

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: P365675

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3013.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

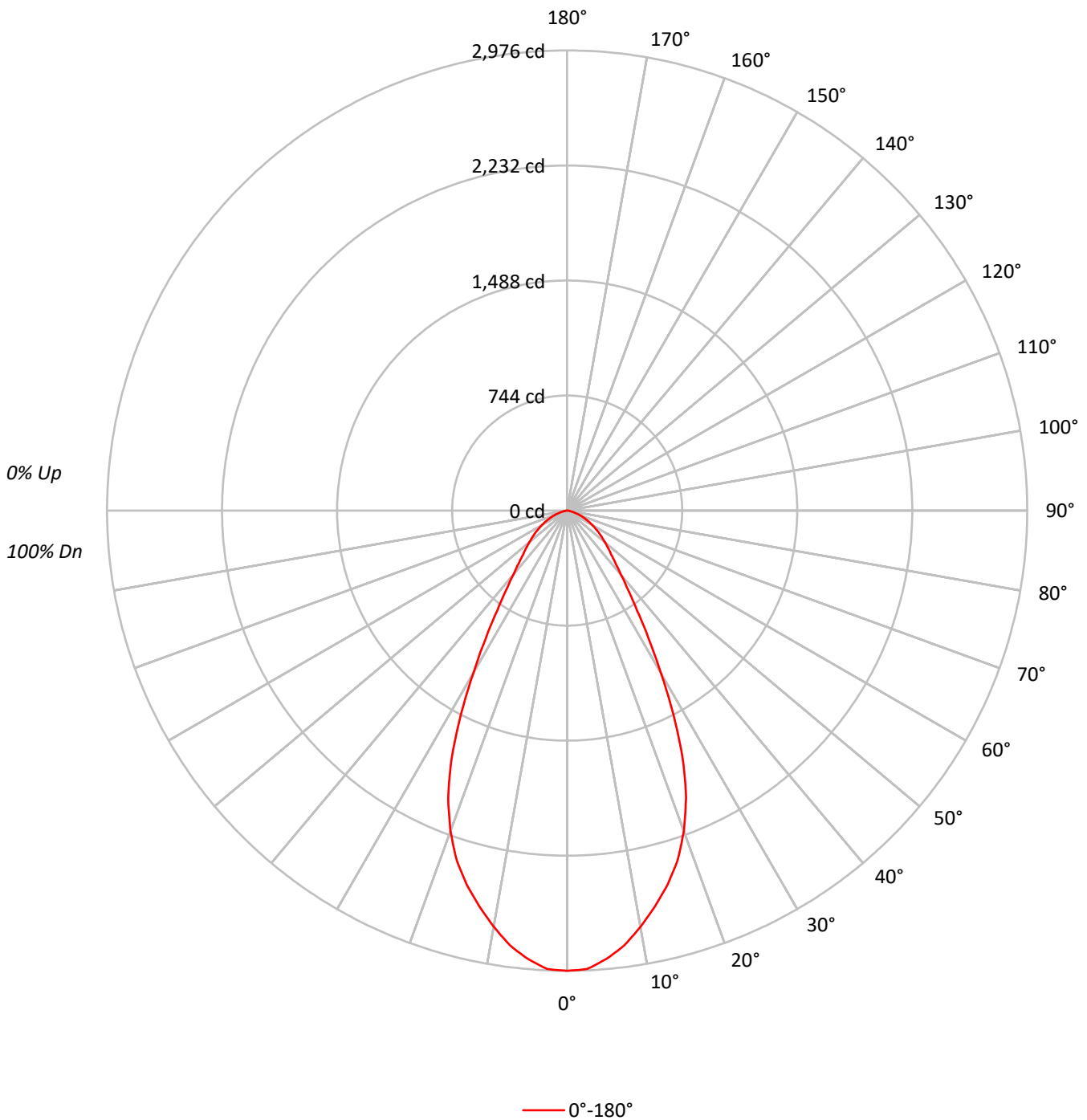
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365675

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR86

Luminous Intensity Polar Plot





TEST NUMBER: P365675

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR86

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	112	109	106	103	110	107	104	101	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213123
5°	209251
10°	198721
15°	185742
20°	168083
25°	139592
30°	100157
35°	68739
40°	50595
45°	40889
50°	35557
55°	31258
60°	27023
65°	23008
70°	18088
75°	12670
80°	7999
85°	8708



TEST NUMBER: P365675

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR86

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	9.0
10°-20°	699.2	23.2
20°-30°	793.1	26.3
30°-40°	508.3	16.9
40°-50°	318.6	10.6
50°-60°	224.7	7.5
60°-70°	135.0	4.5
70°-80°	51.5	1.7
80°-90°	10.3	0.3
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°	1764.6	58.6
0°-40°	2272.8	75.4
0°-60°	2816.2	93.5
0°-90°	3013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3013.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2976	
5°	2911	272
15°	2506	699
25°	1767	793
35°	786	508
45°	404	319
55°	250	225
65°	136	135
75°	46	51
85°	11	10
90°	0	



TEST NUMBER: P365675

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR86

CANDELA DISTRIBUTION (FULL):

	0°
0°	2976.5
2.5°	2967.7
5°	2911.3
7.5°	2835.4
10°	2733.2
12.5°	2622.1
15°	2505.7
17.5°	2373.4
20°	2205.9
22.5°	2010.2
25°	1766.9
27.5°	1486.5
30°	1211.4
32.5°	978.6
35°	786.4
37.5°	647.1
40°	541.3
42.5°	463.8
45°	403.8
47.5°	359.7
50°	319.2
52.5°	283.9
55°	250.4
57.5°	218.7
60°	188.7
62.5°	162.2
65°	135.8
67.5°	111.1
70°	86.4
72.5°	65.2
75°	45.8
77.5°	31.7
80°	19.4
82.5°	12.3
85°	10.6
87.5°	5.3
90°	0.0

(END OF REPORT)