

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: P366520

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366520
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: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4962.0 lumens
Efficiency: N/A
Efficacy: 67.6 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

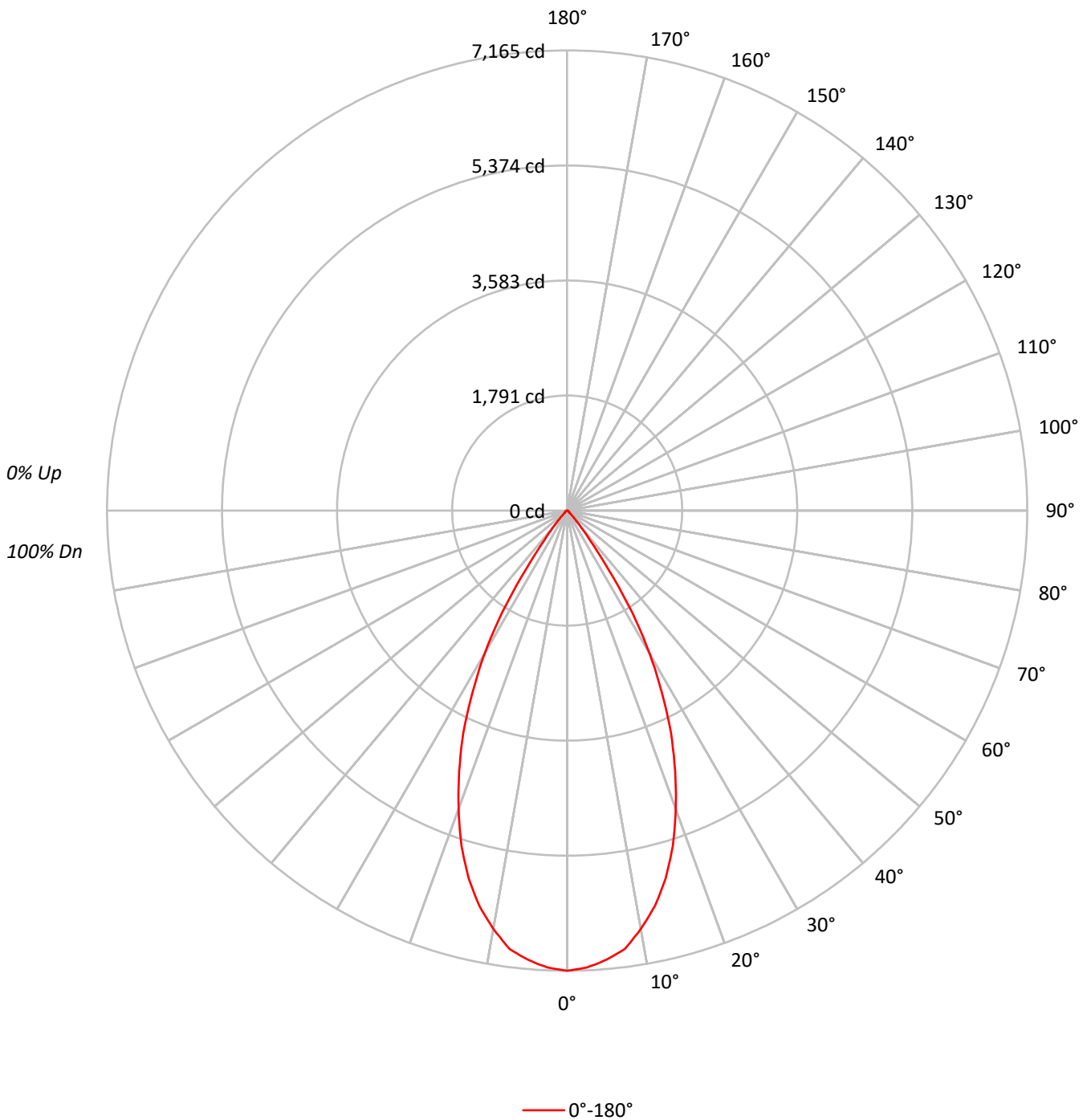
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366520

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR85

Luminous Intensity Polar Plot





TEST NUMBER: P366520

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR85

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°	513020
5°	504572
10°	480771
15°	439325
20°	376749
25°	302293
30°	211947
35°	97925
40°	31434
45°	10146
50°	4712
55°	4169
60°	4153
65°	3778
70°	3726
75°	4316
80°	5525
85°	9119



TEST NUMBER: P366520

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR85

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.4	13.3
10°-20°	1640.0	33.1
20°-30°	1722.4	34.7
30°-40°	764.3	15.4
40°-50°	98.8	2.0
50°-60°	30.9	0.6
60°-70°	21.8	0.4
70°-80°	15.9	0.3
80°-90°	9.7	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°	4020.8	81.0
0°-40°	4785.1	96.4
0°-60°	4914.7	99.0
0°-90°	4962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4962.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7165	
5°	7020	658
15°	5927	1640
25°	3826	1722
35°	1120	764
45°	100	99
55°	33	31
65°	22	22
75°	16	16
85°	11	10
90°	0	



TEST NUMBER: P366520

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR85

CANDELA DISTRIBUTION (FULL):

0°	
0°	7164.9
2.5°	7120.3
5°	7020.1
7.5°	6884.2
10°	6612.5
12.5°	6307.4
15°	5926.6
17.5°	5470.0
20°	4944.4
22.5°	4392.0
25°	3826.3
27.5°	3191.6
30°	2563.5
32.5°	1884.2
35°	1120.3
37.5°	596.9
40°	336.3
42.5°	184.9
45°	100.2
47.5°	51.2
50°	42.3
52.5°	37.9
55°	33.4
57.5°	31.2
60°	29.0
62.5°	24.5
65°	22.3
67.5°	17.8
70°	17.8
72.5°	15.6
75°	15.6
77.5°	13.4
80°	13.4
82.5°	11.1
85°	11.1
87.5°	6.7
90°	0.0

(END OF REPORT)