

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: P364948

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4915.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

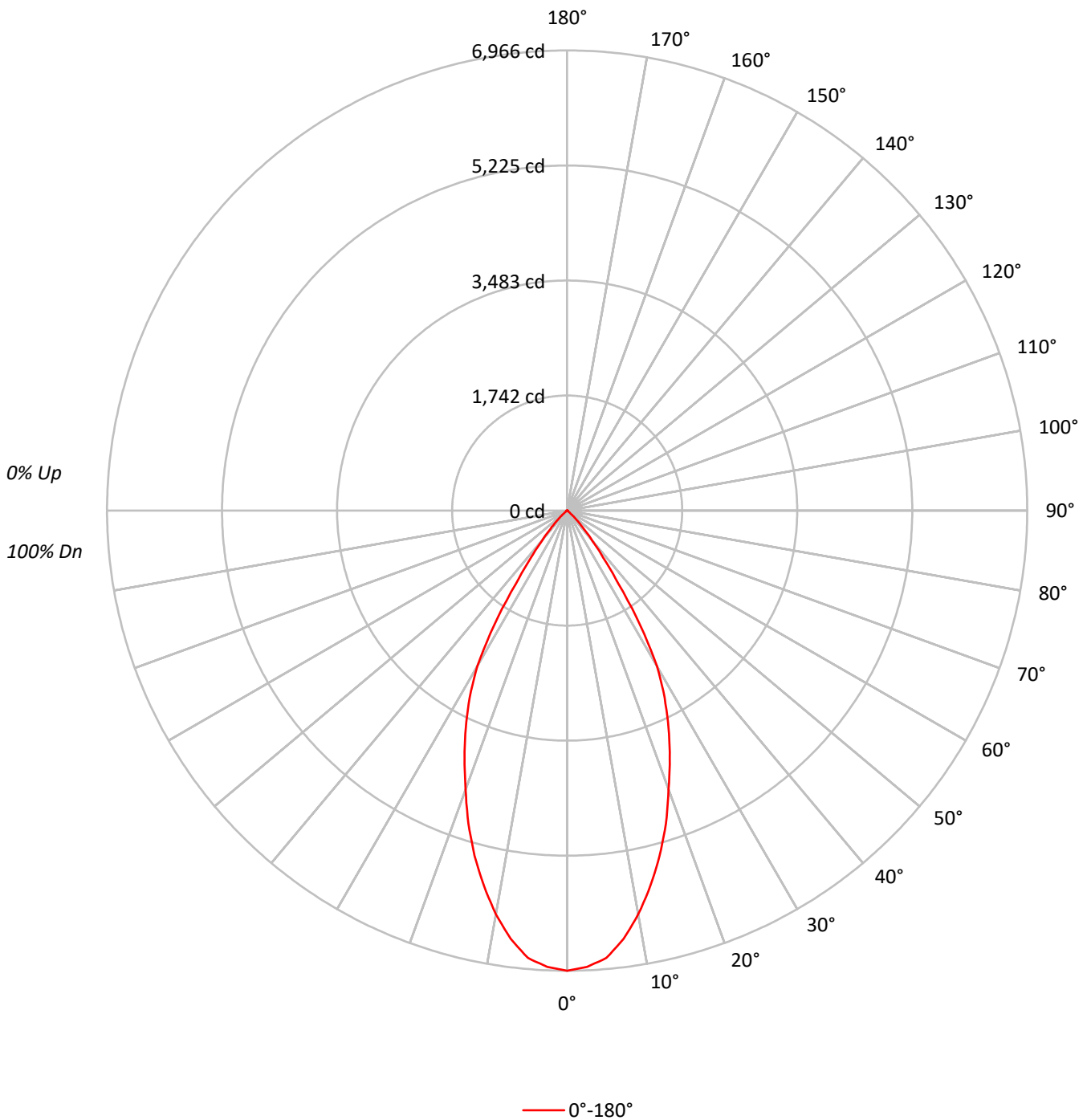
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364948

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89BV

Luminous Intensity Polar Plot





TEST NUMBER: P364948

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89BV

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	81	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	73	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	59	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	190292
5°	186429
10°	172106
15°	152989
20°	130563
25°	109393
30°	85735
35°	45204
40°	21120
45°	8309
50°	2171
55°	586
60°	388
65°	343
70°	280
75°	369
80°	283
85°	564



TEST NUMBER: P364948

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89BV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.2	12.8
10°-20°	1502.4	30.6
20°-30°	1652.6	33.6
30°-40°	912.2	18.6
40°-50°	192.5	3.9
50°-60°	15.7	0.3
60°-70°	4.8	0.1
70°-80°	3.9	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°	3784.2	77.0
0°-40°	4696.4	95.6
0°-60°	4904.6	99.8
0°-90°	4915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4915.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6966	
5°	6799	629
15°	5410	1502
25°	3630	1653
35°	1356	912
45°	215	192
55°	12	16
65°	5	5
75°	4	4
85°	2	2
90°	0	



TEST NUMBER: P364948

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89BV

CANDELA DISTRIBUTION (FULL):

	0°
0°	6966.5
2.5°	6913.6
5°	6799.1
7.5°	6539.9
10°	6205.0
12.5°	5820.7
15°	5410.0
17.5°	4969.3
20°	4491.6
22.5°	4057.9
25°	3629.6
27.5°	3194.2
30°	2718.2
32.5°	2069.5
35°	1355.6
37.5°	900.8
40°	592.3
42.5°	373.7
45°	215.1
47.5°	112.8
50°	51.1
52.5°	21.2
55°	12.3
57.5°	8.8
60°	7.1
62.5°	5.3
65°	5.3
67.5°	3.5
70°	3.5
72.5°	5.3
75°	3.5
77.5°	3.5
80°	1.8
82.5°	1.8
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)