

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: P366529

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6050.9 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

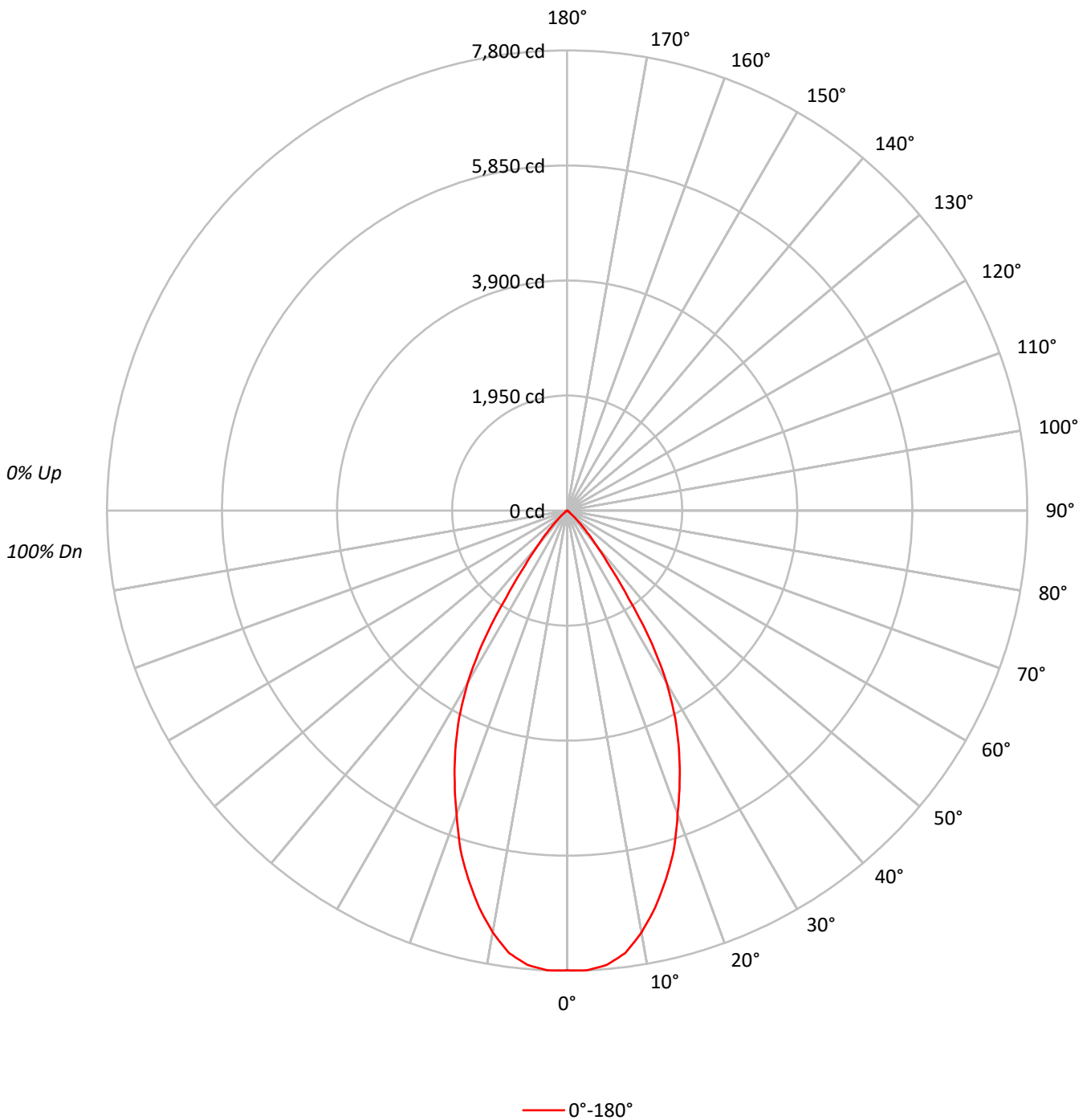
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212871
5°	211973
10°	201363
15°	182910
20°	159163
25°	135318
30°	106444
35°	60733
40°	27328
45°	11504
50°	3629
55°	1100
60°	759
65°	595
70°	551
75°	728
80°	362
85°	721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.1	12.0
10°-20°	1799.2	29.7
20°-30°	2038.8	33.7
30°-40°	1181.9	19.5
40°-50°	262.1	4.3
50°-60°	28.7	0.5
60°-70°	9.4	0.2
70°-80°	6.1	0.1
80°-90°	1.6	0.0
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°	4561.2	75.4
0°-40°	5743.1	94.9
0°-60°	6033.9	99.7
0°-90°	6050.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6050.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7793	
5°	7731	723
15°	6468	1799
25°	4490	2039
35°	1821	1182
45°	298	262
55°	23	29
65°	9	9
75°	7	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7793.1
2.5°	7800.0
5°	7730.7
7.5°	7562.2
10°	7259.8
12.5°	6892.8
15°	6468.1
17.5°	6020.2
20°	5475.5
22.5°	4983.8
25°	4489.8
27.5°	3963.5
30°	3374.8
32.5°	2680.0
35°	1821.3
37.5°	1170.3
40°	766.4
42.5°	500.9
45°	297.8
47.5°	166.2
50°	85.4
52.5°	39.2
55°	23.1
57.5°	18.5
60°	13.9
62.5°	11.5
65°	9.2
67.5°	6.9
70°	6.9
72.5°	6.9
75°	6.9
77.5°	4.6
80°	2.3
82.5°	2.3
85°	2.3
87.5°	0.0
90°	0.0

(END OF REPORT)