

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: P365801

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3836.0 lumens
Efficiency: N/A
Efficacy: 52.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

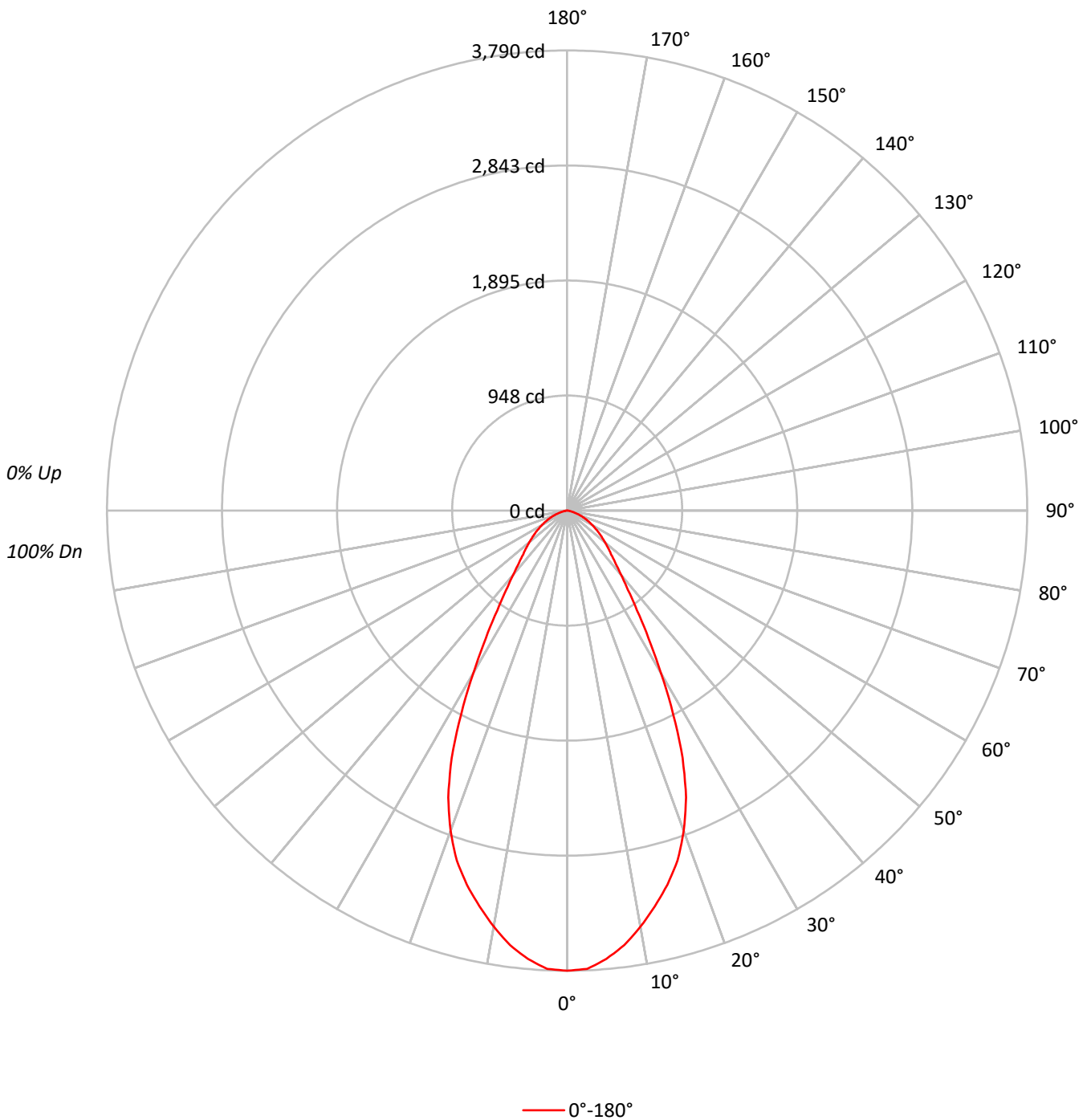
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271335
5°	266406
10°	252997
15°	236475
20°	214000
25°	177719
30°	127515
35°	87523
40°	64419
45°	52058
50°	45259
55°	39797
60°	34398
65°	29293
70°	23028
75°	16156
80°	10185
85°	11091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	9.0
10°-20°	890.1	23.2
20°-30°	1009.7	26.3
30°-40°	647.1	16.9
40°-50°	405.6	10.6
50°-60°	286.1	7.5
60°-70°	171.9	4.5
70°-80°	65.6	1.7
80°-90°	13.1	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°	2246.5	58.6
0°-40°	2893.7	75.4
0°-60°	3585.4	93.5
0°-90°	3836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3836.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3790	
5°	3706	347
15°	3190	890
25°	2250	1010
35°	1001	647
45°	514	406
55°	319	286
65°	173	172
75°	58	66
85°	14	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3789.5
2.5°	3778.3
5°	3706.5
7.5°	3609.9
10°	3479.7
12.5°	3338.3
15°	3190.1
17.5°	3021.7
20°	2808.5
22.5°	2559.3
25°	2249.5
27.5°	1892.5
30°	1542.3
32.5°	1246.0
35°	1001.3
37.5°	823.9
40°	689.2
42.5°	590.4
45°	514.1
47.5°	458.0
50°	406.3
52.5°	361.4
55°	318.8
57.5°	278.4
60°	240.2
62.5°	206.5
65°	172.9
67.5°	141.4
70°	110.0
72.5°	83.1
75°	58.4
77.5°	40.4
80°	24.7
82.5°	15.7
85°	13.5
87.5°	6.7
90°	0.0

(END OF REPORT)