

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: P365859

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
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-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4303.0 lumens
Efficiency: N/A
Efficacy: 58.6 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

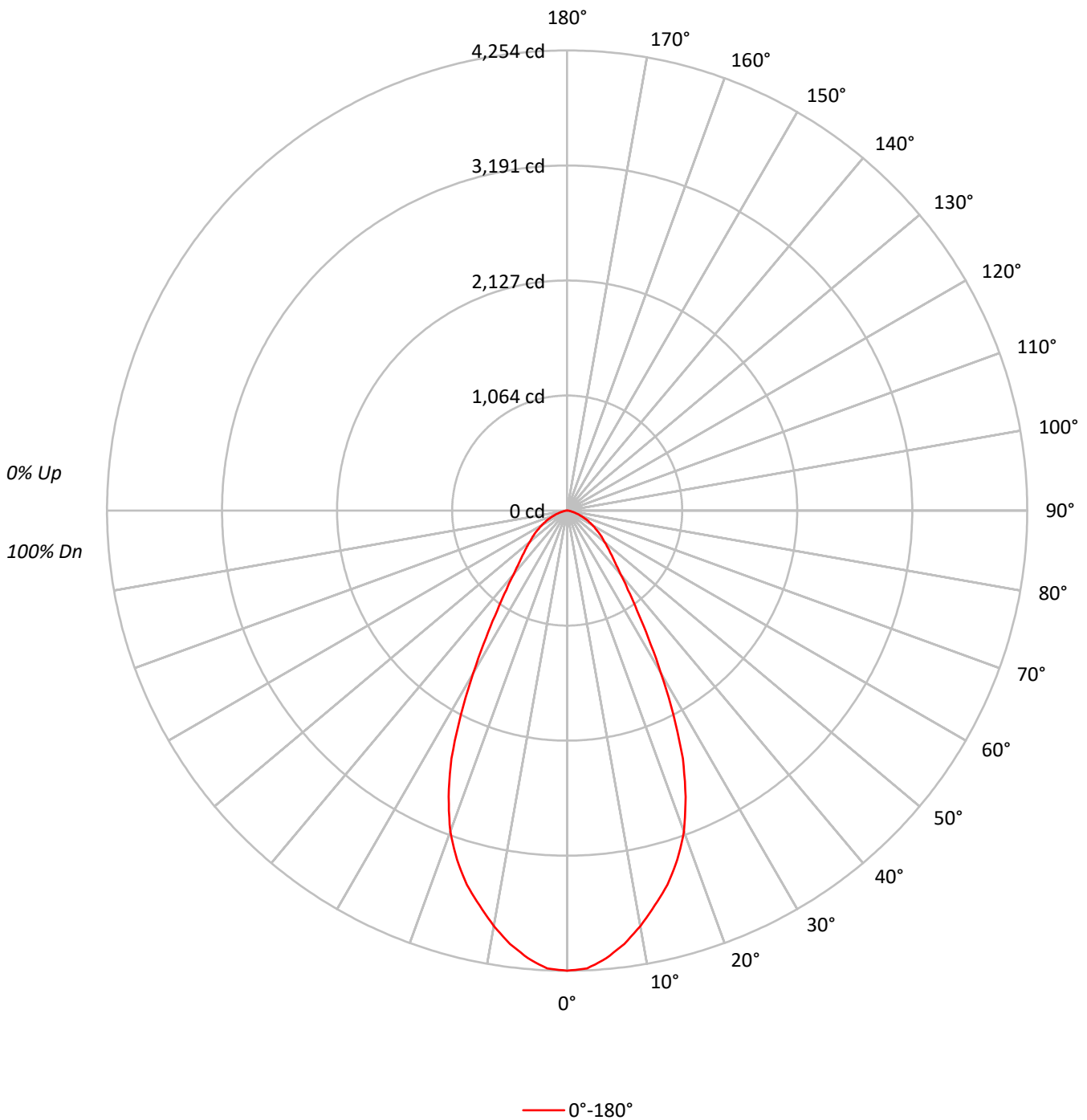
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	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	85	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°	304566
5°	298606
10°	283599
15°	265481
20°	240646
25°	199832
30°	143357
35°	98292
40°	72102
45°	58528
50°	50372
55°	44678
60°	38780
65°	32784
70°	25813
75°	18729
80°	11958
85°	13884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.5	9.0
10°-20°	998.3	23.2
20°-30°	1133.5	26.3
30°-40°	725.5	16.9
40°-50°	453.2	10.5
50°-60°	320.9	7.5
60°-70°	192.0	4.5
70°-80°	74.8	1.7
80°-90°	16.4	0.4
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°	2520.2	58.6
0°-40°	3245.7	75.4
0°-60°	4019.8	93.4
0°-90°	4303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4303.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4254	
5°	4154	388
15°	3581	998
25°	2529	1133
35°	1124	725
45°	578	453
55°	358	321
65°	194	192
75°	68	75
85°	17	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4253.6
2.5°	4236.7
5°	4154.5
7.5°	4040.8
10°	3900.6
12.5°	3738.5
15°	3581.4
17.5°	3385.5
20°	3158.2
22.5°	2863.2
25°	2529.4
27.5°	2125.6
30°	1733.9
32.5°	1392.9
35°	1124.5
37.5°	923.8
40°	771.4
42.5°	657.8
45°	578.0
47.5°	510.2
50°	452.2
52.5°	406.3
55°	357.9
57.5°	311.9
60°	270.8
62.5°	229.7
65°	193.5
67.5°	157.2
70°	123.3
72.5°	94.3
75°	67.7
77.5°	45.9
80°	29.0
82.5°	19.3
85°	16.9
87.5°	9.7
90°	0.0

(END OF REPORT)