

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: P366427

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366427
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: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4097.0 lumens
Efficiency: N/A
Efficacy: 70.5 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

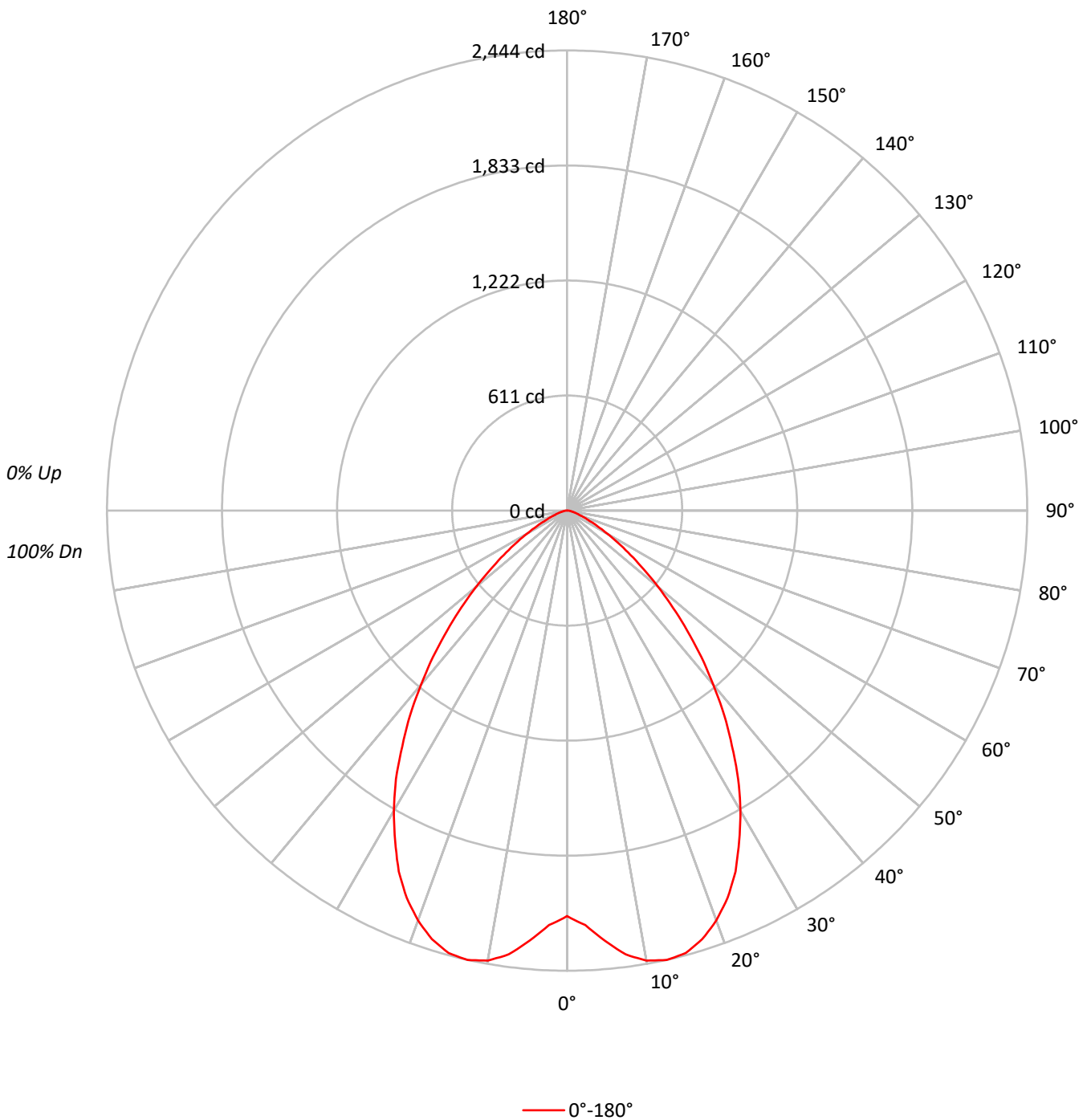
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366427

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR81

Luminous Intensity Polar Plot





TEST NUMBER: P366427

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-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°	154223
5°	164839
10°	176473
15°	180345
20°	176495
25°	167149
30°	152170
35°	133475
40°	112724
45°	91155
50°	70255
55°	51294
60°	35300
65°	23313
70°	15199
75°	11094
80°	9443
85°	11009



TEST NUMBER: P366427

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR81

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.2	5.4
10°-20°	681.3	16.6
20°-30°	965.3	23.6
30°-40°	952.1	23.2
40°-50°	697.9	17.0
50°-60°	374.1	9.1
60°-70°	143.8	3.5
70°-80°	45.8	1.1
80°-90°	13.5	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°	1869.8	45.6
0°-40°	2821.9	68.9
0°-60°	3893.9	95.0
0°-90°	4097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4097.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2154	
5°	2293	223
15°	2433	681
25°	2116	965
35°	1527	952
45°	900	698
55°	411	374
65°	138	144
75°	40	46
85°	13	14
90°	0	



TEST NUMBER: P366427

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR81

CANDELA DISTRIBUTION (FULL):

0°	
0°	2153.9
2.5°	2203.6
5°	2293.4
7.5°	2377.5
10°	2427.2
12.5°	2444.4
15°	2432.9
17.5°	2387.1
20°	2316.3
22.5°	2226.5
25°	2115.7
27.5°	1978.1
30°	1840.5
32.5°	1691.4
35°	1527.0
37.5°	1370.3
40°	1206.0
42.5°	1055.0
45°	900.2
47.5°	762.6
50°	630.7
52.5°	512.2
55°	410.9
57.5°	321.1
60°	246.5
62.5°	185.4
65°	137.6
67.5°	101.3
70°	72.6
72.5°	55.4
75°	40.1
77.5°	30.6
80°	22.9
82.5°	17.2
85°	13.4
87.5°	7.6
90°	0.0

(END OF REPORT)