

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: P366480

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4666.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

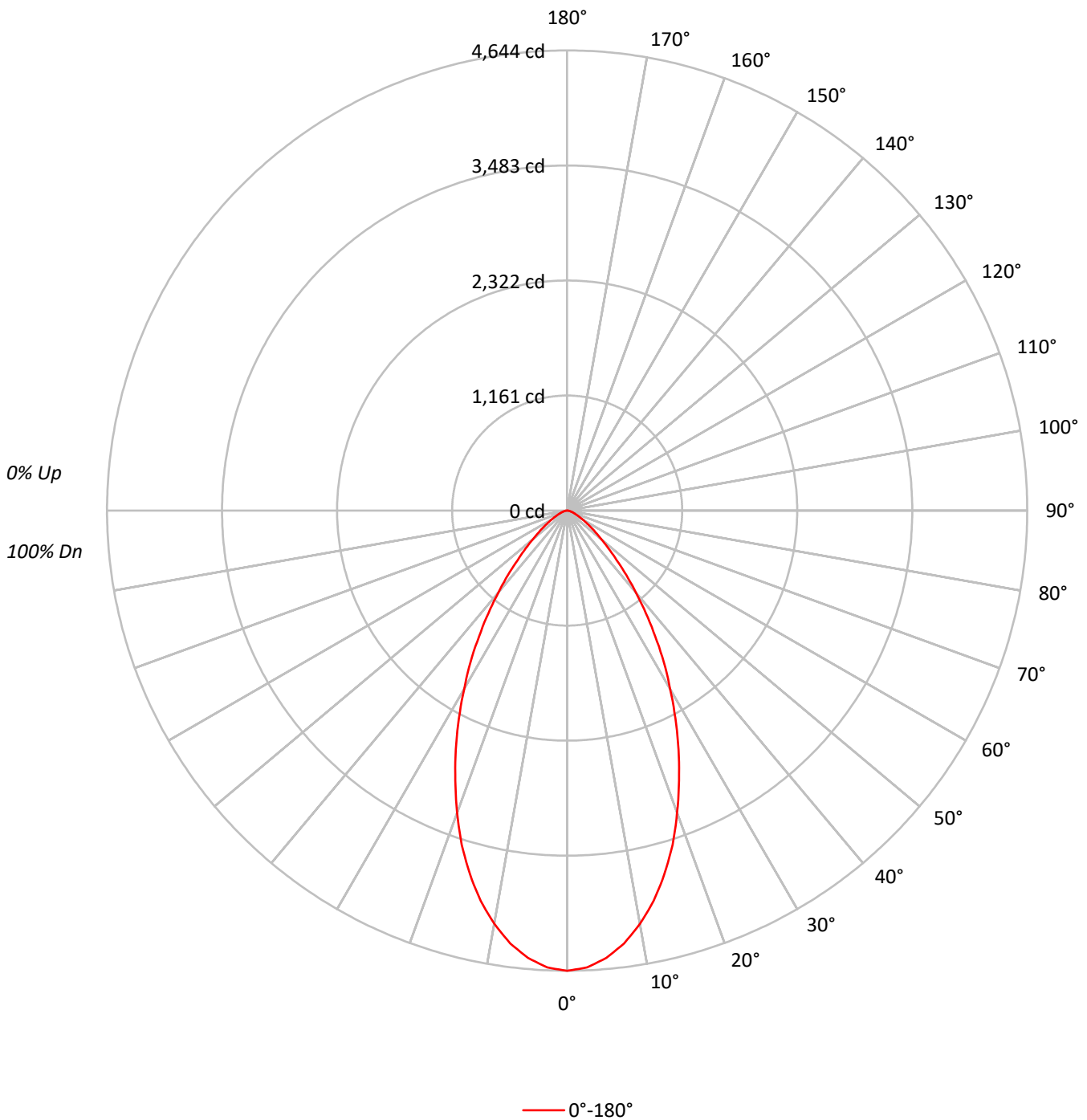
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	332548
5°	325682
10°	307890
15°	281404
20°	247221
25°	210135
30°	171914
35°	135319
40°	100835
45°	71500
50°	50450
55°	36239
60°	25949
65°	18840
70°	14654
75°	11951
80°	10185
85°	10187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.2	9.1
10°-20°	1056.3	22.6
20°-30°	1215.1	26.0
30°-40°	969.6	20.8
40°-50°	558.9	12.0
50°-60°	266.4	5.7
60°-70°	115.3	2.5
70°-80°	47.2	1.0
80°-90°	14.0	0.3
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°	2694.6	57.8
0°-40°	3664.2	78.5
0°-60°	4489.5	96.2
0°-90°	4666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4644	
5°	4531	423
15°	3796	1056
25°	2660	1215
35°	1548	970
45°	706	559
55°	290	266
65°	111	115
75°	43	47
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4644.4
2.5°	4615.6
5°	4531.2
7.5°	4405.6
10°	4234.7
12.5°	4035.0
15°	3796.2
17.5°	3536.8
20°	3244.5
22.5°	2950.1
25°	2659.8
27.5°	2365.4
30°	2079.3
32.5°	1817.8
35°	1548.1
37.5°	1307.3
40°	1078.8
42.5°	883.2
45°	706.1
47.5°	566.1
50°	452.9
52.5°	362.3
55°	290.3
57.5°	228.5
60°	181.2
62.5°	142.0
65°	111.2
67.5°	88.5
70°	70.0
72.5°	55.6
75°	43.2
77.5°	32.9
80°	24.7
82.5°	18.5
85°	12.4
87.5°	8.2
90°	0.0

(END OF REPORT)