

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: P365615

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2950.0 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

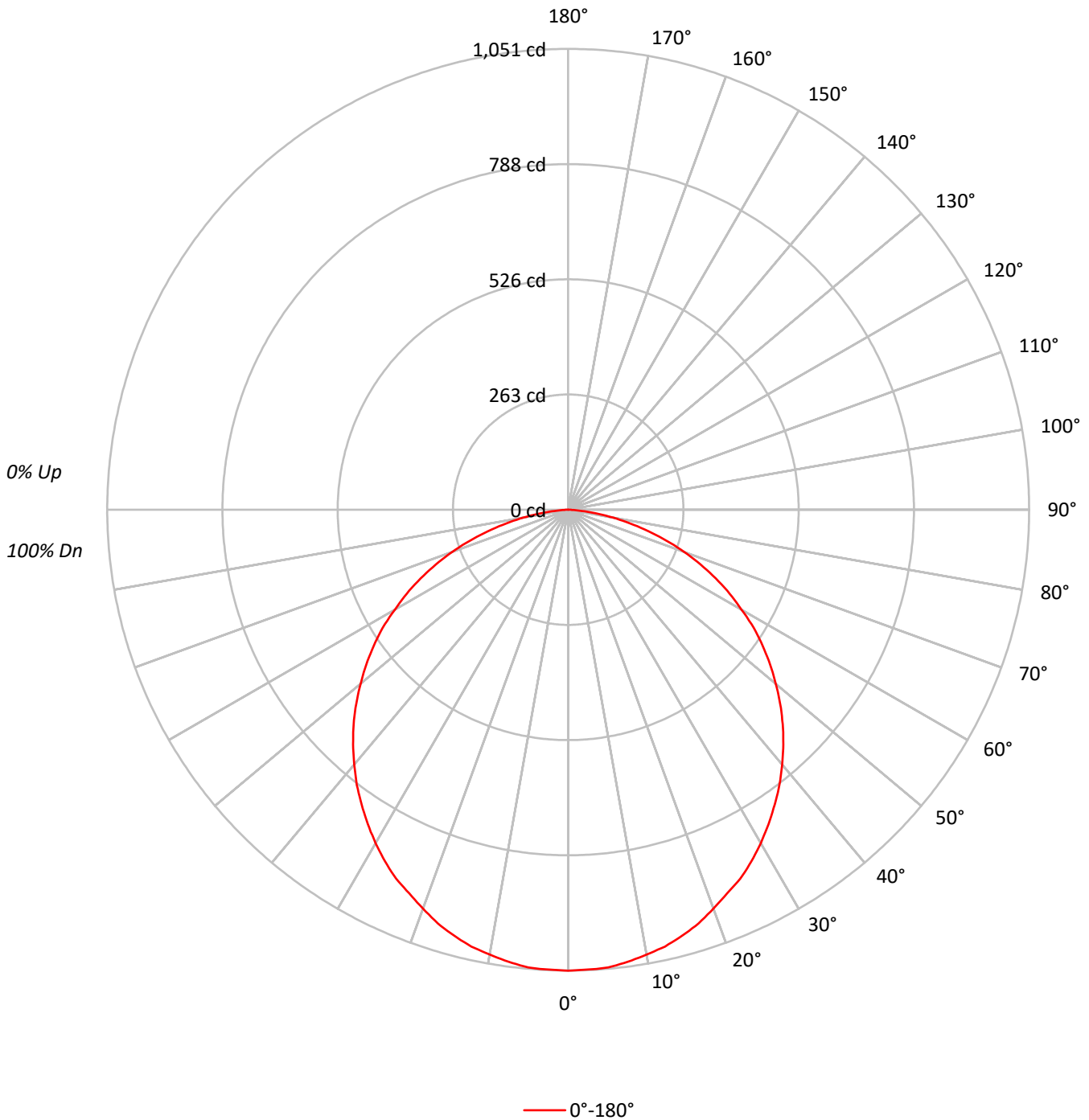
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365615

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL89BW

Luminous Intensity Polar Plot





TEST NUMBER: P365615

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL89BW

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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28719
5°	28741
10°	28574
15°	28437
20°	28138
25°	27993
30°	27696
35°	27374
40°	27053
45°	26720
50°	26266
55°	25773
60°	24922
65°	23992
70°	22466
75°	20021
80°	16202
85°	9747



TEST NUMBER: P365615

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL89BW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	3.4
10°-20°	283.6	9.6
20°-30°	427.3	14.5
30°-40°	513.8	17.4
40°-50°	533.2	18.1
50°-60°	483.3	16.4
60°-70°	366.7	12.4
70°-80°	200.6	6.8
80°-90°	42.0	1.4
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°	810.3	27.5
0°-40°	1324.1	44.9
0°-60°	2340.7	79.3
0°-90°	2950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2950.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1051	
5°	1048	99
15°	1006	284
25°	929	427
35°	821	514
45°	692	533
55°	541	483
65°	371	367
75°	190	201
85°	31	42
90°	0	



TEST NUMBER: P365615

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BL89BW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1051.4
2.5°	1049.8
5°	1048.2
7.5°	1040.0
10°	1030.2
12.5°	1020.4
15°	1005.6
17.5°	989.3
20°	968.0
22.5°	946.8
25°	928.8
27.5°	904.3
30°	878.1
32.5°	850.3
35°	820.9
37.5°	791.4
40°	758.7
42.5°	726.0
45°	691.7
47.5°	655.7
50°	618.1
52.5°	580.5
55°	541.2
57.5°	502.0
60°	456.2
62.5°	415.3
65°	371.2
67.5°	327.0
70°	281.3
72.5°	235.5
75°	189.7
77.5°	143.9
80°	103.0
82.5°	63.8
85°	31.1
87.5°	8.2
90°	0.0

(END OF REPORT)