

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: P366501

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4697.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

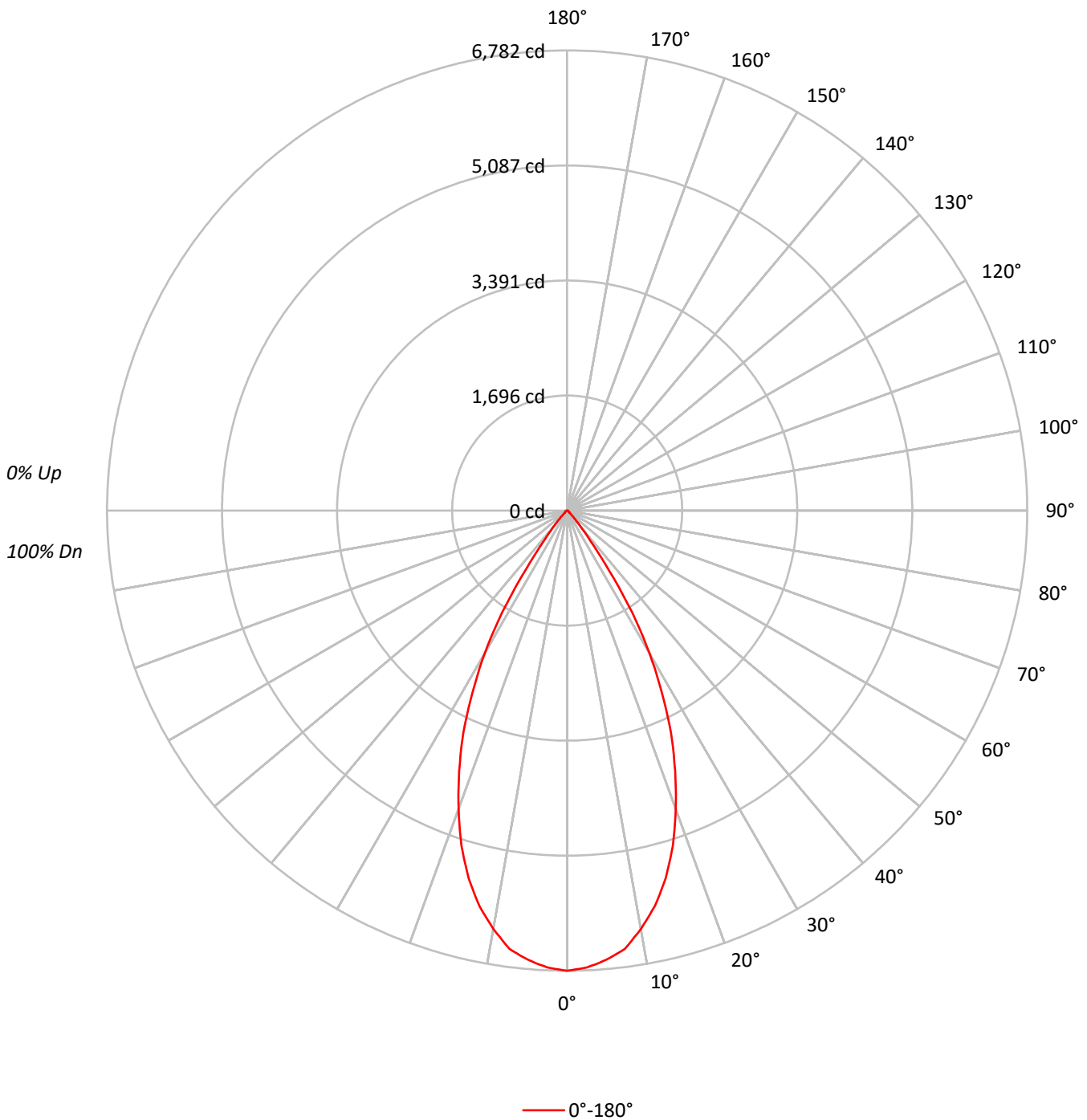
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366501

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR84

Luminous Intensity Polar Plot





TEST NUMBER: P366501

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR84

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	485618
5°	477626
10°	455099
15°	415856
20°	356625
25°	286152
30°	200628
35°	92689
40°	29751
45°	9610
50°	4467
55°	3945
60°	3924
65°	3575
70°	3538
75°	4094
80°	5195
85°	8626



TEST NUMBER: P366501

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.2	13.3
10°-20°	1552.4	33.1
20°-30°	1630.4	34.7
30°-40°	723.5	15.4
40°-50°	93.5	2.0
50°-60°	29.2	0.6
60°-70°	20.6	0.4
70°-80°	15.0	0.3
80°-90°	9.2	0.2
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°	3806.0	81.0
0°-40°	4529.5	96.4
0°-60°	4652.2	99.0
0°-90°	4697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6782	
5°	6645	623
15°	5610	1552
25°	3622	1630
35°	1060	723
45°	95	93
55°	32	29
65°	21	21
75°	15	15
85°	10	9
90°	0	



TEST NUMBER: P366501

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR84

CANDELA DISTRIBUTION (FULL):

0°	
0°	6782.2
2.5°	6740.1
5°	6645.2
7.5°	6516.6
10°	6259.4
12.5°	5970.5
15°	5610.0
17.5°	5177.8
20°	4680.3
22.5°	4157.5
25°	3622.0
27.5°	3021.1
30°	2426.6
32.5°	1783.6
35°	1060.4
37.5°	565.0
40°	318.3
42.5°	175.0
45°	94.9
47.5°	48.5
50°	40.1
52.5°	35.8
55°	31.6
57.5°	29.5
60°	27.4
62.5°	23.2
65°	21.1
67.5°	16.9
70°	16.9
72.5°	14.8
75°	14.8
77.5°	12.6
80°	12.6
82.5°	10.5
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)