

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: P365768

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365768
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: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3859.0 lumens
Efficiency: N/A
Efficacy: 66.4 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

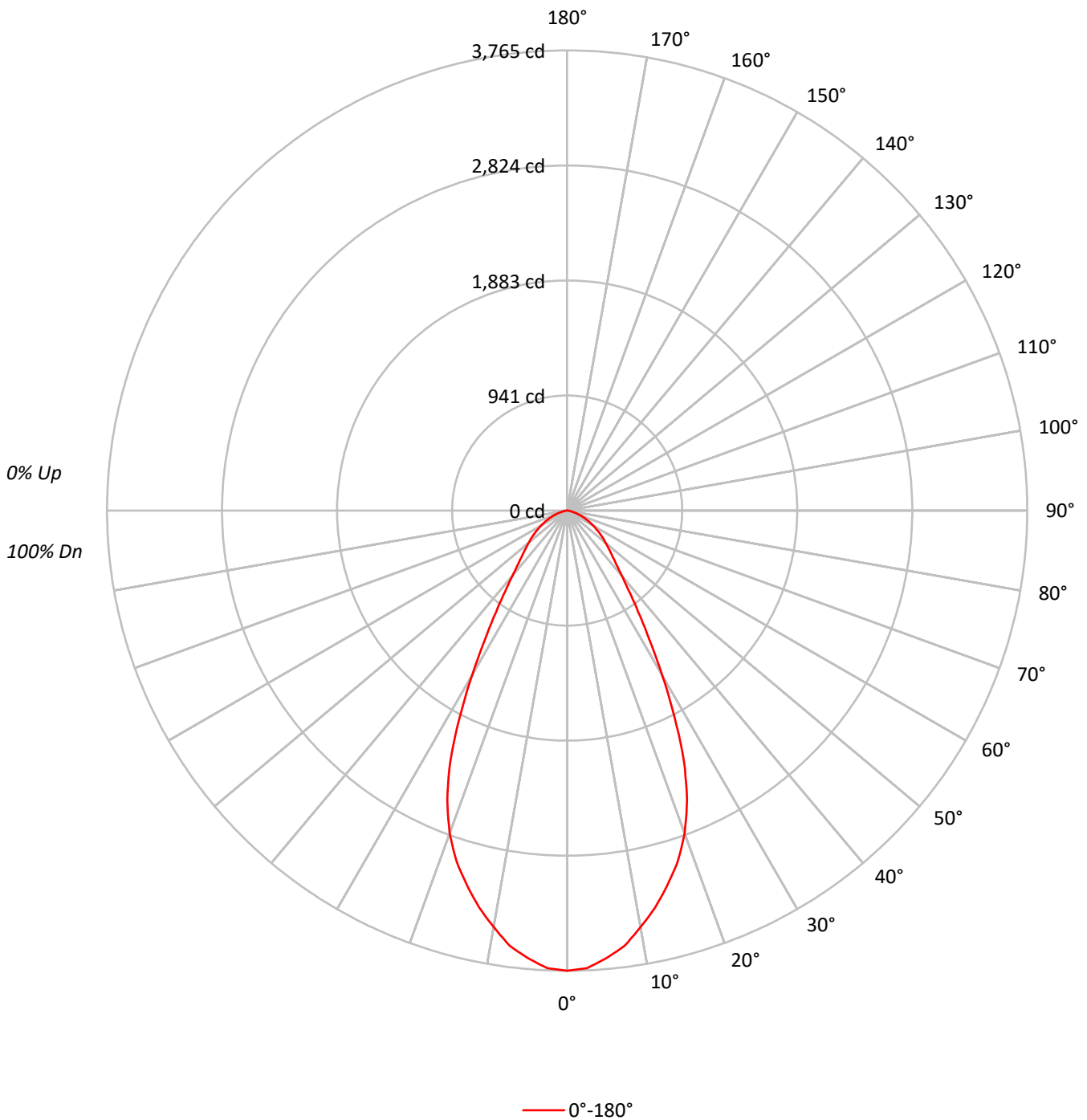
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	269602
5°	264271
10°	251608
15°	235014
20°	214121
25°	178746
30°	128508
35°	88712
40°	64849
45°	52534
50°	45860
55°	40609
60°	35371
65°	29988
70°	24138
75°	17097
80°	11875
85°	13555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	8.9
10°-20°	886.6	23.0
20°-30°	1013.4	26.3
30°-40°	652.0	16.9
40°-50°	408.6	10.6
50°-60°	291.8	7.6
60°-70°	176.9	4.6
70°-80°	69.4	1.8
80°-90°	15.7	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°	2244.6	58.2
0°-40°	2896.6	75.1
0°-60°	3597.0	93.2
0°-90°	3859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3859.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3765	
5°	3677	345
15°	3170	887
25°	2262	1013
35°	1015	652
45°	519	409
55°	325	292
65°	177	177
75°	62	69
85°	16	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3765.3
2.5°	3746.8
5°	3676.8
7.5°	3592.4
10°	3460.6
12.5°	3326.8
15°	3170.4
17.5°	3009.8
20°	2810.1
22.5°	2563.0
25°	2262.5
27.5°	1900.2
30°	1554.3
32.5°	1249.6
35°	1014.9
37.5°	829.6
40°	693.8
42.5°	592.9
45°	518.8
47.5°	461.1
50°	411.7
52.5°	368.5
55°	325.3
57.5°	284.1
60°	247.0
62.5°	212.0
65°	177.0
67.5°	146.2
70°	115.3
72.5°	86.5
75°	61.8
77.5°	43.2
80°	28.8
82.5°	18.5
85°	16.5
87.5°	8.2
90°	0.0

(END OF REPORT)