

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: P365375

Luminaire Tested: **FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1579.0 lumens
Efficiency: N/A
Efficacy: 77.8 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

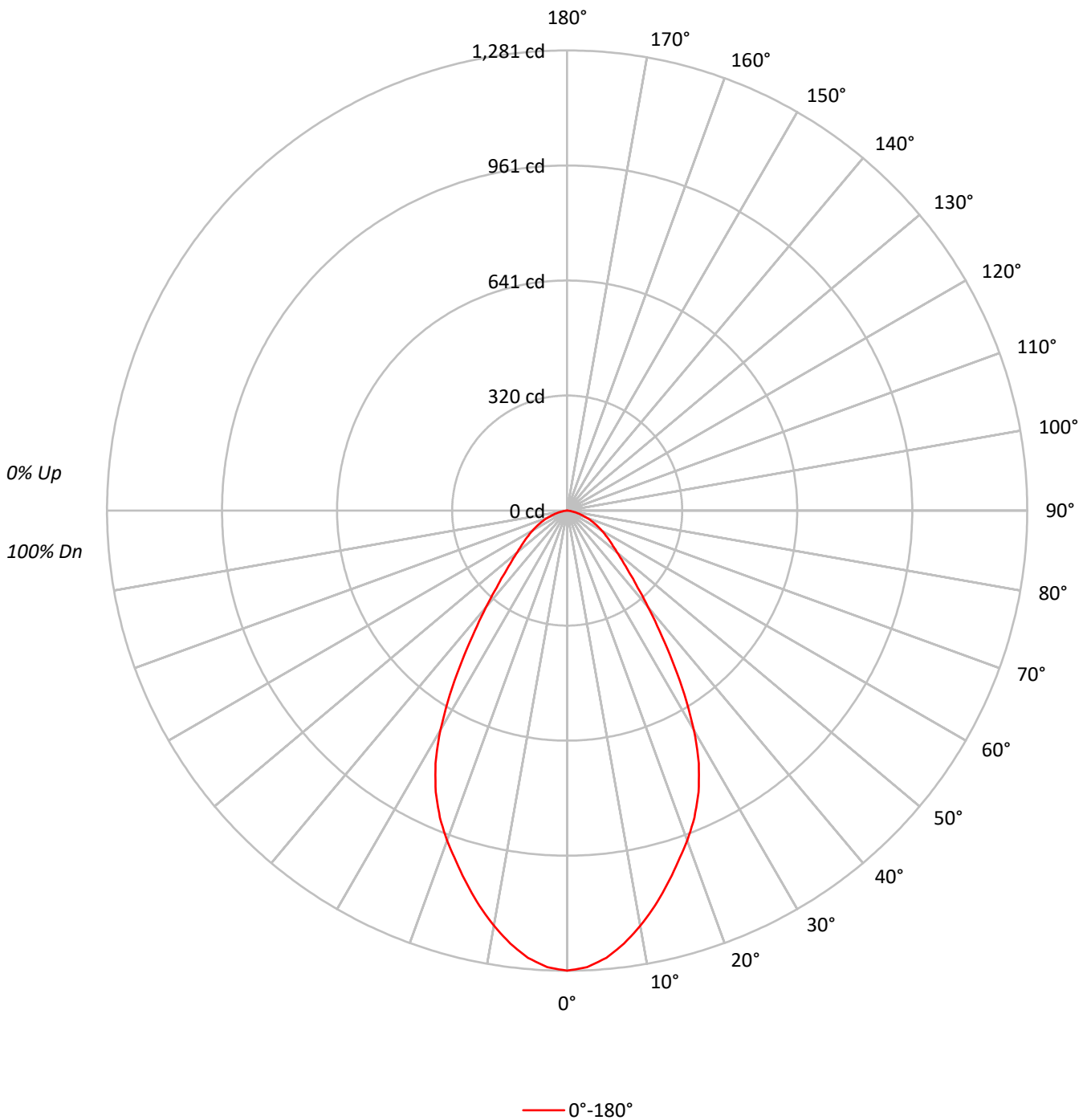
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365375

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P365375

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL84

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°	34983
5°	34269
10°	32555
15°	30456
20°	28414
25°	26070
30°	22265
35°	16973
40°	12498
45°	9487
50°	7726
55°	6796
60°	6069
65°	5365
70°	4544
75°	3546
80°	2375
85°	1066



TEST NUMBER: P365375

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	7.4
10°-20°	302.2	19.1
20°-30°	392.8	24.9
30°-40°	320.1	20.3
40°-50°	194.3	12.3
50°-60°	128.6	8.1
60°-70°	82.5	5.2
70°-80°	36.4	2.3
80°-90°	5.4	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°	811.9	51.4
0°-40°	1131.9	71.7
0°-60°	1454.7	92.1
0°-90°	1579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1579.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1281	
5°	1250	117
15°	1077	302
25°	865	393
35°	509	320
45°	246	194
55°	143	129
65°	83	82
75°	34	36
85°	3	5
90°	0	



TEST NUMBER: P365375

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8035-F6LBXVM1-MW-BL84

CANDELA DISTRIBUTION (FULL):

0°	
0°	1280.7
2.5°	1272.5
5°	1249.8
7.5°	1215.5
10°	1173.7
12.5°	1127.0
15°	1077.0
17.5°	1025.5
20°	977.5
22.5°	925.4
25°	865.0
27.5°	793.7
30°	705.9
32.5°	607.1
35°	509.0
37.5°	421.9
40°	350.5
42.5°	290.8
45°	245.6
47.5°	209.9
50°	181.8
52.5°	160.5
55°	142.7
57.5°	126.2
60°	111.1
62.5°	96.7
65°	83.0
67.5°	70.0
70°	56.9
72.5°	44.6
75°	33.6
77.5°	24.0
80°	15.1
82.5°	8.2
85°	3.4
87.5°	0.7
90°	0.0

(END OF REPORT)