

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: P365848

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365848
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-FEU6B67-8040-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: 5861.0 lumens
Efficiency: N/A
Efficacy: 79.9 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

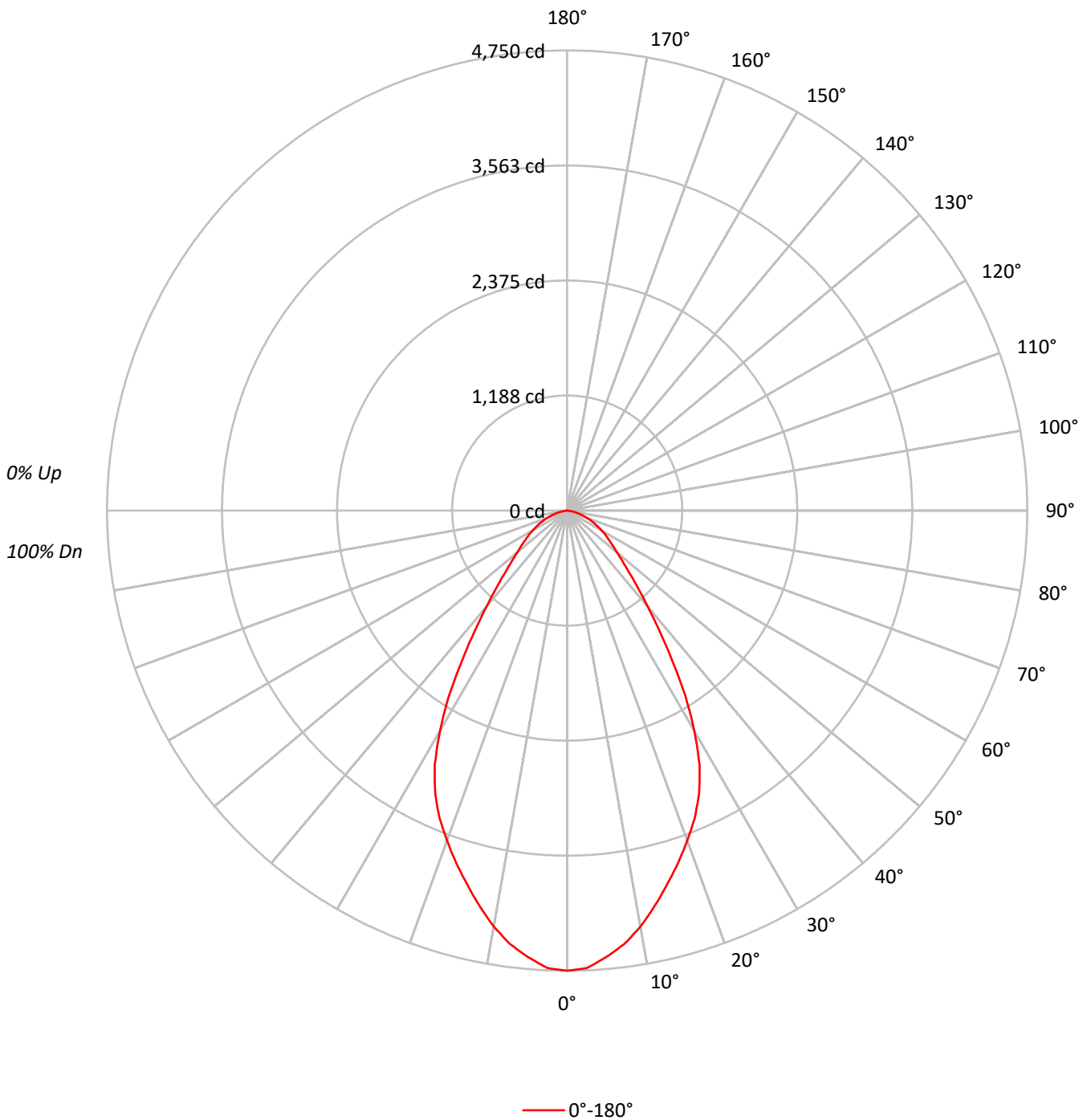
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	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	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129739
5°	126851
10°	120937
15°	112900
20°	105361
25°	97135
30°	82729
35°	62933
40°	46073
45°	35053
50°	28480
55°	25007
60°	22470
65°	19862
70°	16811
75°	13277
80°	9139
85°	3792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.5	7.4
10°-20°	1121.4	19.1
20°-30°	1461.4	24.9
30°-40°	1189.8	20.3
40°-50°	717.5	12.2
50°-60°	475.6	8.1
60°-70°	305.3	5.2
70°-80°	136.0	2.3
80°-90°	20.4	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°	3016.4	51.5
0°-40°	4206.2	71.8
0°-60°	5399.3	92.1
0°-90°	5861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5861.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4750	
5°	4626	434
15°	3992	1121
25°	3223	1461
35°	1887	1190
45°	907	718
55°	525	476
65°	307	305
75°	126	136
85°	12	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4749.7
2.5°	4725.5
5°	4626.3
7.5°	4512.6
10°	4360.2
12.5°	4178.7
15°	3992.4
17.5°	3810.9
20°	3624.6
22.5°	3438.3
25°	3222.9
27.5°	2959.2
30°	2622.9
32.5°	2272.0
35°	1887.3
37.5°	1565.5
40°	1292.1
42.5°	1076.7
45°	907.4
47.5°	774.3
50°	670.2
52.5°	595.2
55°	525.1
57.5°	469.4
60°	411.3
62.5°	358.1
65°	307.3
67.5°	258.9
70°	210.5
72.5°	167.0
75°	125.8
77.5°	89.5
80°	58.1
82.5°	31.5
85°	12.1
87.5°	2.4
90°	0.0

(END OF REPORT)