

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: P365197

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 830.1 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

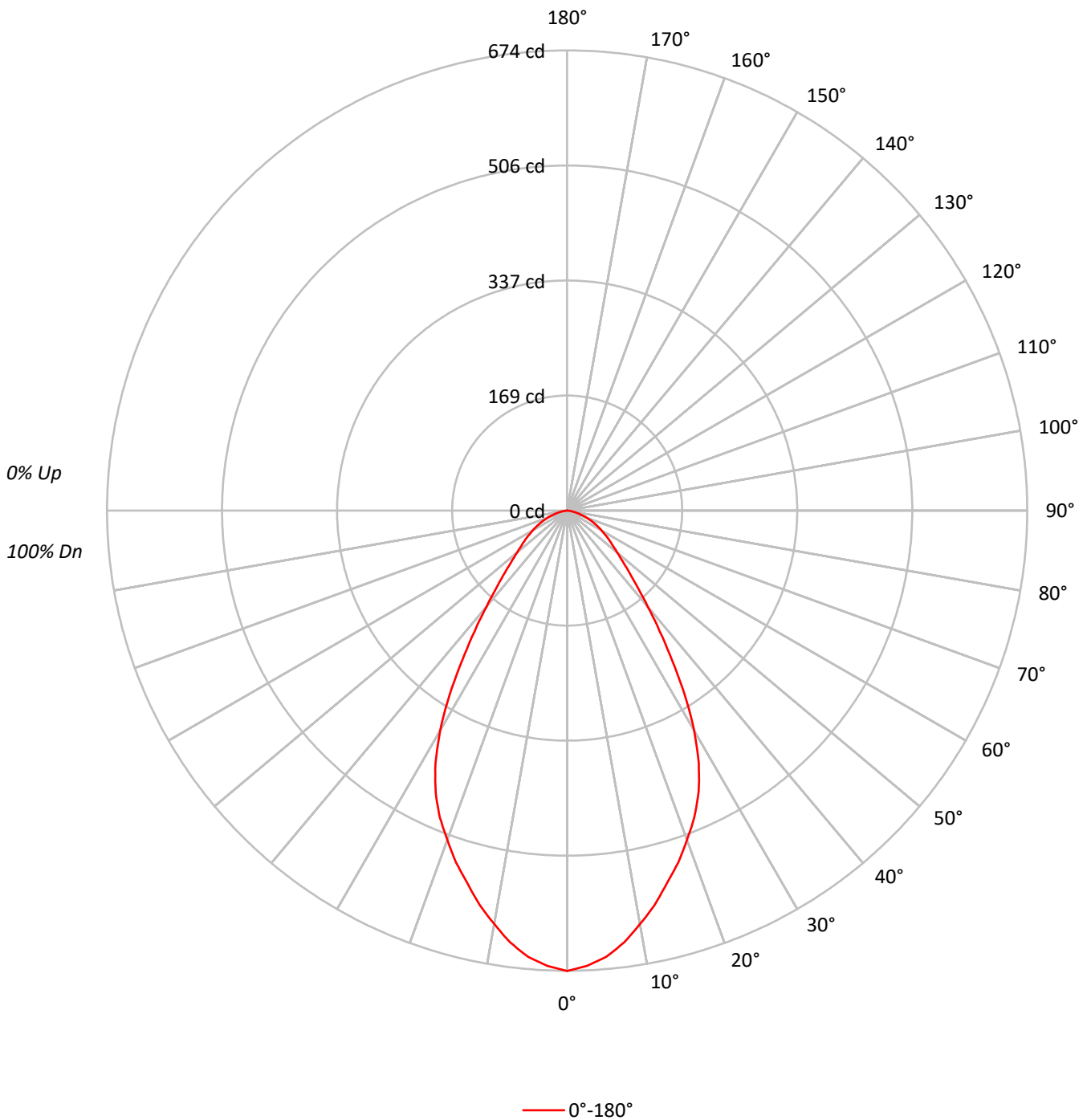
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365197

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BL86

Luminous Intensity Polar Plot





TEST NUMBER: P365197

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BL86

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	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18421
5°	17990
10°	17058
15°	15975
20°	14918
25°	13734
30°	11740
35°	8930
40°	6543
45°	4979
50°	4063
55°	3576
60°	3179
65°	2792
70°	2372
75°	1857
80°	1274
85°	564



TEST NUMBER: P365197

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BL86

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	7.4
10°-20°	158.8	19.1
20°-30°	206.7	24.9
30°-40°	168.7	20.3
40°-50°	102.0	12.3
50°-60°	67.6	8.1
60°-70°	43.0	5.2
70°-80°	19.1	2.3
80°-90°	2.9	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°	426.8	51.4
0°-40°	595.5	71.7
0°-60°	765.1	92.2
0°-90°	830.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	830.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	674	
5°	656	61
15°	565	159
25°	456	207
35°	268	169
45°	129	102
55°	75	68
65°	43	43
75°	18	19
85°	2	3
90°	0	



TEST NUMBER: P365197

CATALOG NUMBER: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BL86

CANDELA DISTRIBUTION (FULL):

0°	
0°	674.4
2.5°	667.4
5°	656.1
7.5°	638.1
10°	615.0
12.5°	591.6
15°	564.9
17.5°	540.7
20°	513.2
22.5°	486.8
25°	455.7
27.5°	417.6
30°	372.2
32.5°	321.3
35°	267.8
37.5°	222.4
40°	183.5
42.5°	152.8
45°	128.9
47.5°	110.3
50°	95.6
52.5°	84.3
55°	75.1
57.5°	66.3
60°	58.2
62.5°	50.6
65°	43.2
67.5°	36.3
70°	29.7
72.5°	23.4
75°	17.6
77.5°	12.5
80°	8.1
82.5°	4.4
85°	1.8
87.5°	0.4
90°	0.0

(END OF REPORT)