

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: P364967

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
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-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3723.0 lumens
Efficiency: N/A
Efficacy: 67.6 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

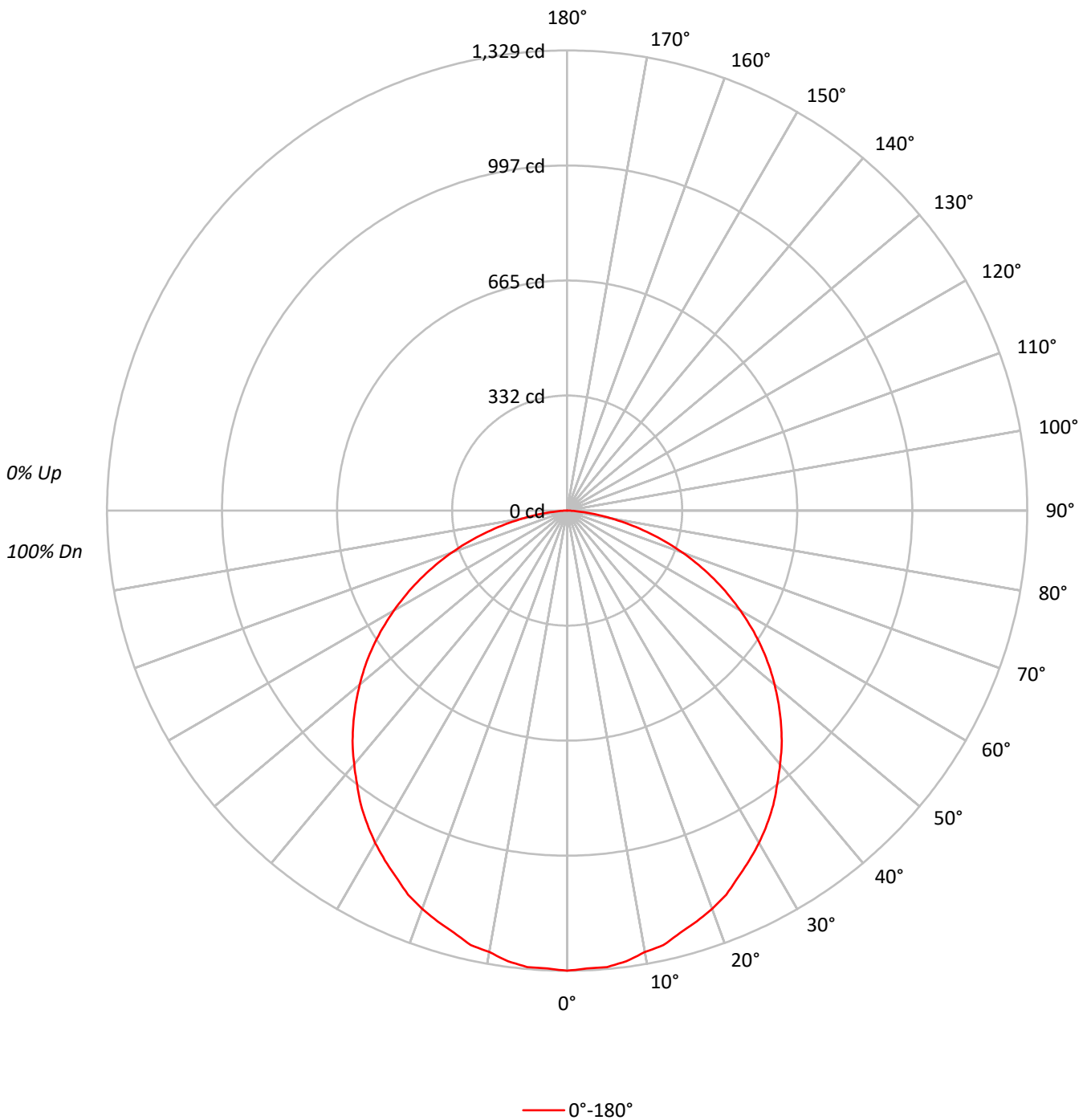
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364967

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL89BW

Luminous Intensity Polar Plot





TEST NUMBER: P364967

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-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	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		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	34	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°	36297
5°	36287
10°	35905
15°	35688
20°	35583
25°	35205
30°	34966
35°	34620
40°	34121
45°	33758
50°	33223
55°	32588
60°	31566
65°	30223
70°	28264
75°	25150
80°	20166
85°	12442



TEST NUMBER: P364967

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL89BW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	3.4
10°-20°	356.8	9.6
20°-30°	539.3	14.5
30°-40°	648.6	17.4
40°-50°	673.7	18.1
50°-60°	610.7	16.4
60°-70°	462.3	12.4
70°-80°	252.5	6.8
80°-90°	53.7	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°	1021.5	27.4
0°-40°	1670.1	44.9
0°-60°	2954.5	79.4
0°-90°	3723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3723.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1329	
5°	1323	125
15°	1262	357
25°	1168	539
35°	1038	649
45°	874	674
55°	684	611
65°	468	462
75°	238	252
85°	40	54
90°	0	



TEST NUMBER: P364967

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BL89BW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1328.8
2.5°	1323.4
5°	1323.4
7.5°	1312.6
10°	1294.5
12.5°	1285.5
15°	1262.0
17.5°	1244.0
20°	1224.1
22.5°	1200.6
25°	1168.1
27.5°	1139.3
30°	1108.6
32.5°	1074.3
35°	1038.2
37.5°	996.6
40°	956.9
42.5°	917.2
45°	873.9
47.5°	828.7
50°	781.8
52.5°	734.8
55°	684.3
57.5°	631.9
60°	577.8
62.5°	523.6
65°	467.6
67.5°	411.7
70°	353.9
72.5°	296.1
75°	238.3
77.5°	182.4
80°	128.2
82.5°	81.2
85°	39.7
87.5°	12.6
90°	0.0

(END OF REPORT)