

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: P366590

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5321.9 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

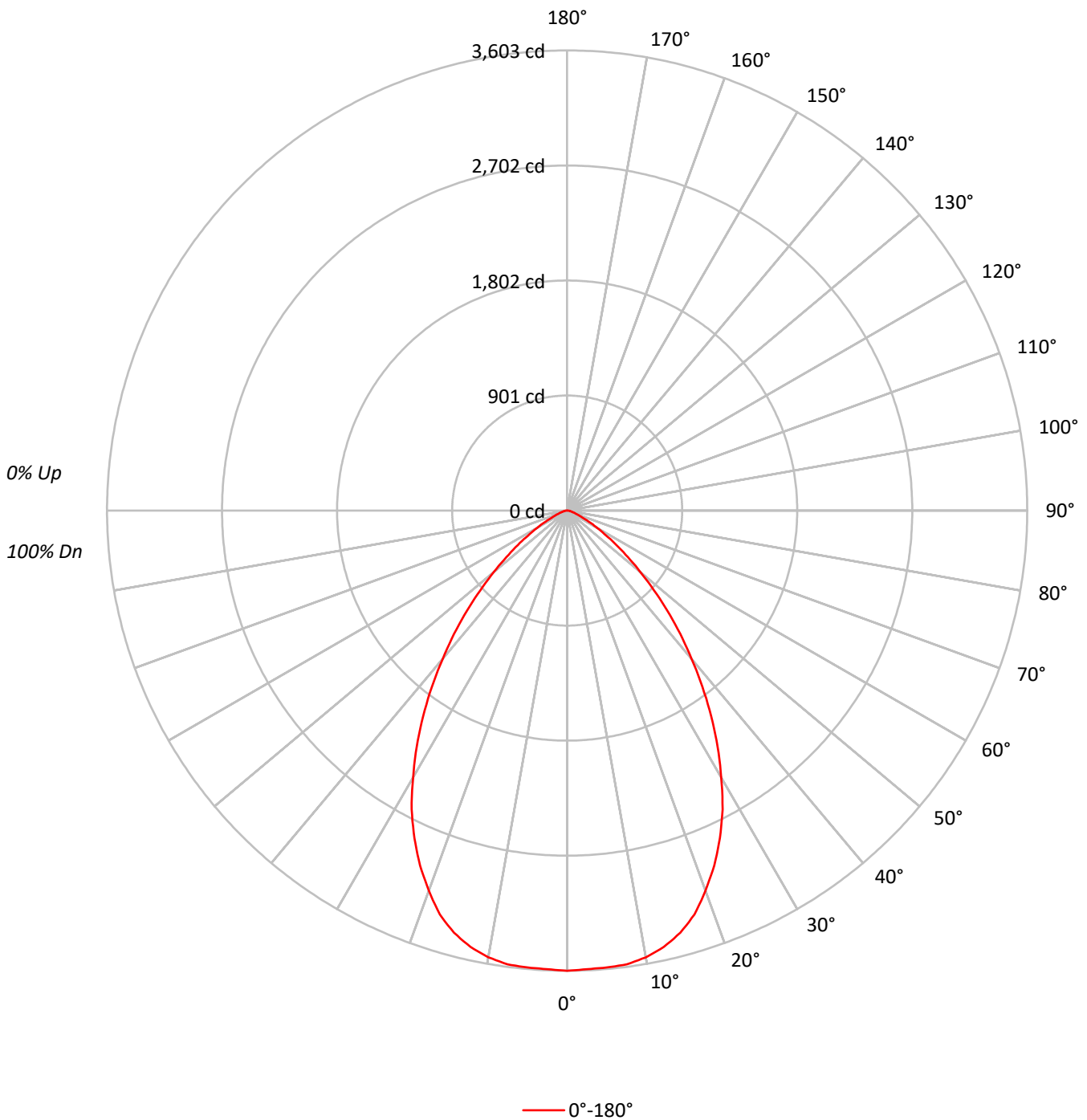
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	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	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	258010
5°	258104
10°	258210
15°	253702
20°	241331
25°	223597
30°	199570
35°	171786
40°	141765
45°	112176
50°	83366
55°	58784
60°	39037
65°	23940
70°	15555
75°	11647
80°	10226
85°	12241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.8	6.4
10°-20°	958.1	18.0
20°-30°	1293.5	24.3
30°-40°	1224.0	23.0
40°-50°	857.9	16.1
50°-60°	431.7	8.1
60°-70°	152.5	2.9
70°-80°	47.6	0.9
80°-90°	14.8	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°	2593.4	48.7
0°-40°	3817.4	71.7
0°-60°	5107.0	96.0
0°-90°	5321.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5321.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3603	
5°	3591	342
15°	3422	958
25°	2830	1294
35°	1965	1224
45°	1108	858
55°	471	432
65°	141	152
75°	42	48
85°	15	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3603.4
2.5°	3593.5
5°	3591.0
7.5°	3583.6
10°	3551.4
12.5°	3499.3
15°	3422.5
17.5°	3315.9
20°	3167.2
22.5°	3008.6
25°	2830.2
27.5°	2636.9
30°	2413.8
32.5°	2193.3
35°	1965.3
37.5°	1739.8
40°	1516.7
42.5°	1311.0
45°	1107.8
47.5°	921.9
50°	748.4
52.5°	599.7
55°	470.9
57.5°	361.8
60°	272.6
62.5°	200.7
65°	141.3
67.5°	104.1
70°	74.3
72.5°	57.0
75°	42.1
77.5°	32.2
80°	24.8
82.5°	19.8
85°	14.9
87.5°	7.4
90°	0.0

(END OF REPORT)