

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: P365794

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5439.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

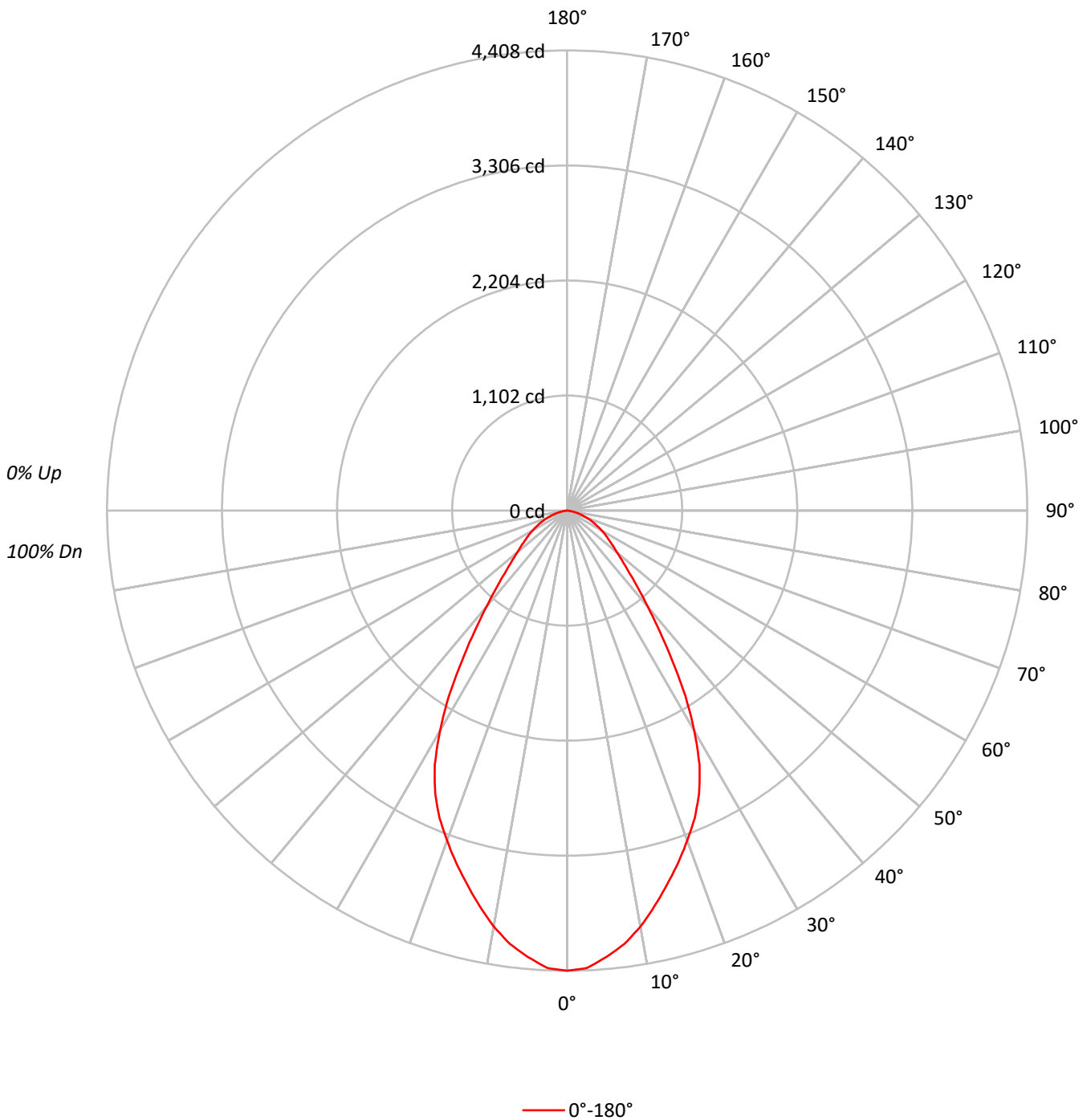
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90				90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80				80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72				72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65				65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59				59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54				54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49				49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42				42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39				39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120397
5°	117718
10°	112228
15°	104770
20°	97774
25°	90143
30°	76771
35°	58402
40°	42753
45°	32526
50°	26432
55°	23207
60°	20852
65°	18433
70°	15606
75°	12327
80°	8479
85°	3510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.3	7.4
10°-20°	1040.7	19.1
20°-30°	1356.2	24.9
30°-40°	1104.1	20.3
40°-50°	665.8	12.2
50°-60°	441.4	8.1
60°-70°	283.3	5.2
70°-80°	126.3	2.3
80°-90°	18.9	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
0°-30°	2799.2	51.5
0°-40°	3903.3	71.8
0°-60°	5010.5	92.1
0°-90°	5439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5439.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4408	
5°	4293	402
15°	3705	1041
25°	2991	1356
35°	1751	1104
45°	842	666
55°	487	441
65°	285	283
75°	117	126
85°	11	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4407.7
2.5°	4385.3
5°	4293.2
7.5°	4187.7
10°	4046.2
12.5°	3877.8
15°	3704.9
17.5°	3536.5
20°	3363.6
22.5°	3190.7
25°	2990.9
27.5°	2746.1
30°	2434.0
32.5°	2108.4
35°	1751.4
37.5°	1452.8
40°	1199.0
42.5°	999.2
45°	842.0
47.5°	718.5
50°	622.0
52.5°	552.4
55°	487.3
57.5°	435.6
60°	381.7
62.5°	332.3
65°	285.2
67.5°	240.3
70°	195.4
72.5°	154.9
75°	116.8
77.5°	83.1
80°	53.9
82.5°	29.2
85°	11.2
87.5°	2.2
90°	0.0

(END OF REPORT)