

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: P365394

Luminaire Tested: **FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1591.0 lumens
Efficiency: N/A
Efficacy: 78.4 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

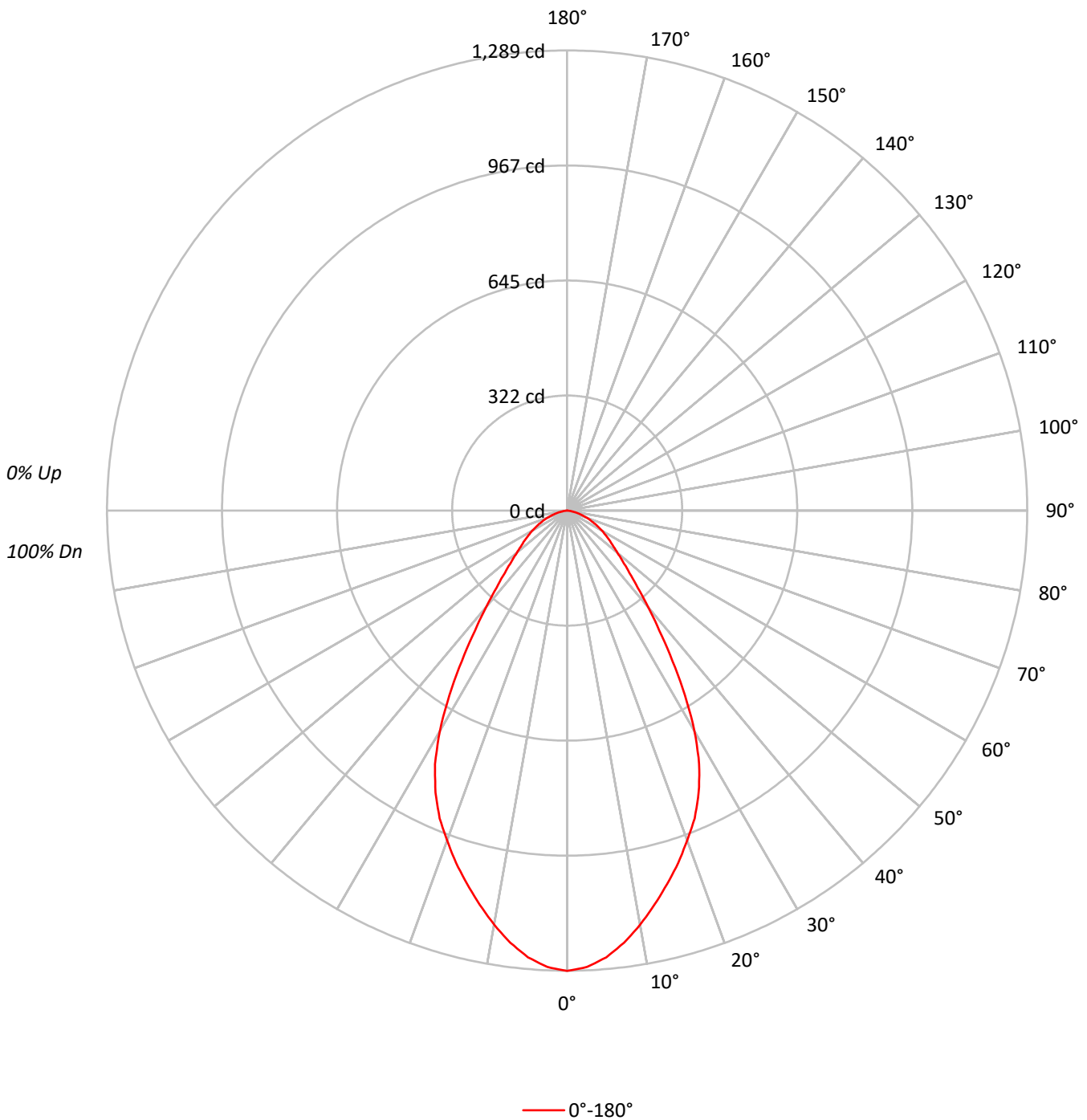
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365394

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL85

Luminous Intensity Polar Plot





TEST NUMBER: P365394

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL85

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	94	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	69	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	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	63	57	52	62	56	51	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°	35220
5°	34442
10°	32665
15°	30618
20°	28568
25°	26278
30°	22511
35°	17140
40°	12587
45°	9538
50°	7811
55°	6872
60°	6140
65°	5378
70°	4600
75°	3588
80°	2407
85°	1097



TEST NUMBER: P365394

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL85

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	7.4
10°-20°	303.9	19.1
20°-30°	396.1	24.9
30°-40°	322.9	20.3
40°-50°	195.5	12.3
50°-60°	129.8	8.2
60°-70°	83.1	5.2
70°-80°	36.8	2.3
80°-90°	5.5	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°	817.4	51.4
0°-40°	1140.3	71.7
0°-60°	1465.7	92.1
0°-90°	1591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1591.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1289	
5°	1256	117
15°	1083	304
25°	872	396
35°	514	323
45°	247	196
55°	144	130
65°	83	83
75°	34	37
85°	4	5
90°	0	



TEST NUMBER: P365394

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8040-F6LBXVM1-MW-BL85

CANDELA DISTRIBUTION (FULL):

0°	
0°	1289.4
2.5°	1279.7
5°	1256.1
7.5°	1220.7
10°	1177.7
12.5°	1130.6
15°	1082.7
17.5°	1034.8
20°	982.8
22.5°	932.9
25°	871.9
27.5°	801.1
30°	713.7
32.5°	613.8
35°	514.0
37.5°	423.8
40°	353.0
42.5°	292.7
45°	246.9
47.5°	210.9
50°	183.8
52.5°	161.6
55°	144.3
57.5°	127.6
60°	112.4
62.5°	97.8
65°	83.2
67.5°	70.1
70°	57.6
72.5°	45.1
75°	34.0
77.5°	24.3
80°	15.3
82.5°	8.3
85°	3.5
87.5°	0.7
90°	0.0

(END OF REPORT)