

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: P364961

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4790.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

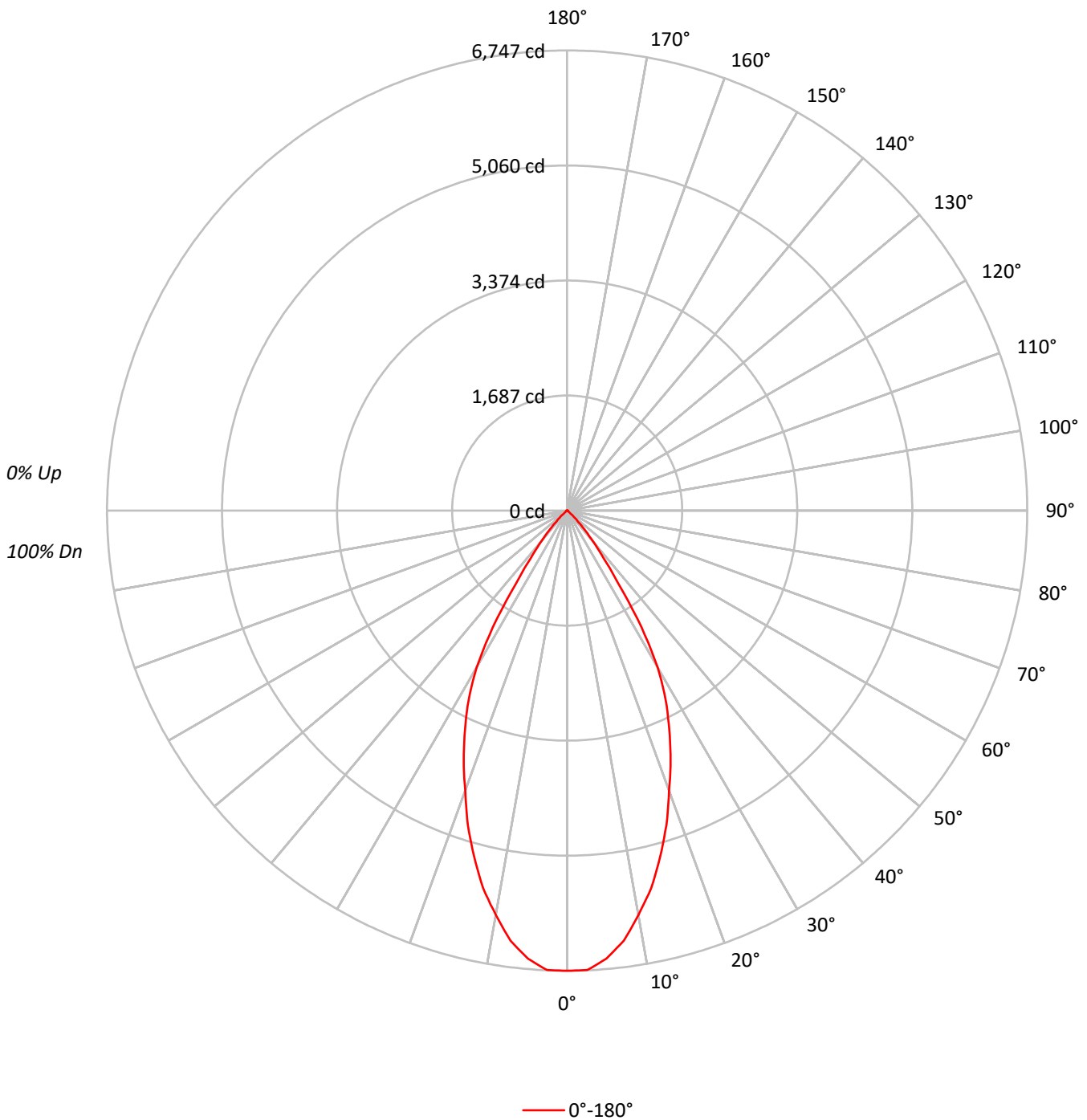
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364961

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P364961

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL84

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	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184291
5°	180786
10°	166952
15°	148775
20°	127055
25°	106704
30°	83766
35°	43406
40°	20728
45°	8159
50°	2150
55°	600
60°	393
65°	349
70°	288
75°	380
80°	283
85°	564



TEST NUMBER: P364961

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.4	12.8
10°-20°	1462.1	30.5
20°-30°	1614.3	33.7
30°-40°	888.3	18.5
40°-50°	187.8	3.9
50°-60°	15.9	0.3
60°-70°	4.9	0.1
70°-80°	3.6	0.1
80°-90°	1.7	0.0
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°	3687.9	77.0
0°-40°	4576.2	95.5
0°-60°	4779.8	99.8
0°-90°	4790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4790.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6747	
5°	6593	611
15°	5261	1462
25°	3540	1614
35°	1302	888
45°	211	188
55°	13	16
65°	5	5
75°	4	4
85°	2	2
90°	0	



TEST NUMBER: P364961

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL84

CANDELA DISTRIBUTION (FULL):

0°	
0°	6746.8
2.5°	6743.2
5°	6593.3
7.5°	6362.3
10°	6019.2
12.5°	5678.0
15°	5261.0
17.5°	4836.7
20°	4370.9
22.5°	3962.9
25°	3540.4
27.5°	3132.4
30°	2655.8
32.5°	2027.5
35°	1301.7
37.5°	877.4
40°	581.3
42.5°	362.9
45°	211.2
47.5°	108.3
50°	50.6
52.5°	21.7
55°	12.6
57.5°	9.0
60°	7.2
62.5°	5.4
65°	5.4
67.5°	3.6
70°	3.6
72.5°	5.4
75°	3.6
77.5°	1.8
80°	1.8
82.5°	1.8
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)