

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: P365414

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1543.0 lumens
Efficiency: N/A
Efficacy: 76.0 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

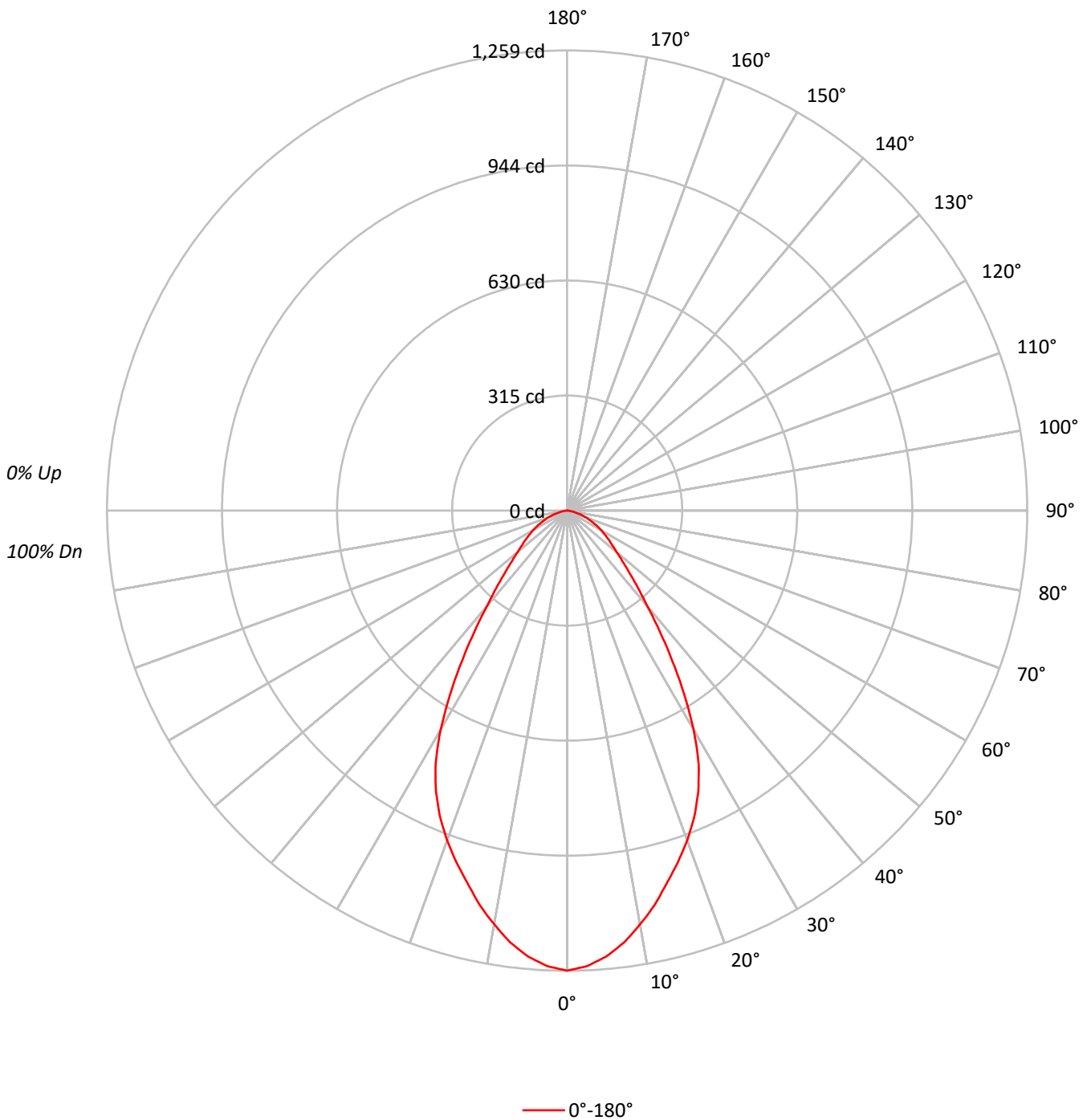
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365414

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL87

Luminous Intensity Polar Plot





TEST NUMBER: P365414

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL87

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	98	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	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	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	79	69	62	57	67	61	56	65	60	56	64	59	56	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	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34384
5°	33581
10°	31883
15°	29814
20°	27903
25°	25591
30°	21833
35°	16713
40°	12152
45°	9271
50°	7513
55°	6591
60°	5856
65°	5093
70°	4313
75°	3367
80°	2234
85°	878



TEST NUMBER: P365414

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	7.4
10°-20°	296.5	19.2
20°-30°	385.5	25.0
30°-40°	314.1	20.4
40°-50°	189.7	12.3
50°-60°	124.6	8.1
60°-70°	78.7	5.1
70°-80°	34.4	2.2
80°-90°	5.0	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°	796.5	51.6
0°-40°	1110.6	72.0
0°-60°	1424.9	92.3
0°-90°	1543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1259	
5°	1225	115
15°	1054	296
25°	849	385
35°	501	314
45°	240	190
55°	138	125
65°	79	79
75°	32	34
85°	3	5
90°	0	



TEST NUMBER: P365414

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-MW-BL87

CANDELA DISTRIBUTION (FULL):

	0°
0°	1258.8
2.5°	1247.4
5°	1224.7
7.5°	1192.1
10°	1149.5
12.5°	1105.4
15°	1054.3
17.5°	1008.2
20°	959.9
22.5°	908.1
25°	849.1
27.5°	778.8
30°	692.2
32.5°	595.7
35°	501.2
37.5°	414.6
40°	340.8
42.5°	285.4
45°	240.0
47.5°	204.5
50°	176.8
52.5°	155.5
55°	138.4
57.5°	122.1
60°	107.2
62.5°	93.0
65°	78.8
67.5°	66.0
70°	54.0
72.5°	42.6
75°	31.9
77.5°	22.0
80°	14.2
82.5°	7.8
85°	2.8
87.5°	0.7
90°	0.0

(END OF REPORT)