

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: P365876

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4643.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

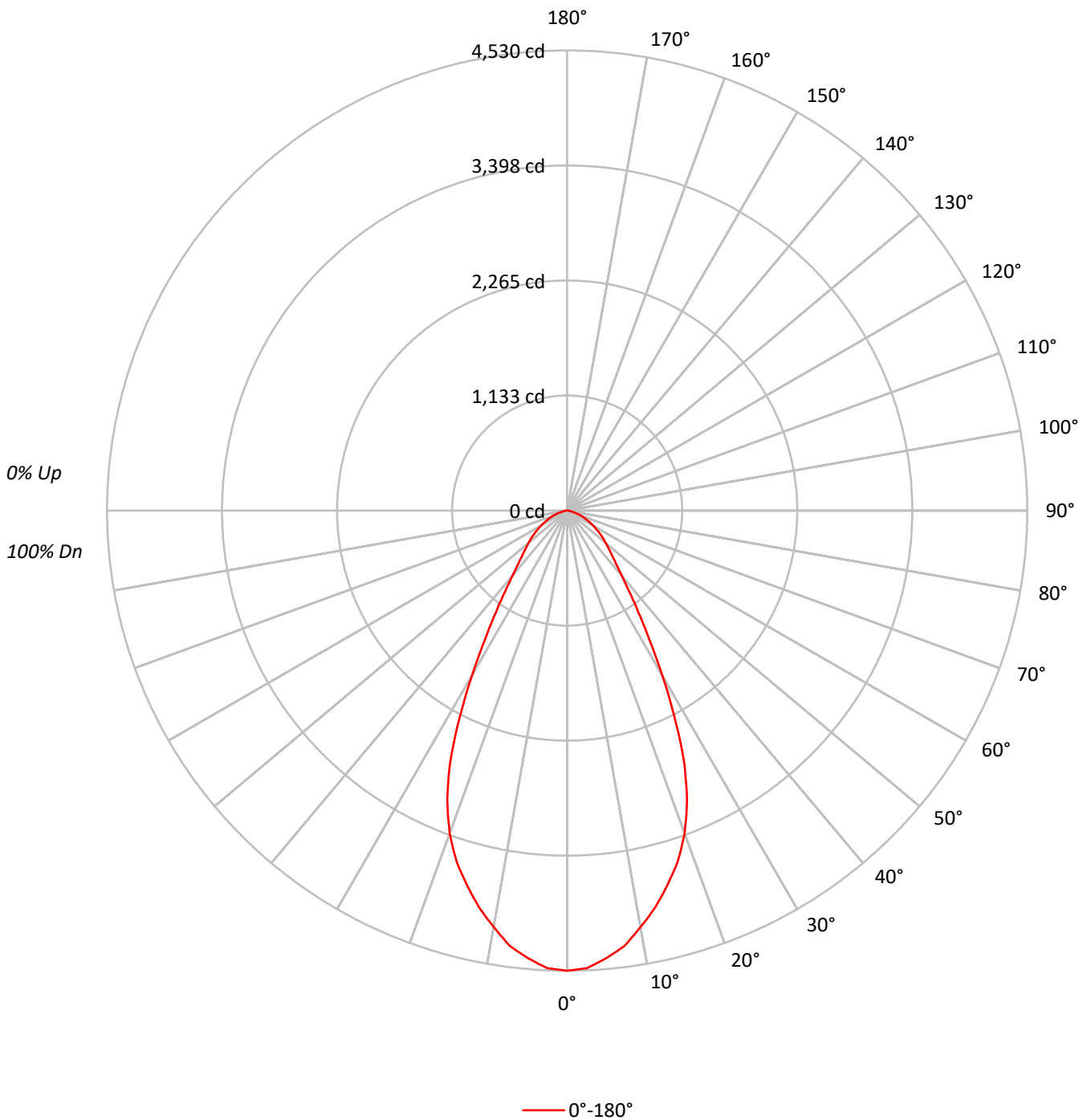
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	324378
5°	317962
10°	302728
15°	282753
20°	257622
25°	215057
30°	154617
35°	106736
40°	78019
45°	63207
50°	55184
55°	48860
60°	42560
65°	36087
70°	29037
75°	20555
80°	14308
85°	16266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.5	8.9
10°-20°	1066.7	23.0
20°-30°	1219.3	26.3
30°-40°	784.5	16.9
40°-50°	491.7	10.6
50°-60°	351.1	7.6
60°-70°	212.9	4.6
70°-80°	83.4	1.8
80°-90°	18.9	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°	2700.6	58.2
0°-40°	3485.1	75.1
0°-60°	4327.8	93.2
0°-90°	4643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4643.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4530	
5°	4424	415
15°	3814	1067
25°	2722	1219
35°	1221	784
45°	624	492
55°	391	351
65°	213	213
75°	74	83
85°	20	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4530.3
2.5°	4508.0
5°	4423.8
7.5°	4322.2
10°	4163.7
12.5°	4002.7
15°	3814.4
17.5°	3621.2
20°	3381.0
22.5°	3083.8
25°	2722.1
27.5°	2286.2
30°	1870.1
32.5°	1503.5
35°	1221.1
37.5°	998.2
40°	834.7
42.5°	713.4
45°	624.2
47.5°	554.8
50°	495.4
52.5°	443.4
55°	391.4
57.5°	341.8
60°	297.2
62.5°	255.1
65°	213.0
67.5°	175.9
70°	138.7
72.5°	104.0
75°	74.3
77.5°	52.0
80°	34.7
82.5°	22.3
85°	19.8
87.5°	9.9
90°	0.0

(END OF REPORT)