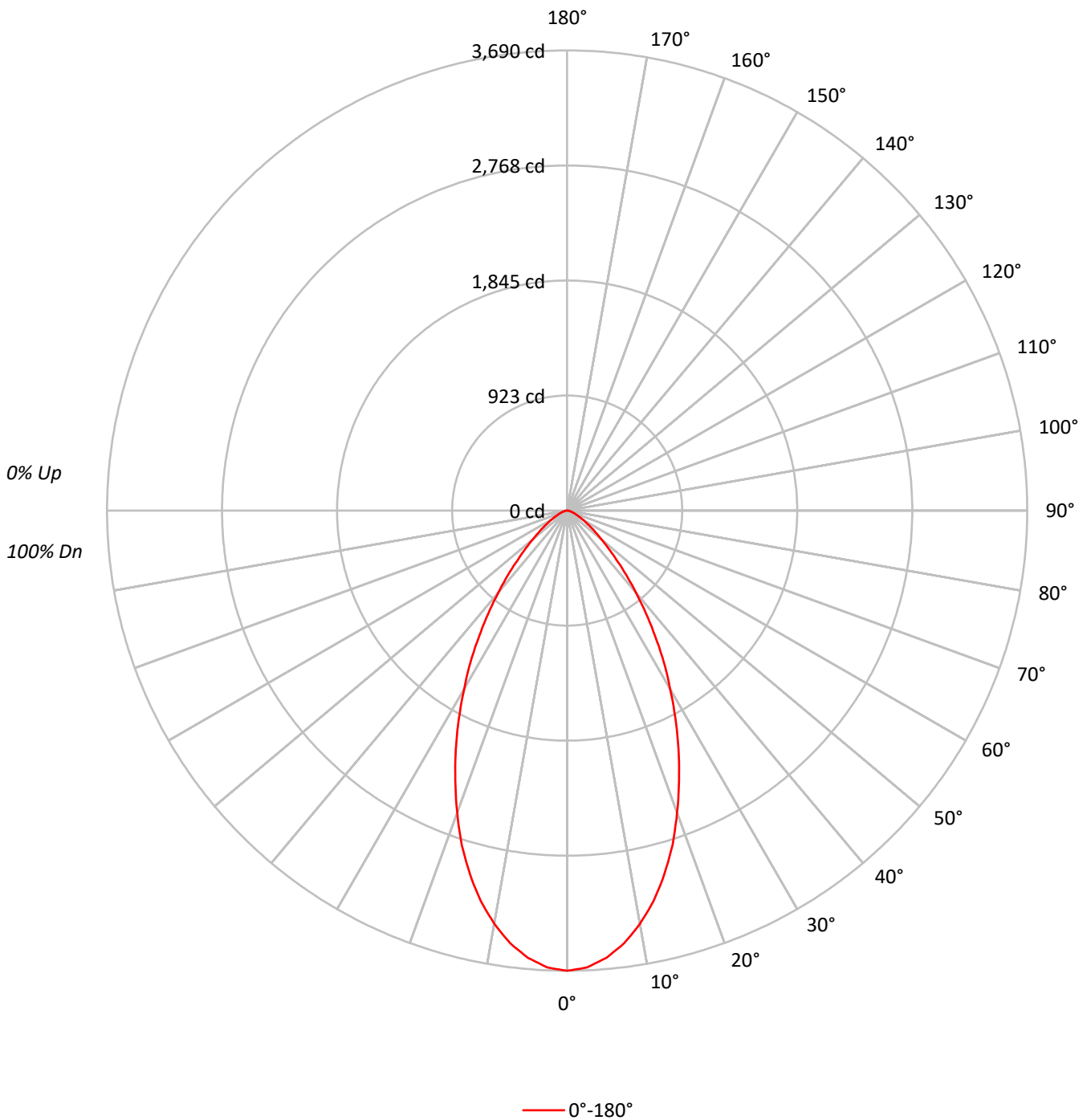
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366336

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P366336

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR80

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	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	264197
5°	258744
10°	244614
15°	223569
20°	196413
25°	166951
30°	136577
35°	107505
40°	80103
45°	56807
50°	40079
55°	28787
60°	20607
65°	14960
70°	11640
75°	9489
80°	8082
85°	8051



TEST NUMBER: P366336

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.2	9.1
10°-20°	839.2	22.6
20°-30°	965.4	26.0
30°-40°	770.3	20.8
40°-50°	444.1	12.0
50°-60°	211.6	5.7
60°-70°	91.6	2.5
70°-80°	37.5	1.0
80°-90°	11.1	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°	2140.8	57.8
0°-40°	2911.1	78.5
0°-60°	3566.8	96.2
0°-90°	3707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3707.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3690	
5°	3600	336
15°	3016	839
25°	2113	965
35°	1230	770
45°	561	444
55°	231	212
65°	88	92
75°	34	37
85°	10	11
90°	0	



TEST NUMBER: P366336

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BTR80

CANDELA DISTRIBUTION (FULL):

	0°
0°	3689.8
2.5°	3666.9
5°	3599.9
7.5°	3500.1
10°	3364.4
12.5°	3205.7
15°	3016.0
17.5°	2809.9
20°	2577.7
22.5°	2343.8
25°	2113.2
27.5°	1879.3
30°	1651.9
32.5°	1444.2
35°	1229.9
37.5°	1038.6
40°	857.0
42.5°	701.7
45°	561.0
47.5°	449.8
50°	359.8
52.5°	287.9
55°	230.6
57.5°	181.5
60°	143.9
62.5°	112.9
65°	88.3
67.5°	70.3
70°	55.6
72.5°	44.2
75°	34.3
77.5°	26.2
80°	19.6
82.5°	14.7
85°	9.8
87.5°	6.5
90°	0.0

(END OF REPORT)