

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: P366070

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1422.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

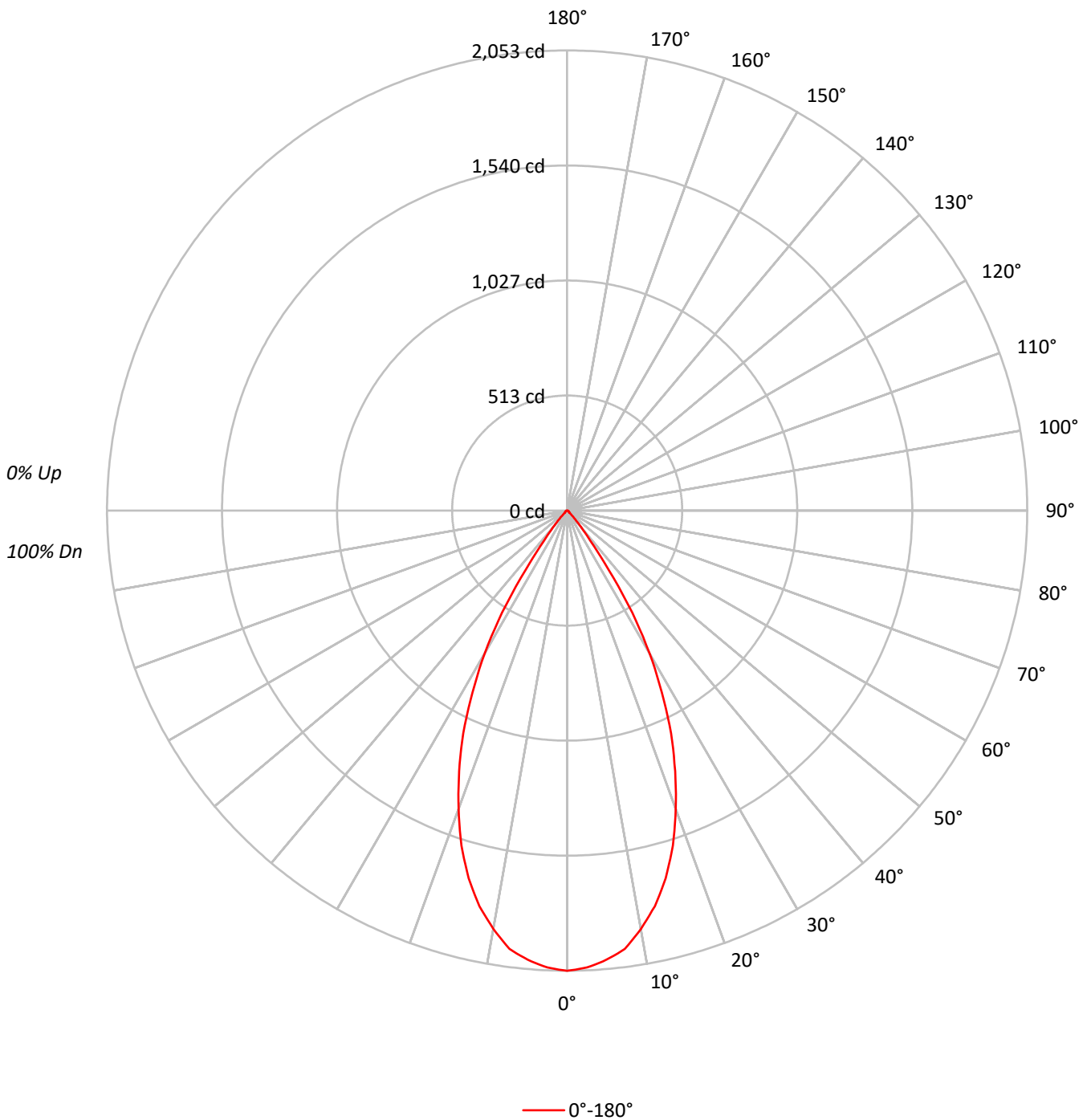
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366070

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR85

Luminous Intensity Polar Plot





TEST NUMBER: P366070

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR85

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147020
5°	144599
10°	137779
15°	125898
20°	107964
25°	86628
30°	60736
35°	28059
40°	9010
45°	2906
50°	1348
55°	1198
60°	1189
65°	1084
70°	1068
75°	1245
80°	1567
85°	2629



TEST NUMBER: P366070

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR85

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	13.3
10°-20°	470.0	33.1
20°-30°	493.6	34.7
30°-40°	219.0	15.4
40°-50°	28.3	2.0
50°-60°	8.8	0.6
60°-70°	6.2	0.4
70°-80°	4.6	0.3
80°-90°	2.8	0.2
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°	1152.3	81.0
0°-40°	1371.3	96.4
0°-60°	1408.4	99.0
0°-90°	1422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1422.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2053	
5°	2012	189
15°	1698	470
25°	1096	494
35°	321	219
45°	29	28
55°	10	9
65°	6	6
75°	4	5
85°	3	3
90°	0	



TEST NUMBER: P366070

CATALOG NUMBER: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-WMH-BTR85

CANDELA DISTRIBUTION (FULL):

0°	
0°	2053.3
2.5°	2040.5
5°	2011.8
7.5°	1972.9
10°	1895.0
12.5°	1807.6
15°	1698.4
17.5°	1567.6
20°	1416.9
22.5°	1258.7
25°	1096.5
27.5°	914.6
30°	734.6
32.5°	540.0
35°	321.0
37.5°	171.1
40°	96.4
42.5°	53.0
45°	28.7
47.5°	14.7
50°	12.1
52.5°	10.9
55°	9.6
57.5°	8.9
60°	8.3
62.5°	7.0
65°	6.4
67.5°	5.1
70°	5.1
72.5°	4.5
75°	4.5
77.5°	3.8
80°	3.8
82.5°	3.2
85°	3.2
87.5°	1.9
90°	0.0

(END OF REPORT)