

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: P366426

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366426
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-FEU6B67-8027-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: 4330.0 lumens
Efficiency: N/A
Efficacy: 74.5 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

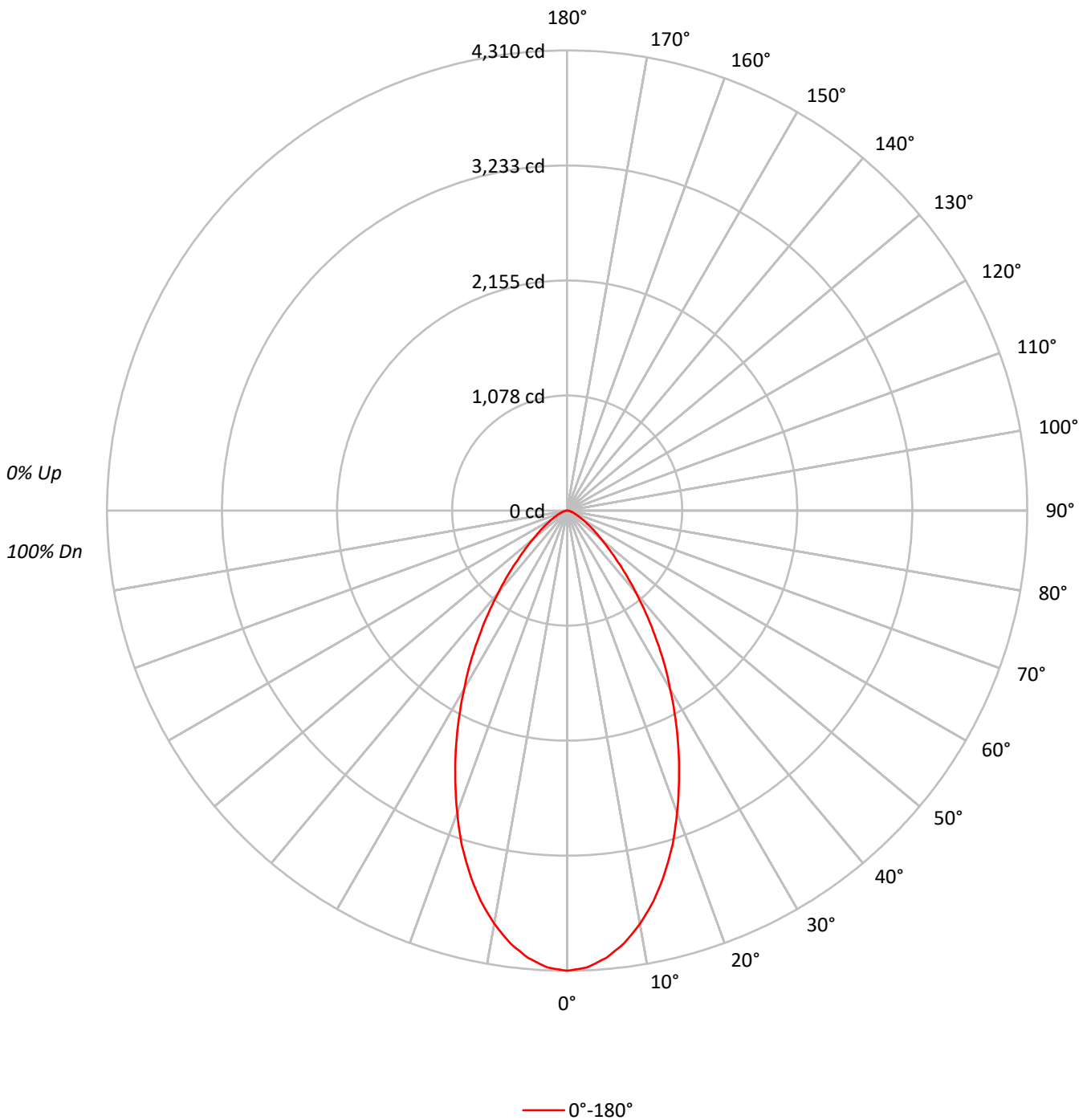
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	308604
5°	302229
10°	285722
15°	261144
20°	229422
25°	195005
30°	159529
35°	125582
40°	93572
45°	66356
50°	46818
55°	33630
60°	24073
65°	17485
70°	13608
75°	11094
80°	9443
85°	9448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.7	9.1
10°-20°	980.2	22.6
20°-30°	1127.6	26.0
30°-40°	899.7	20.8
40°-50°	518.7	12.0
50°-60°	247.2	5.7
60°-70°	107.0	2.5
70°-80°	43.8	1.0
80°-90°	13.0	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°	2500.6	57.7
0°-40°	3400.3	78.5
0°-60°	4166.3	96.2
0°-90°	4330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4330.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4310	
5°	4205	393
15°	3523	980
25°	2468	1128
35°	1437	900
45°	655	519
55°	269	247
65°	103	107
75°	40	44
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4310.0
2.5°	4283.2
5°	4204.9
7.5°	4088.4
10°	3929.8
12.5°	3744.5
15°	3522.9
17.5°	3282.1
20°	3010.9
22.5°	2737.7
25°	2468.3
27.5°	2195.1
30°	1929.5
32.5°	1686.9
35°	1436.7
37.5°	1213.1
40°	1001.1
42.5°	819.6
45°	655.3
47.5°	525.4
50°	420.3
52.5°	336.2
55°	269.4
57.5°	212.1
60°	168.1
62.5°	131.8
65°	103.2
67.5°	82.1
70°	65.0
72.5°	51.6
75°	40.1
77.5°	30.6
80°	22.9
82.5°	17.2
85°	11.5
87.5°	7.6
90°	0.0

(END OF REPORT)