

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: P365727

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3550.0 lumens
Efficiency: N/A
Efficacy: 61.1 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

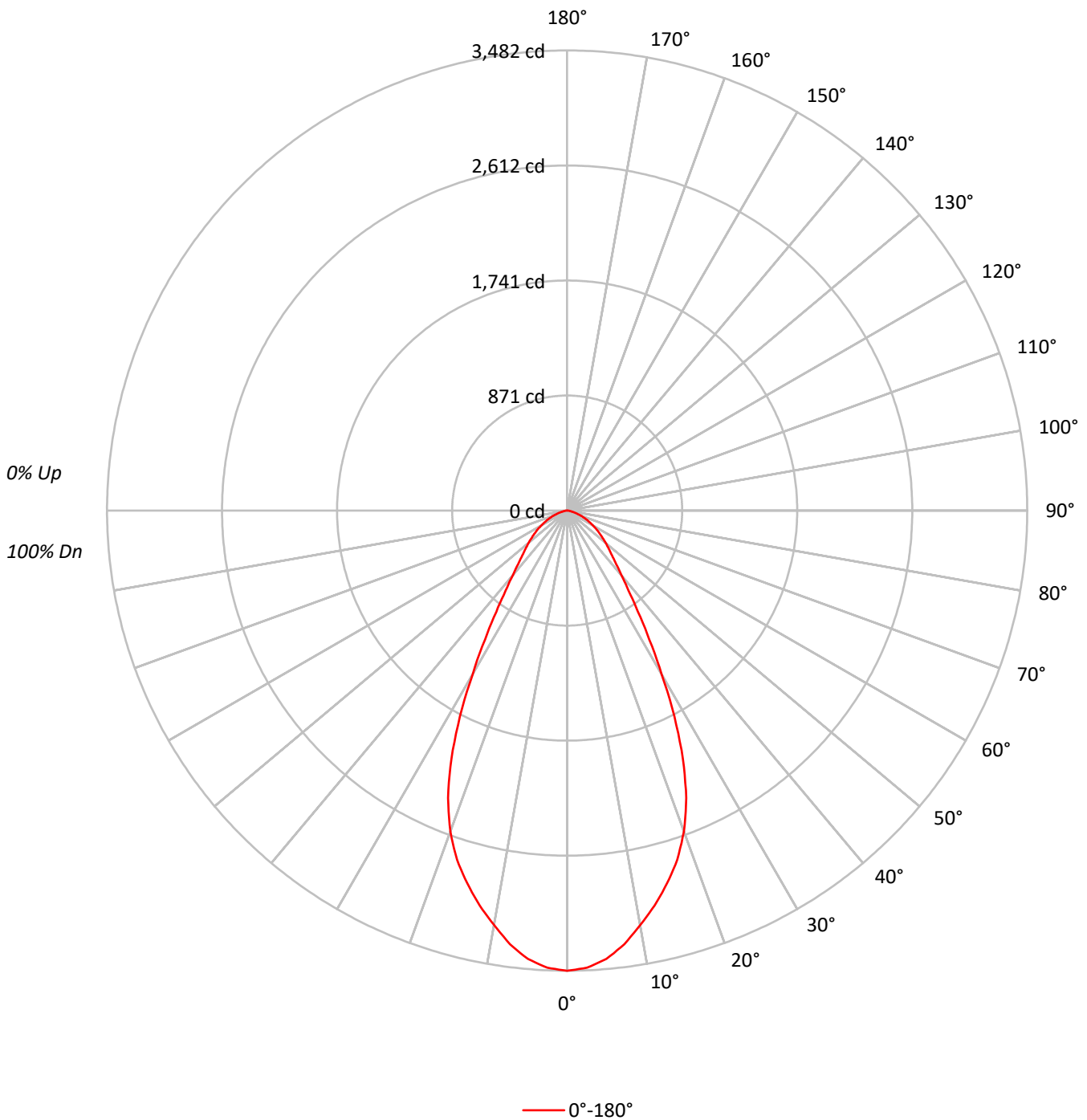
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	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	55	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	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°	249339
5°	244836
10°	231541
15°	216520
20°	196832
25°	163838
30°	118272
35°	81728
40°	59755
45°	48554
50°	42285
55°	37163
60°	32335
65°	27413
70°	22170
75°	15465
80°	9896
85°	11502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.0	9.0
10°-20°	816.1	23.0
20°-30°	932.1	26.3
30°-40°	601.2	16.9
40°-50°	377.5	10.6
50°-60°	267.8	7.5
60°-70°	161.4	4.5
70°-80°	62.3	1.8
80°-90°	13.6	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°	2066.2	58.2
0°-40°	2667.4	75.1
0°-60°	3312.7	93.3
0°-90°	3550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3550.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3482	
5°	3406	318
15°	2921	816
25°	2074	932
35°	935	601
45°	480	378
55°	298	268
65°	162	161
75°	56	62
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3482.3
2.5°	3462.3
5°	3406.4
7.5°	3310.5
10°	3184.6
12.5°	3060.7
15°	2920.9
17.5°	2771.0
20°	2583.2
22.5°	2355.5
25°	2073.8
27.5°	1756.1
30°	1430.5
32.5°	1156.8
35°	935.0
37.5°	763.2
40°	639.3
42.5°	549.4
45°	479.5
47.5°	425.5
50°	379.6
52.5°	337.6
55°	297.7
57.5°	261.7
60°	225.8
62.5°	193.8
65°	161.8
67.5°	131.9
70°	105.9
72.5°	77.9
75°	55.9
77.5°	38.0
80°	24.0
82.5°	16.0
85°	14.0
87.5°	8.0
90°	0.0

(END OF REPORT)