

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: P365715

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365715
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: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3400.0 lumens
Efficiency: N/A
Efficacy: 58.5 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

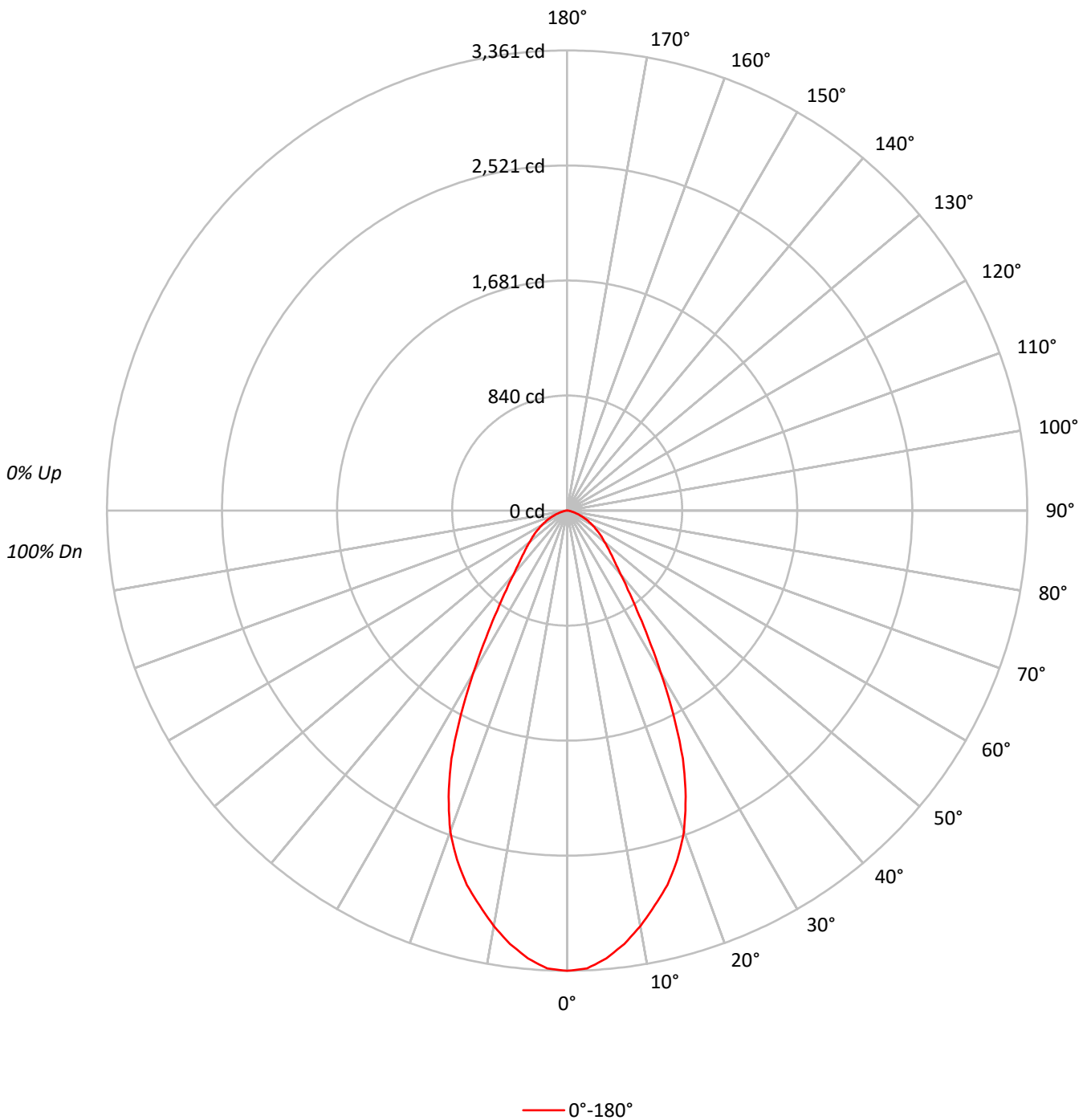
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	240654
5°	235938
10°	224081
15°	209767
20°	190142
25°	157897
30°	113270
35°	77664
40°	56970
45°	46246
50°	39801
55°	35303
60°	30646
65°	25905
70°	20391
75°	14801
80°	9443
85°	11009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.0	9.0
10°-20°	788.8	23.2
20°-30°	895.6	26.3
30°-40°	573.2	16.9
40°-50°	358.1	10.5
50°-60°	253.5	7.5
60°-70°	151.7	4.5
70°-80°	59.1	1.7
80°-90°	13.0	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°	1991.3	58.6
0°-40°	2564.6	75.4
0°-60°	3176.2	93.4
0°-90°	3400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3400.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3361	
5°	3283	307
15°	2830	789
25°	1999	896
35°	888	573
45°	457	358
55°	283	254
65°	153	152
75°	54	59
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3361.0
2.5°	3347.6
5°	3282.6
7.5°	3192.8
10°	3082.0
12.5°	2954.0
15°	2829.8
17.5°	2675.0
20°	2495.4
22.5°	2262.3
25°	1998.6
27.5°	1679.5
30°	1370.0
32.5°	1100.6
35°	888.5
37.5°	729.9
40°	609.5
42.5°	519.7
45°	456.7
47.5°	403.2
50°	357.3
52.5°	321.0
55°	282.8
57.5°	246.5
60°	214.0
62.5°	181.5
65°	152.9
67.5°	124.2
70°	97.4
72.5°	74.5
75°	53.5
77.5°	36.3
80°	22.9
82.5°	15.3
85°	13.4
87.5°	7.6
90°	0.0

(END OF REPORT)