

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: P366541

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-WMH-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5045.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

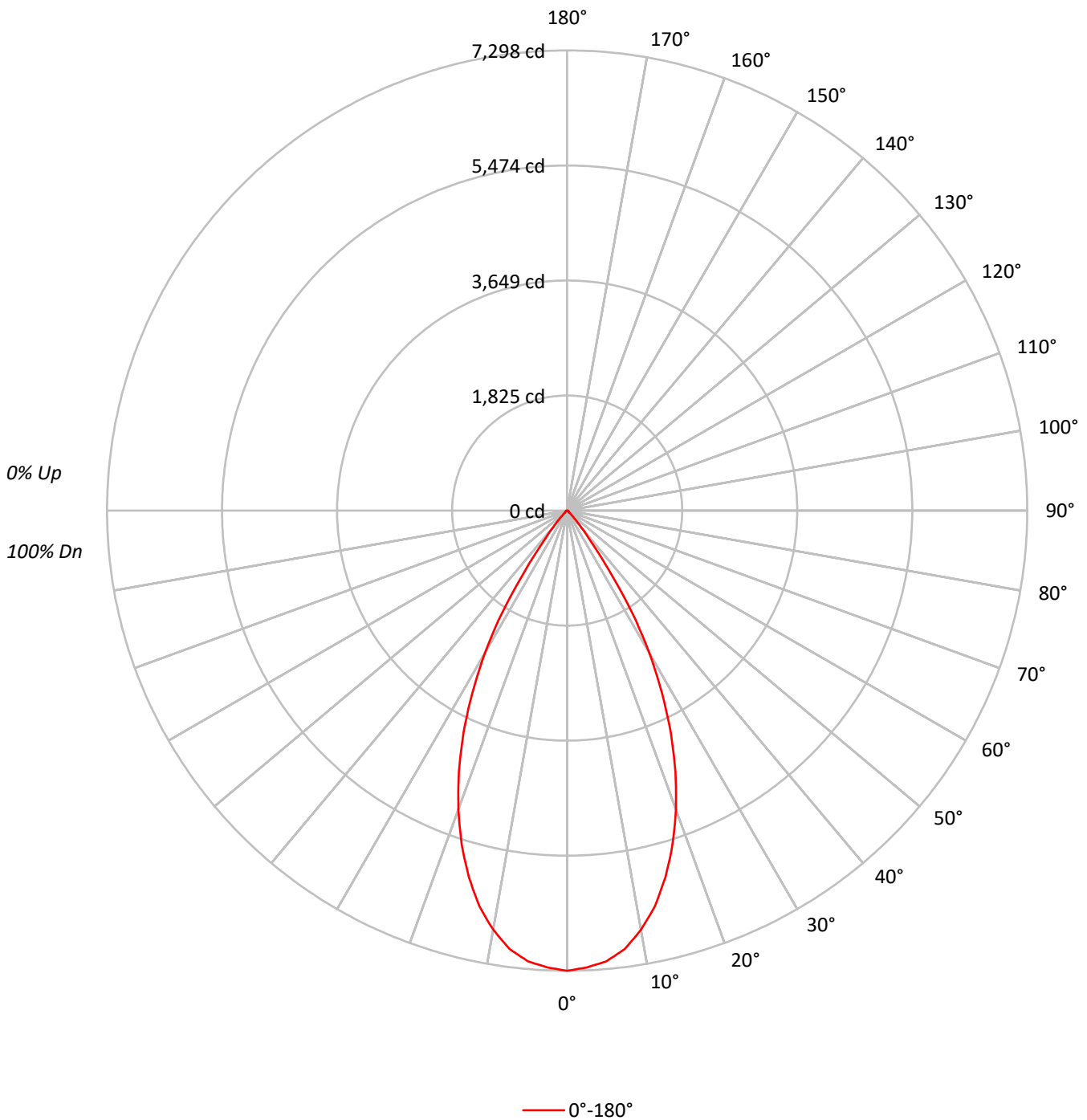
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	522579
5°	515526
10°	490717
15°	446100
20°	384140
25°	307072
30°	215312
35°	100163
40°	31649
45°	9893
50°	4355
55°	4070
60°	3723
65°	3304
70°	3643
75°	4205
80°	5360
85°	8955



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.4	13.3
10°-20°	1668.7	33.1
20°-30°	1754.3	34.8
30°-40°	778.3	15.4
40°-50°	97.4	1.9
50°-60°	29.1	0.6
60°-70°	20.4	0.4
70°-80°	16.1	0.3
80°-90°	9.5	0.2
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°	4094.3	81.2
0°-40°	4872.6	96.6
0°-60°	4999.1	99.1
0°-90°	5045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5045.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7298	
5°	7172	671
15°	6018	1669
25°	3887	1754
35°	1146	778
45°	98	97
55°	33	29
65°	20	20
75°	15	16
85°	11	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7298.4
2.5°	7250.7
5°	7172.5
7.5°	7011.9
10°	6749.3
12.5°	6428.1
15°	6018.0
17.5°	5555.7
20°	5041.4
22.5°	4483.6
25°	3886.8
27.5°	3253.1
30°	2604.2
32.5°	1916.3
35°	1145.9
37.5°	609.8
40°	338.6
42.5°	184.5
45°	97.7
47.5°	47.7
50°	39.1
52.5°	34.7
55°	32.6
57.5°	30.4
60°	26.0
62.5°	23.9
65°	19.5
67.5°	17.4
70°	17.4
72.5°	15.2
75°	15.2
77.5°	15.2
80°	13.0
82.5°	10.9
85°	10.9
87.5°	6.5
90°	0.0

(END OF REPORT)