

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: P365810

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5099.0 lumens
Efficiency: N/A
Efficacy: 69.5 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

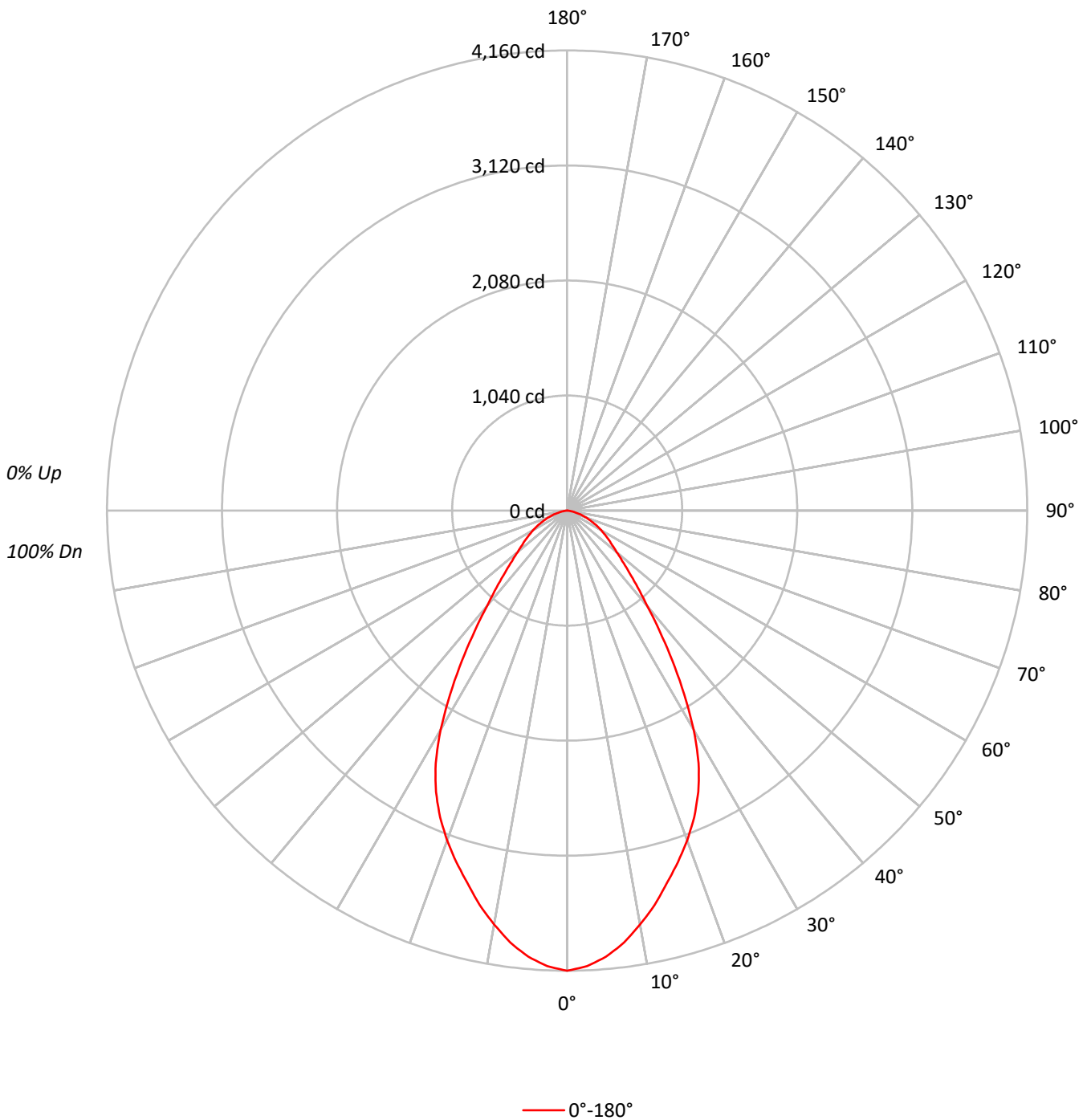
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	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	79	69	62	57	67	61	56	65	60	56	64	59	56	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	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113626
5°	110973
10°	105358
15°	98526
20°	92208
25°	84573
30°	72150
35°	55234
40°	40158
45°	30633
50°	24826
55°	21787
60°	19356
65°	16831
70°	14240
75°	11145
80°	7377
85°	2946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.5	7.4
10°-20°	979.7	19.2
20°-30°	1273.9	25.0
30°-40°	1038.1	20.4
40°-50°	626.8	12.3
50°-60°	411.7	8.1
60°-70°	260.0	5.1
70°-80°	113.7	2.2
80°-90°	16.6	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°	2632.1	51.6
0°-40°	3670.3	72.0
0°-60°	4708.8	92.3
0°-90°	5099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5099.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4160	
5°	4047	379
15°	3484	980
25°	2806	1274
35°	1656	1038
45°	793	627
55°	458	412
65°	260	260
75°	106	114
85°	9	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4159.8
2.5°	4122.3
5°	4047.2
7.5°	3939.3
10°	3798.5
12.5°	3653.0
15°	3484.1
17.5°	3331.6
20°	3172.1
22.5°	3000.8
25°	2806.1
27.5°	2573.8
30°	2287.5
32.5°	1968.5
35°	1656.4
37.5°	1370.2
40°	1126.2
42.5°	943.2
45°	793.0
47.5°	675.7
50°	584.2
52.5°	513.8
55°	457.5
57.5°	403.5
60°	354.3
62.5°	307.4
65°	260.4
67.5°	218.2
70°	178.3
72.5°	140.8
75°	105.6
77.5°	72.7
80°	46.9
82.5°	25.8
85°	9.4
87.5°	2.3
90°	0.0

(END OF REPORT)