

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: P366433

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4109.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

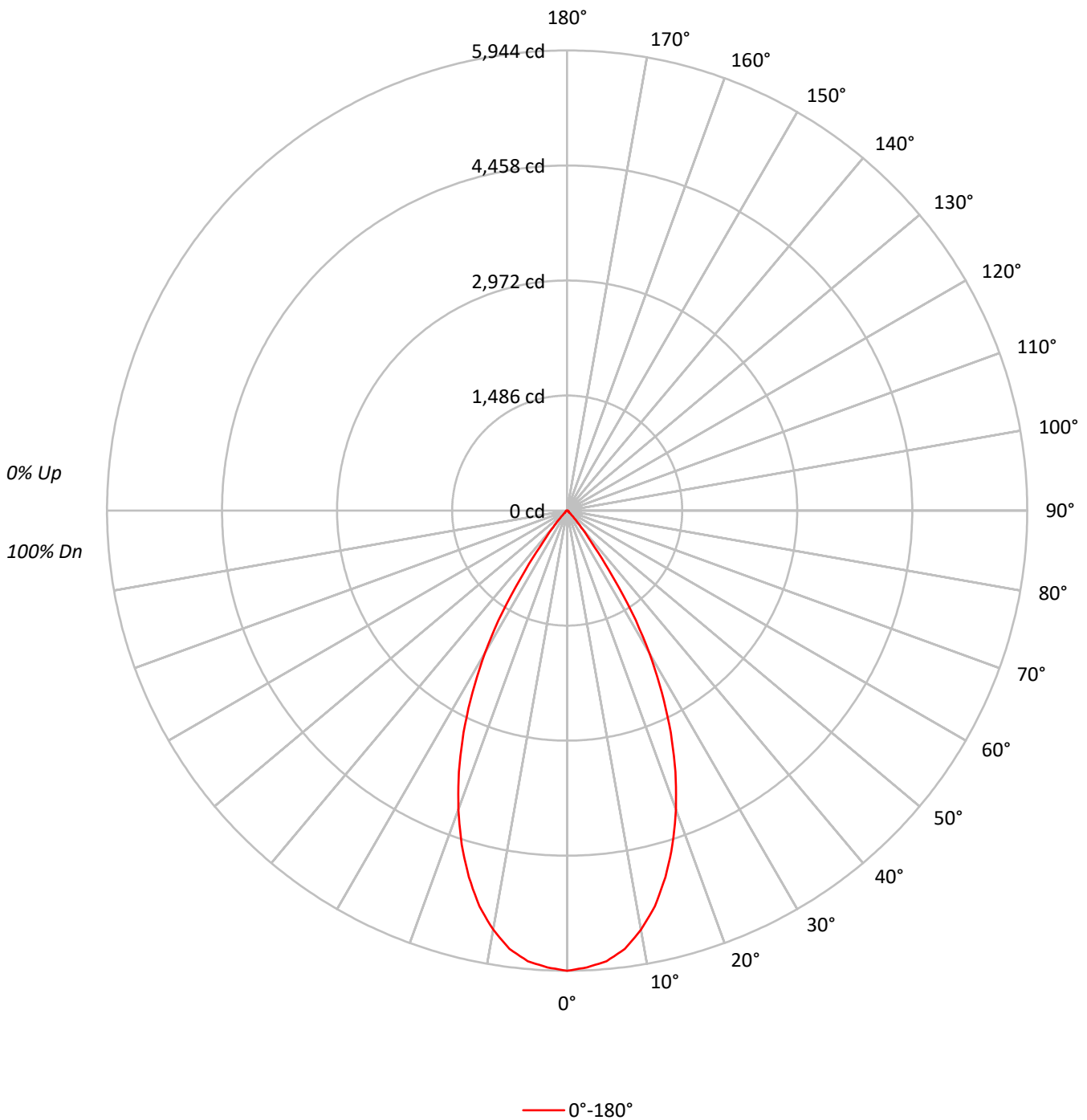
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	425623
5°	419881
10°	399675
15°	363337
20°	312873
25°	250103
30°	175370
35°	81579
40°	25770
45°	8050
50°	3542
55°	3308
60°	3036
65°	2694
70°	2952
75°	3430
80°	4371
85°	7230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.8	13.3
10°-20°	1359.1	33.1
20°-30°	1428.8	34.8
30°-40°	633.9	15.4
40°-50°	79.3	1.9
50°-60°	23.7	0.6
60°-70°	16.6	0.4
70°-80°	13.1	0.3
80°-90°	7.7	0.2
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°	3334.7	81.2
0°-40°	3968.6	96.6
0°-60°	4071.6	99.1
0°-90°	4109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4109.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5944	
5°	5842	547
15°	4902	1359
25°	3166	1429
35°	933	634
45°	80	79
55°	26	24
65°	16	17
75°	12	13
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5944.3
2.5°	5905.4
5°	5841.8
7.5°	5711.0
10°	5497.1
12.5°	5235.5
15°	4901.5
17.5°	4525.0
20°	4106.1
22.5°	3651.8
25°	3165.7
27.5°	2649.6
30°	2121.1
32.5°	1560.8
35°	933.3
37.5°	496.7
40°	275.7
42.5°	150.2
45°	79.5
47.5°	38.9
50°	31.8
52.5°	28.3
55°	26.5
57.5°	24.7
60°	21.2
62.5°	19.4
65°	15.9
67.5°	14.1
70°	14.1
72.5°	12.4
75°	12.4
77.5°	12.4
80°	10.6
82.5°	8.8
85°	8.8
87.5°	5.3
90°	0.0

(END OF REPORT)