

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: P366089

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366089
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-FEU6B12-8030-F6LBXVM1-WMH-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1440.0 lumens
Efficiency: N/A
Efficacy: 70.9 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

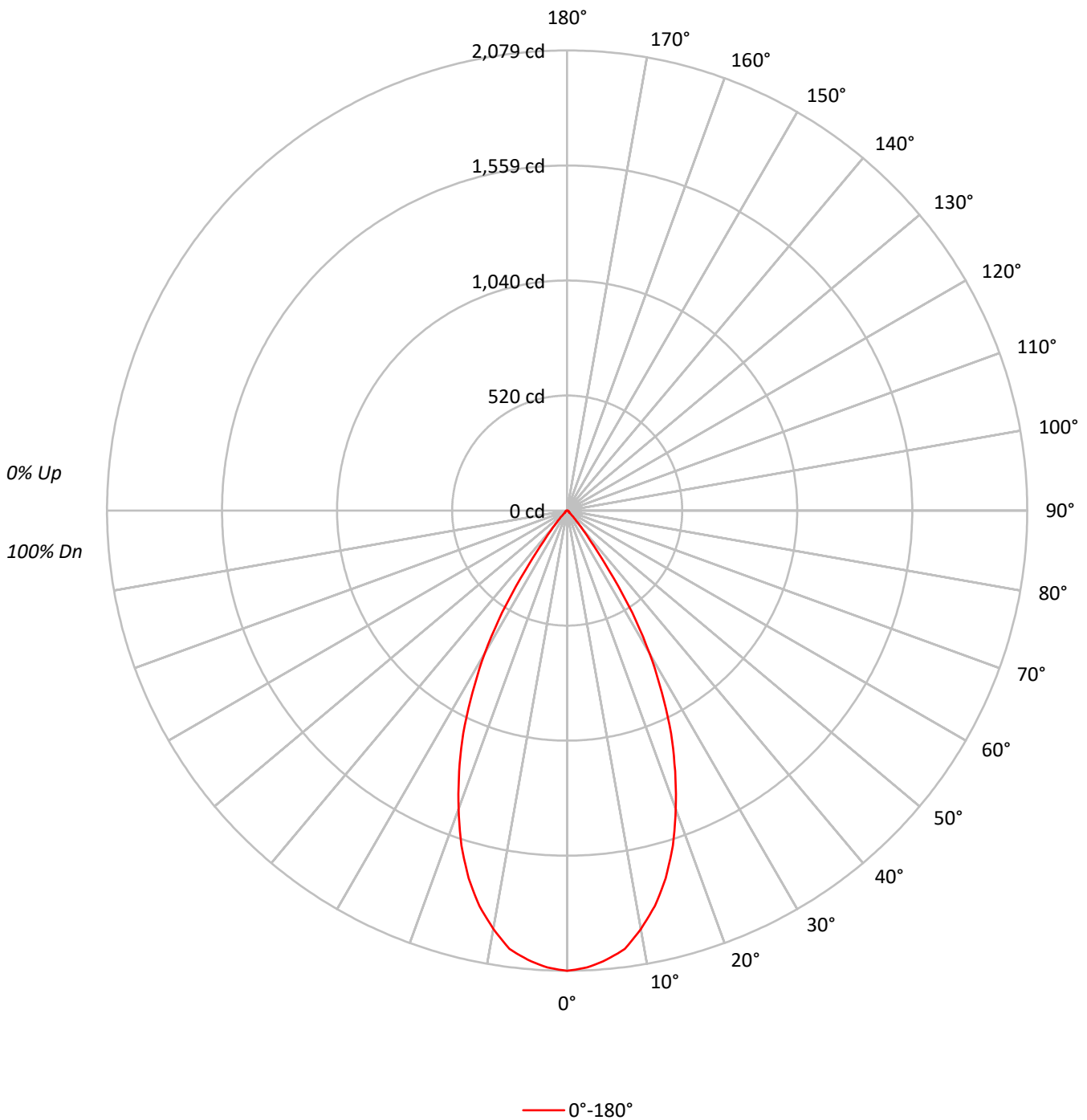
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	148882
5°	146432
10°	139524
15°	127492
20°	109335
25°	87726
30°	61505
35°	28417
40°	9123
45°	2947
50°	1370
55°	1211
60°	1203
65°	1101
70°	1089
75°	1245
80°	1608
85°	2629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.1	13.3
10°-20°	475.9	33.1
20°-30°	499.8	34.7
30°-40°	221.8	15.4
40°-50°	28.7	2.0
50°-60°	8.9	0.6
60°-70°	6.3	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°	1166.8	81.0
0°-40°	1388.6	96.4
0°-60°	1426.2	99.0
0°-90°	1440.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1440.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2079	
5°	2037	191
15°	1720	476
25°	1110	500
35°	325	222
45°	29	29
55°	10	9
65°	6	6
75°	4	5
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2079.3
2.5°	2066.4
5°	2037.3
7.5°	1997.8
10°	1919.0
12.5°	1830.4
15°	1719.9
17.5°	1587.4
20°	1434.9
22.5°	1274.6
25°	1110.4
27.5°	926.2
30°	743.9
32.5°	546.8
35°	325.1
37.5°	173.2
40°	97.6
42.5°	53.6
45°	29.1
47.5°	14.9
50°	12.3
52.5°	11.0
55°	9.7
57.5°	9.0
60°	8.4
62.5°	7.1
65°	6.5
67.5°	5.2
70°	5.2
72.5°	4.5
75°	4.5
77.5°	3.9
80°	3.9
82.5°	3.2
85°	3.2
87.5°	1.9
90°	0.0

(END OF REPORT)