

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: P365427

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1263.0 lumens
Efficiency: N/A
Efficacy: 62.2 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

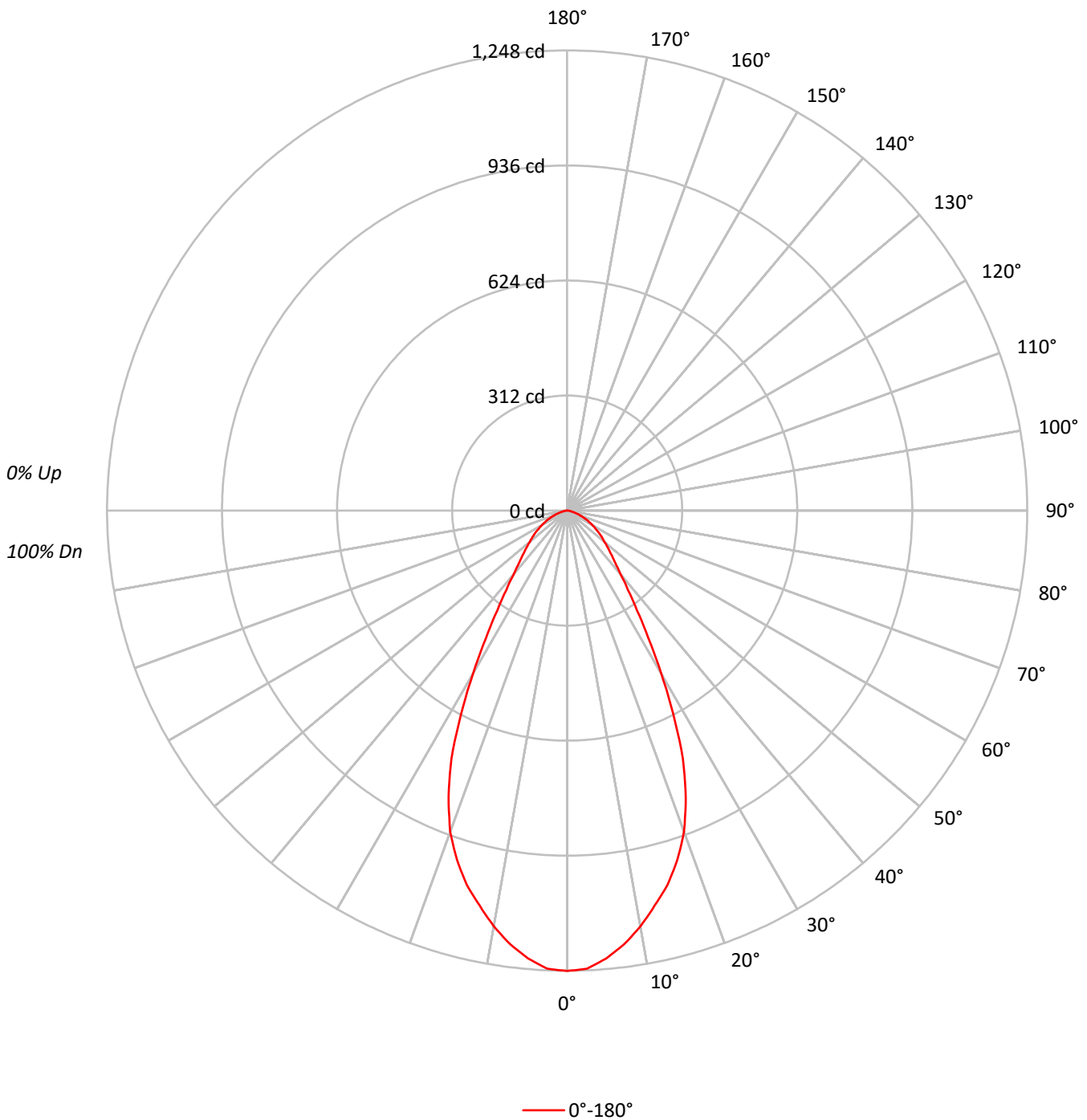
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365427

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P365427

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR94

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	102	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	85	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°	89395
5°	87645
10°	83242
15°	77923
20°	70635
25°	58652
30°	42075
35°	28845
40°	21162
45°	17174
50°	14782
55°	13108
60°	11385
65°	9623
70°	7578
75°	5505
80°	3505
85°	4108



TEST NUMBER: P365427

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	9.0
10°-20°	293.0	23.2
20°-30°	332.7	26.3
30°-40°	212.9	16.9
40°-50°	133.0	10.5
50°-60°	94.2	7.5
60°-70°	56.3	4.5
70°-80°	22.0	1.7
80°-90°	4.8	0.4
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°	739.7	58.6
0°-40°	952.6	75.4
0°-60°	1179.8	93.4
0°-90°	1263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1263.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1248	
5°	1219	114
15°	1051	293
25°	742	333
35°	330	213
45°	170	133
55°	105	94
65°	57	56
75°	20	22
85°	5	5
90°	0	



TEST NUMBER: P365427

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BTR94

CANDELA DISTRIBUTION (FULL):

	0°
0°	1248.5
2.5°	1243.5
5°	1219.4
7.5°	1186.0
10°	1144.9
12.5°	1097.3
15°	1051.2
17.5°	993.7
20°	927.0
22.5°	840.4
25°	742.4
27.5°	623.9
30°	508.9
32.5°	408.8
35°	330.0
37.5°	271.1
40°	226.4
42.5°	193.1
45°	169.6
47.5°	149.8
50°	132.7
52.5°	119.2
55°	105.0
57.5°	91.6
60°	79.5
62.5°	67.4
65°	56.8
67.5°	46.1
70°	36.2
72.5°	27.7
75°	19.9
77.5°	13.5
80°	8.5
82.5°	5.7
85°	5.0
87.5°	2.8
90°	0.0

(END OF REPORT)