

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: P365858

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4533.0 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

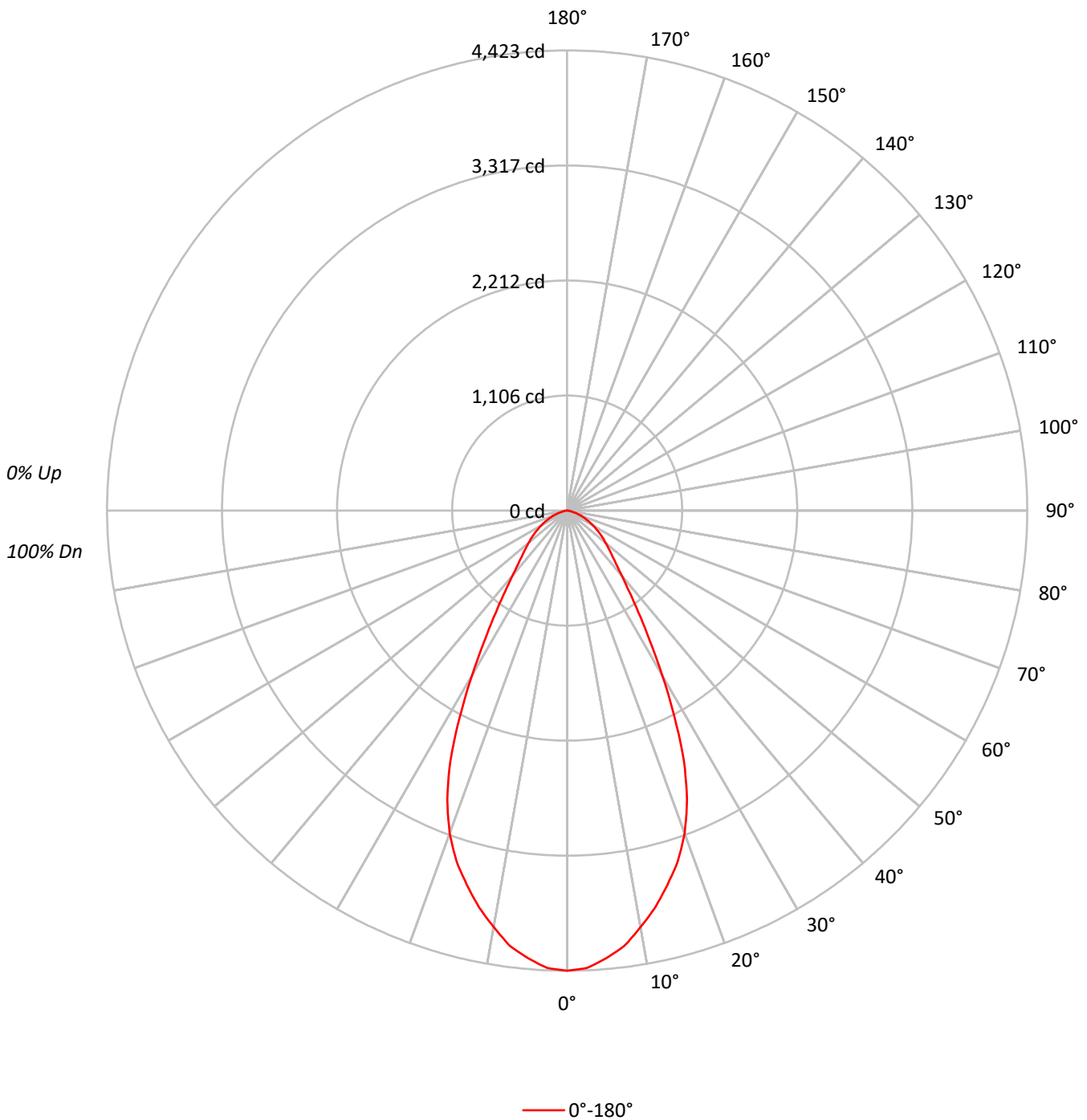
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	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	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	316688
5°	310430
10°	295552
15°	276059
20°	251519
25°	209961
30°	150955
35°	104210
40°	76168
45°	61708
50°	53870
55°	47699
60°	41558
65°	35240
70°	28346
75°	20057
80°	13978
85°	15856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.7	8.9
10°-20°	1041.5	23.0
20°-30°	1190.4	26.3
30°-40°	765.9	16.9
40°-50°	480.0	10.6
50°-60°	342.7	7.6
60°-70°	207.9	4.6
70°-80°	81.5	1.8
80°-90°	18.4	0.4
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°	2636.6	58.2
0°-40°	3402.5	75.1
0°-60°	4225.3	93.2
0°-90°	4533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4533.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4423	
5°	4319	405
15°	3724	1041
25°	2658	1190
35°	1192	766
45°	609	480
55°	382	343
65°	208	208
75°	72	81
85°	19	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4422.9
2.5°	4401.2
5°	4319.0
7.5°	4219.8
10°	4065.0
12.5°	3907.9
15°	3724.1
17.5°	3535.5
20°	3300.9
22.5°	3010.7
25°	2657.6
27.5°	2232.0
30°	1825.8
32.5°	1467.9
35°	1192.2
37.5°	974.5
40°	814.9
42.5°	696.5
45°	609.4
47.5°	541.7
50°	483.6
52.5°	432.9
55°	382.1
57.5°	333.7
60°	290.2
62.5°	249.1
65°	208.0
67.5°	171.7
70°	135.4
72.5°	101.6
75°	72.5
77.5°	50.8
80°	33.9
82.5°	21.8
85°	19.3
87.5°	9.7
90°	0.0

(END OF REPORT)