

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: P365114

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
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-LI-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5228.0 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

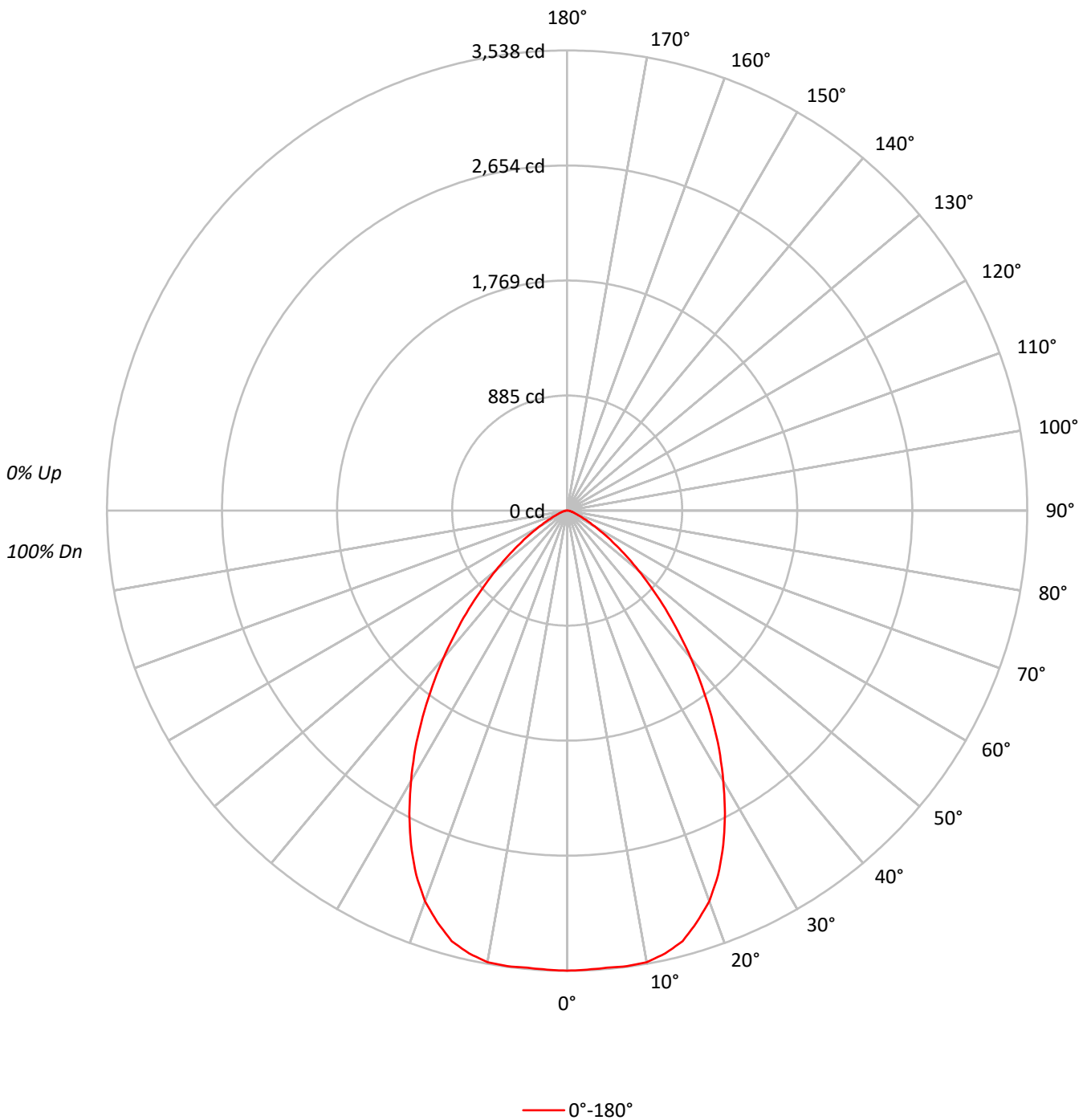
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	102	100	98	99	97	95	95	94	93	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	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	253292
5°	253569
10°	256327
15°	254065
20°	243465
25°	224260
30°	198478
35°	169251
40°	138251
45°	108095
50°	79713
55°	55277
60°	35300
65°	21500
70°	14529
75°	11260
80°	9855
85°	13802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.0	6.4
10°-20°	958.4	18.3
20°-30°	1296.4	24.8
30°-40°	1205.9	23.1
40°-50°	826.3	15.8
50°-60°	407.2	7.8
60°-70°	136.1	2.6
70°-80°	45.1	0.9
80°-90°	15.6	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°	2591.8	49.6
0°-40°	3797.7	72.6
0°-60°	5031.1	96.2
0°-90°	5228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5228.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3538	
5°	3528	337
15°	3427	958
25°	2839	1296
35°	1936	1206
45°	1068	826
55°	443	407
65°	127	136
75°	41	45
85°	17	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3537.5
2.5°	3532.7
5°	3527.9
7.5°	3532.7
10°	3525.5
12.5°	3487.2
15°	3427.4
17.5°	3317.3
20°	3195.2
22.5°	3032.5
25°	2838.6
27.5°	2628.0
30°	2400.6
32.5°	2173.2
35°	1936.3
37.5°	1701.7
40°	1479.1
42.5°	1263.7
45°	1067.5
47.5°	880.8
50°	715.6
52.5°	572.0
55°	442.8
57.5°	337.5
60°	246.5
62.5°	177.1
65°	126.9
67.5°	91.0
70°	69.4
72.5°	52.7
75°	40.7
77.5°	31.1
80°	23.9
82.5°	19.1
85°	16.8
87.5°	9.6
90°	0.0

(END OF REPORT)