

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: P365825

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5510.0 lumens
Efficiency: N/A
Efficacy: 75.1 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

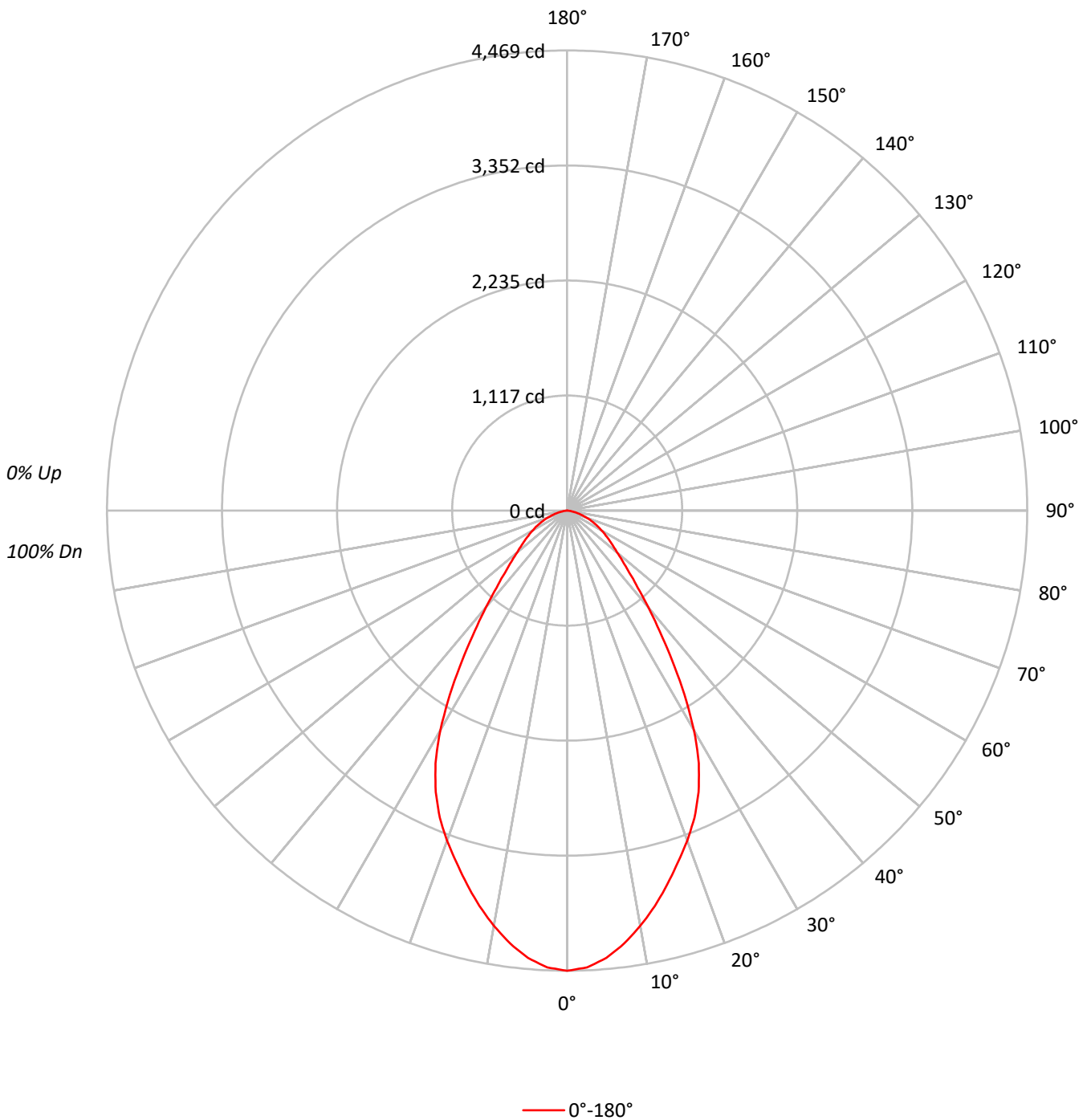
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	122072
5°	119585
10°	113598
15°	106275
20°	99152
25°	90972
30°	77689
35°	59225
40°	43616
45°	33102
50°	26955
55°	23711
60°	21186
65°	18718
70°	15869
75°	12380
80°	8290
85°	3761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.8	7.4
10°-20°	1054.6	19.1
20°-30°	1370.6	24.9
30°-40°	1116.8	20.3
40°-50°	677.9	12.3
50°-60°	448.6	8.1
60°-70°	287.8	5.2
70°-80°	127.0	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°	2833.0	51.4
0°-40°	3949.8	71.7
0°-60°	5076.3	92.1
0°-90°	5510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5510.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4469	
5°	4361	408
15°	3758	1055
25°	3018	1371
35°	1776	1117
45°	857	678
55°	498	449
65°	290	288
75°	117	127
85°	12	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4469.0
2.5°	4440.3
5°	4361.3
7.5°	4241.6
10°	4095.6
12.5°	3932.8
15°	3758.1
17.5°	3578.6
20°	3411.0
22.5°	3229.1
25°	3018.4
27.5°	2769.5
30°	2463.1
32.5°	2118.4
35°	1776.1
37.5°	1472.1
40°	1223.2
42.5°	1014.9
45°	856.9
47.5°	732.5
50°	634.3
52.5°	560.1
55°	497.9
57.5°	440.4
60°	387.8
62.5°	337.5
65°	289.6
67.5°	244.2
70°	198.7
72.5°	155.6
75°	117.3
77.5°	83.8
80°	52.7
82.5°	28.7
85°	12.0
87.5°	2.4
90°	0.0

(END OF REPORT)