

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: P366554

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5141.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

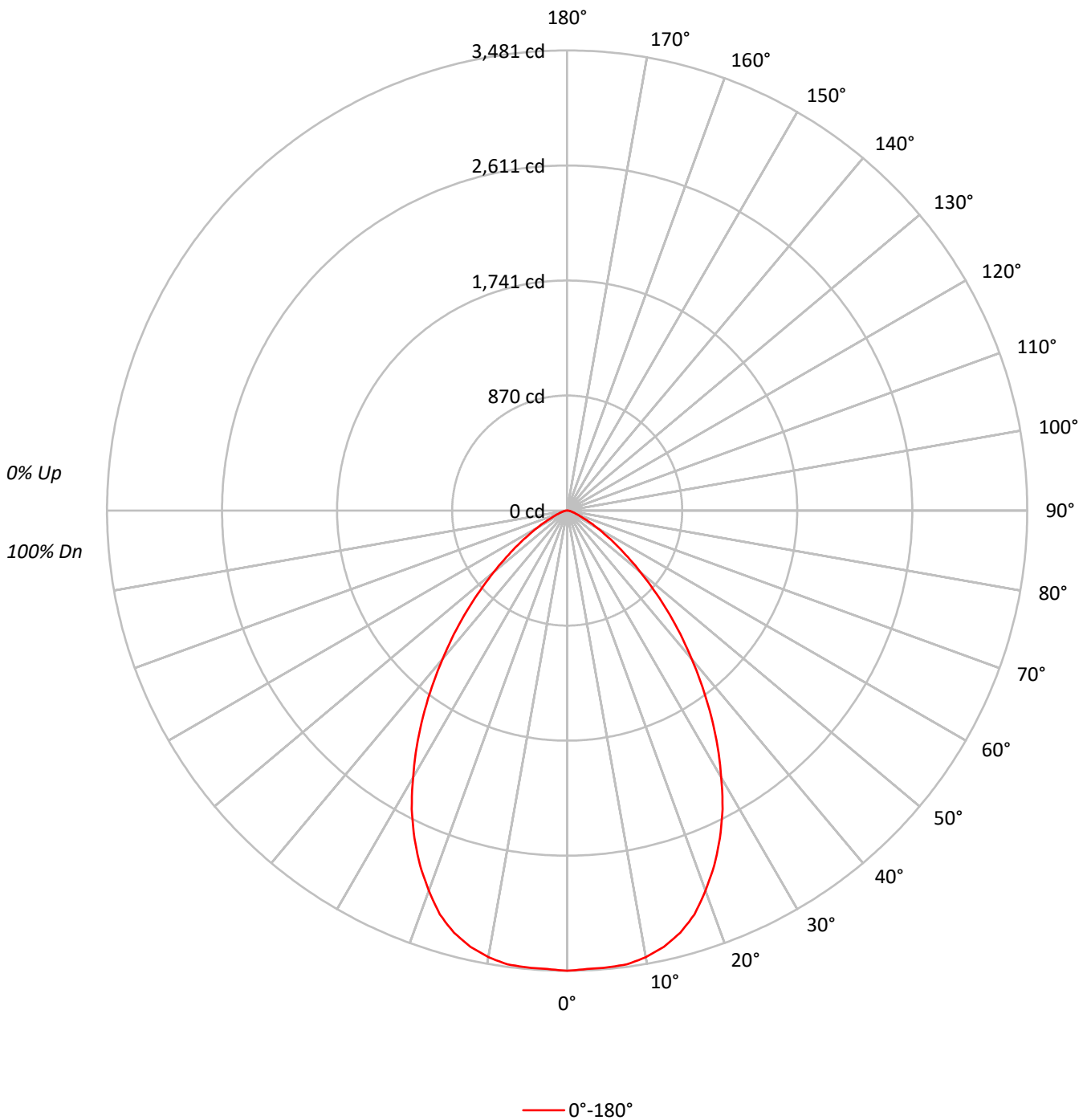
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	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	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	249239
5°	249328
10°	249427
15°	245074
20°	233125
25°	215989
30°	192782
35°	165939
40°	136942
45°	108359
50°	80537
55°	56787
60°	37706
65°	23126
70°	15031
75°	11260
80°	9855
85°	11830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.1	6.4
10°-20°	925.6	18.0
20°-30°	1249.5	24.3
30°-40°	1182.3	23.0
40°-50°	828.7	16.1
50°-60°	417.0	8.1
60°-70°	147.3	2.9
70°-80°	46.0	0.9
80°-90°	14.4	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°	2505.2	48.7
0°-40°	3687.5	71.7
0°-60°	4933.3	96.0
0°-90°	5141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5141.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3481	
5°	3469	330
15°	3306	926
25°	2734	1250
35°	1898	1182
45°	1070	829
55°	455	417
65°	136	147
75°	41	46
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3480.9
2.5°	3471.3
5°	3468.9
7.5°	3461.7
10°	3430.6
12.5°	3380.3
15°	3306.1
17.5°	3203.2
20°	3059.5
22.5°	2906.3
25°	2733.9
27.5°	2547.2
30°	2331.7
32.5°	2118.7
35°	1898.4
37.5°	1680.6
40°	1465.1
42.5°	1266.4
45°	1070.1
47.5°	890.6
50°	723.0
52.5°	579.3
55°	454.9
57.5°	349.5
60°	263.3
62.5°	193.9
65°	136.5
67.5°	100.5
70°	71.8
72.5°	55.1
75°	40.7
77.5°	31.1
80°	23.9
82.5°	19.2
85°	14.4
87.5°	7.2
90°	0.0

(END OF REPORT)