

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: P365143

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6466.9 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

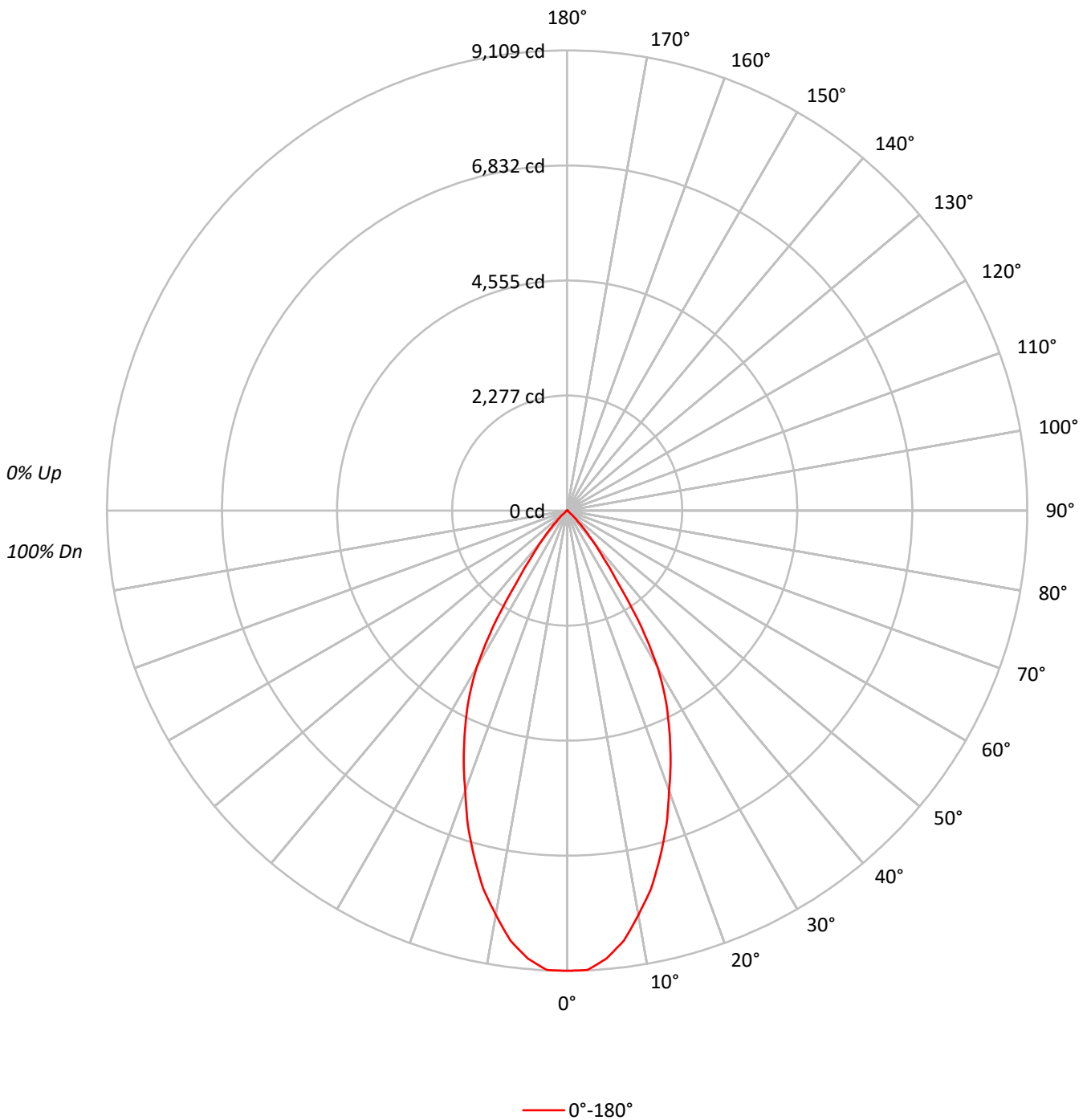
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	248812
5°	244081
10°	225405
15°	200859
20°	171538
25°	144062
30°	113090
35°	58602
40°	27988
45°	11017
50°	2898
55°	814
60°	530
65°	472
70°	391
75°	517
80°	378
85°	752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.4	12.8
10°-20°	1974.0	30.5
20°-30°	2179.5	33.7
30°-40°	1199.3	18.5
40°-50°	253.5	3.9
50°-60°	21.4	0.3
60°-70°	6.6	0.1
70°-80°	4.8	0.1
80°-90°	2.3	0.0
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°	4979.0	77.0
0°-40°	6178.3	95.5
0°-60°	6453.2	99.8
0°-90°	6466.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6466.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9109	
5°	8902	825
15°	7103	1974
25°	4780	2180
35°	1757	1199
45°	285	253
55°	17	21
65°	7	7
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9108.9
2.5°	9104.0
5°	8901.7
7.5°	8589.7
10°	8126.6
12.5°	7665.9
15°	7102.8
17.5°	6530.0
20°	5901.2
22.5°	5350.3
25°	4779.9
27.5°	4229.0
30°	3585.5
32.5°	2737.3
35°	1757.4
37.5°	1184.6
40°	784.9
42.5°	489.9
45°	285.2
47.5°	146.2
50°	68.2
52.5°	29.2
55°	17.1
57.5°	12.2
60°	9.7
62.5°	7.3
65°	7.3
67.5°	4.9
70°	4.9
72.5°	7.3
75°	4.9
77.5°	2.4
80°	2.4
82.5°	2.4
85°	2.4
87.5°	2.4
90°	0.0

(END OF REPORT)