

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: P366506

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4904.0 lumens
Efficiency: N/A
Efficacy: 84.4 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

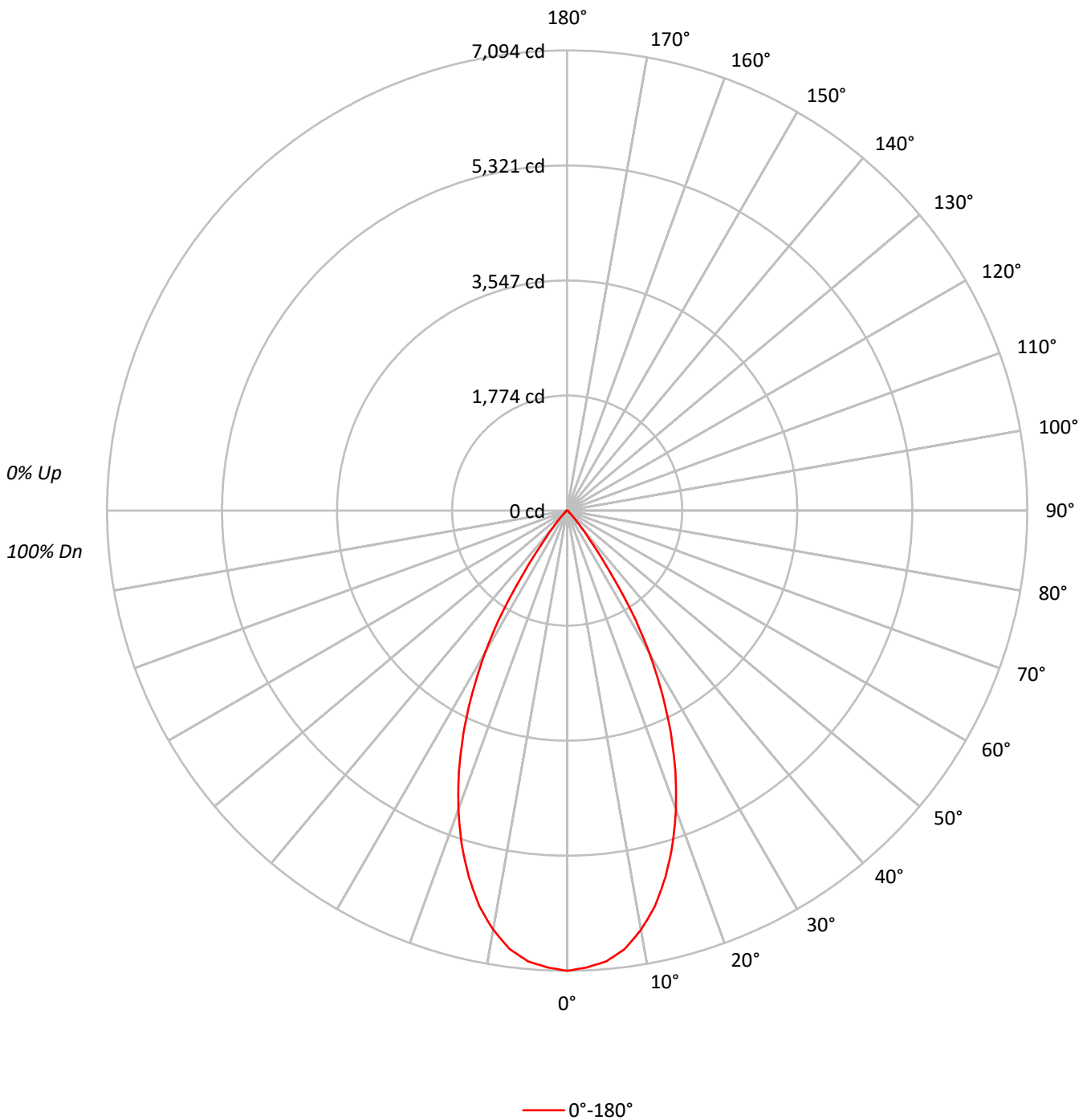
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366506

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR89BV

Luminous Intensity Polar Plot





TEST NUMBER: P366506

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR89BV

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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	507972
5°	501122
10°	477005
15°	433632
20°	373404
25°	298493
30°	209301
35°	97357
40°	30761
45°	9610
50°	4233
55°	3945
60°	3623
65°	3219
70°	3538
75°	4094
80°	5237
85°	8626



TEST NUMBER: P366506

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR89BV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.6	13.3
10°-20°	1622.0	33.1
20°-30°	1705.2	34.8
30°-40°	756.5	15.4
40°-50°	94.6	1.9
50°-60°	28.3	0.6
60°-70°	19.8	0.4
70°-80°	15.6	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°	3979.9	81.2
0°-40°	4736.4	96.6
0°-60°	4859.3	99.1
0°-90°	4904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4904.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7094	
5°	6972	653
15°	5850	1622
25°	3778	1705
35°	1114	757
45°	95	95
55°	32	28
65°	19	20
75°	15	16
85°	10	9
90°	0	



TEST NUMBER: P366506

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR89BV

CANDELA DISTRIBUTION (FULL):

	0°
0°	7094.4
2.5°	7048.0
5°	6972.1
7.5°	6816.0
10°	6560.7
12.5°	6248.5
15°	5849.8
17.5°	5400.4
20°	4900.5
22.5°	4358.3
25°	3778.2
27.5°	3162.2
30°	2531.5
32.5°	1862.7
35°	1113.8
37.5°	592.8
40°	329.1
42.5°	179.3
45°	94.9
47.5°	46.4
50°	38.0
52.5°	33.8
55°	31.6
57.5°	29.5
60°	25.3
62.5°	23.2
65°	19.0
67.5°	16.9
70°	16.9
72.5°	14.8
75°	14.8
77.5°	14.8
80°	12.7
82.5°	10.5
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)