

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: P366553

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5132.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

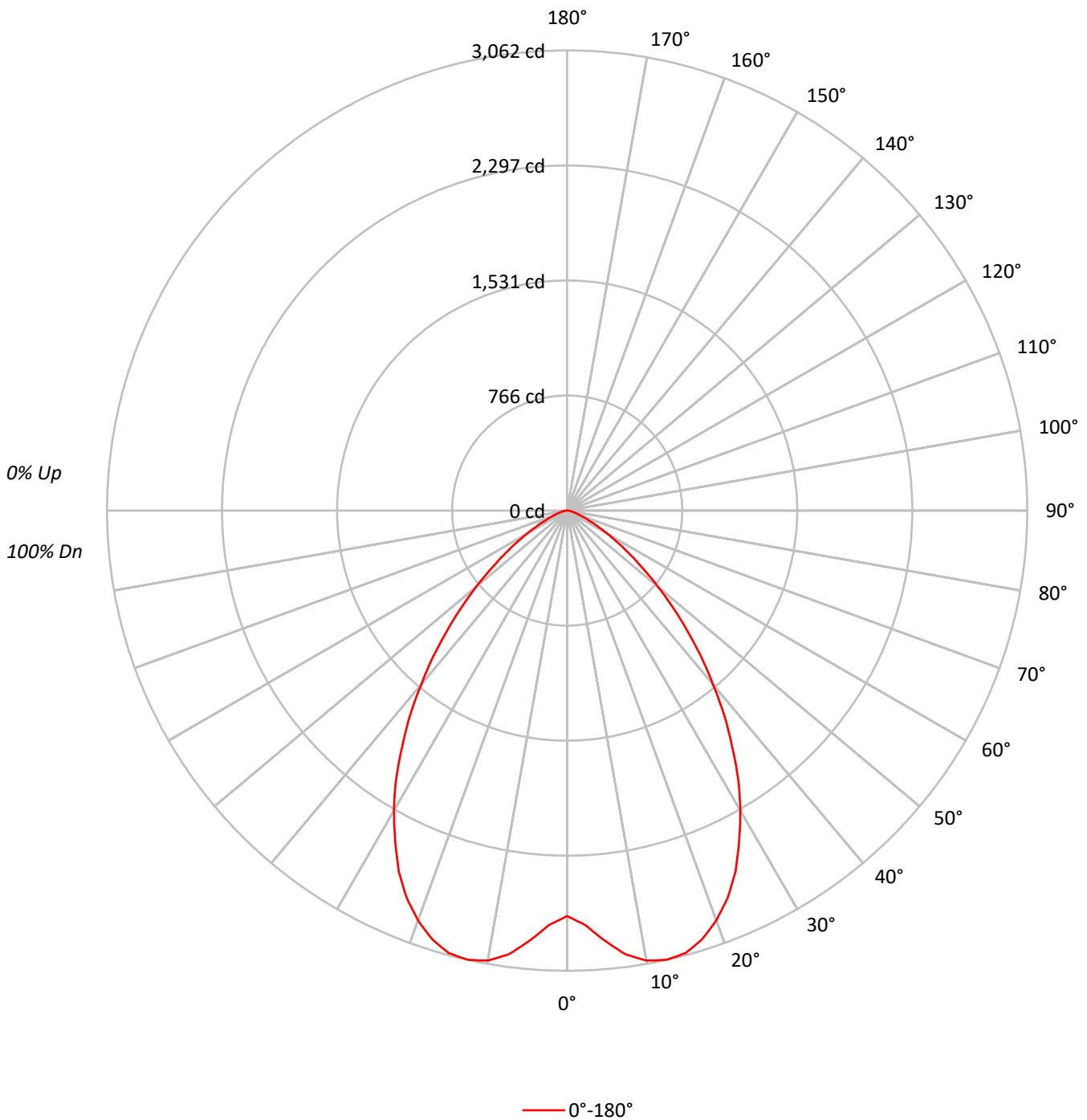
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	193182
5°	206484
10°	221057
15°	225904
20°	221086
25°	209368
30°	190607
35°	167197
40°	141195
45°	114181
50°	88000
55°	64252
60°	44221
65°	29209
70°	19051
75°	13915
80°	11834
85°	13802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.6	5.4
10°-20°	853.4	16.6
20°-30°	1209.2	23.6
30°-40°	1192.6	23.2
40°-50°	874.2	17.0
50°-60°	468.7	9.1
60°-70°	180.1	3.5
70°-80°	57.4	1.1
80°-90°	16.9	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
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0°-30°	2342.2	45.6
0°-40°	3534.7	68.9
0°-60°	4877.6	95.0
0°-90°	5132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5132.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2698	
5°	2873	280
15°	3048	853
25°	2650	1209
35°	1913	1193
45°	1128	874
55°	515	469
65°	172	180
75°	50	57
85°	17	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2698.0
2.5°	2760.3
5°	2872.8
7.5°	2978.1
10°	3040.4
12.5°	3061.9
15°	3047.5
17.5°	2990.1
20°	2901.5
22.5°	2789.0
25°	2650.1
27.5°	2477.8
30°	2305.4
32.5°	2118.7
35°	1912.8
37.5°	1716.5
40°	1510.6
42.5°	1321.5
45°	1127.6
47.5°	955.2
50°	790.0
52.5°	641.6
55°	514.7
57.5°	402.2
60°	308.8
62.5°	232.2
65°	172.4
67.5°	126.9
70°	91.0
72.5°	69.4
75°	50.3
77.5°	38.3
80°	28.7
82.5°	21.5
85°	16.8
87.5°	9.6
90°	0.0

(END OF REPORT)