

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: P365140

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-10)
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-LI
Description: VANDAL RESISTANT OPEN, SPECULAR CLEAR REFLECTOR, 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7090.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

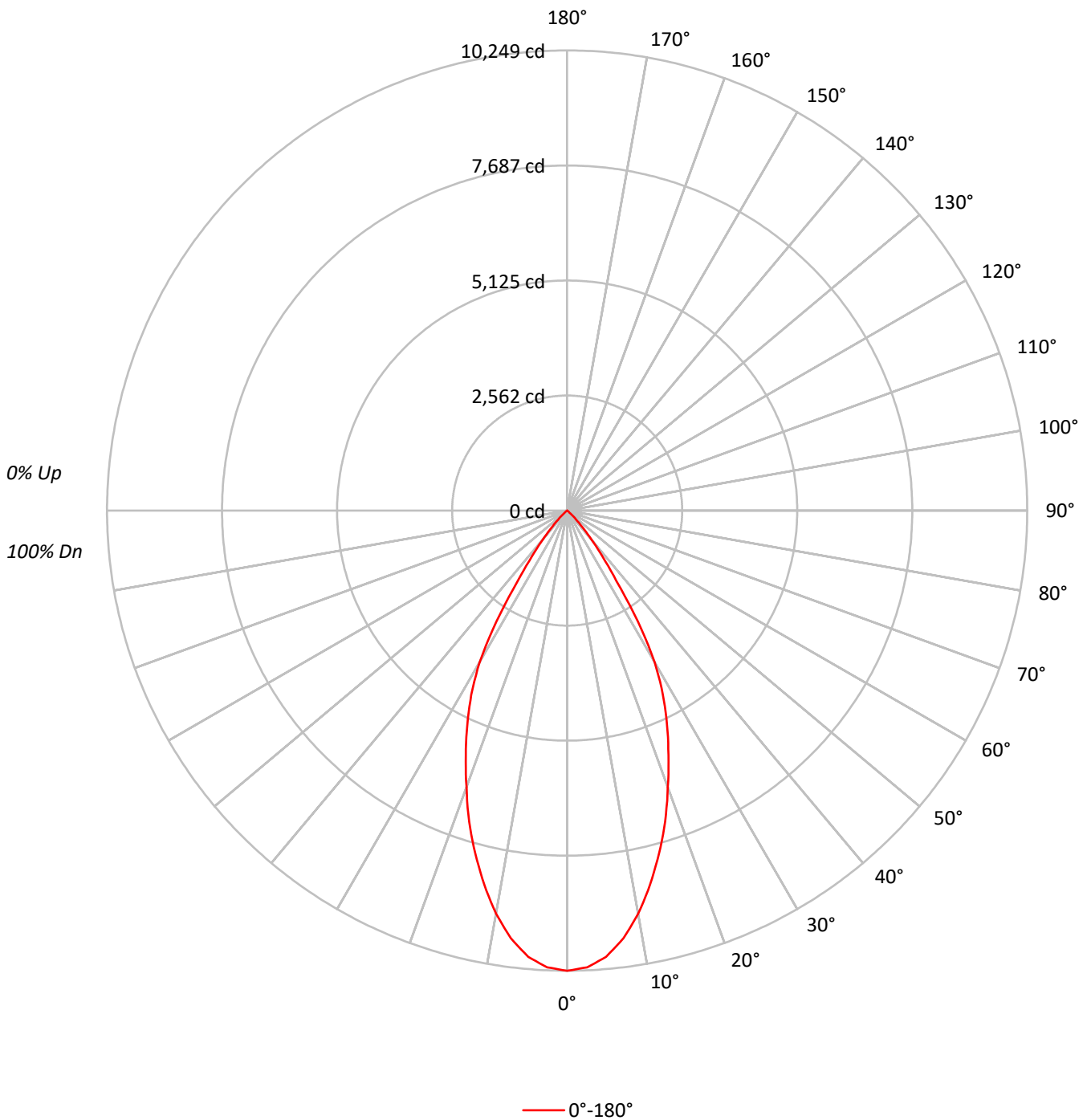
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	85	80	76	84	79	76	82	78	75	81	77	75	73
6	90	81	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67	74	70	66	73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	279962
5°	273535
10°	252881
15°	223621
20°	190627
25°	158571
30°	122991
35°	63884
40°	29671
45°	11214
50°	2469
55°	348
60°	131
65°	155
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	924.4	13.0
10°-20°	2198.2	31.0
20°-30°	2395.8	33.8
30°-40°	1295.4	18.3
40°-50°	261.7	3.7
50°-60°	12.4	0.2
60°-70°	2.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	5518.4	77.8
0°-40°	6813.8	96.1
0°-60°	7087.9	100.0
0°-90°	7090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7090.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10249	
5°	9976	924
15°	7908	2198
25°	5261	2396
35°	1916	1295
45°	290	262
55°	7	12
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10249.3
2.5°	10181.5
5°	9975.9
7.5°	9605.8
10°	9117.2
12.5°	8534.2
15°	7907.7
17.5°	7259.4
20°	6557.9
22.5°	5897.5
25°	5261.3
27.5°	4622.7
30°	3899.4
32.5°	2934.2
35°	1915.8
37.5°	1279.6
40°	832.1
42.5°	512.8
45°	290.3
47.5°	145.1
50°	58.1
52.5°	14.5
55°	7.3
57.5°	4.8
60°	2.4
62.5°	2.4
65°	2.4
67.5°	2.4
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)