

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: P366249

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2933.0 lumens
Efficiency: N/A
Efficacy: 72.2 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

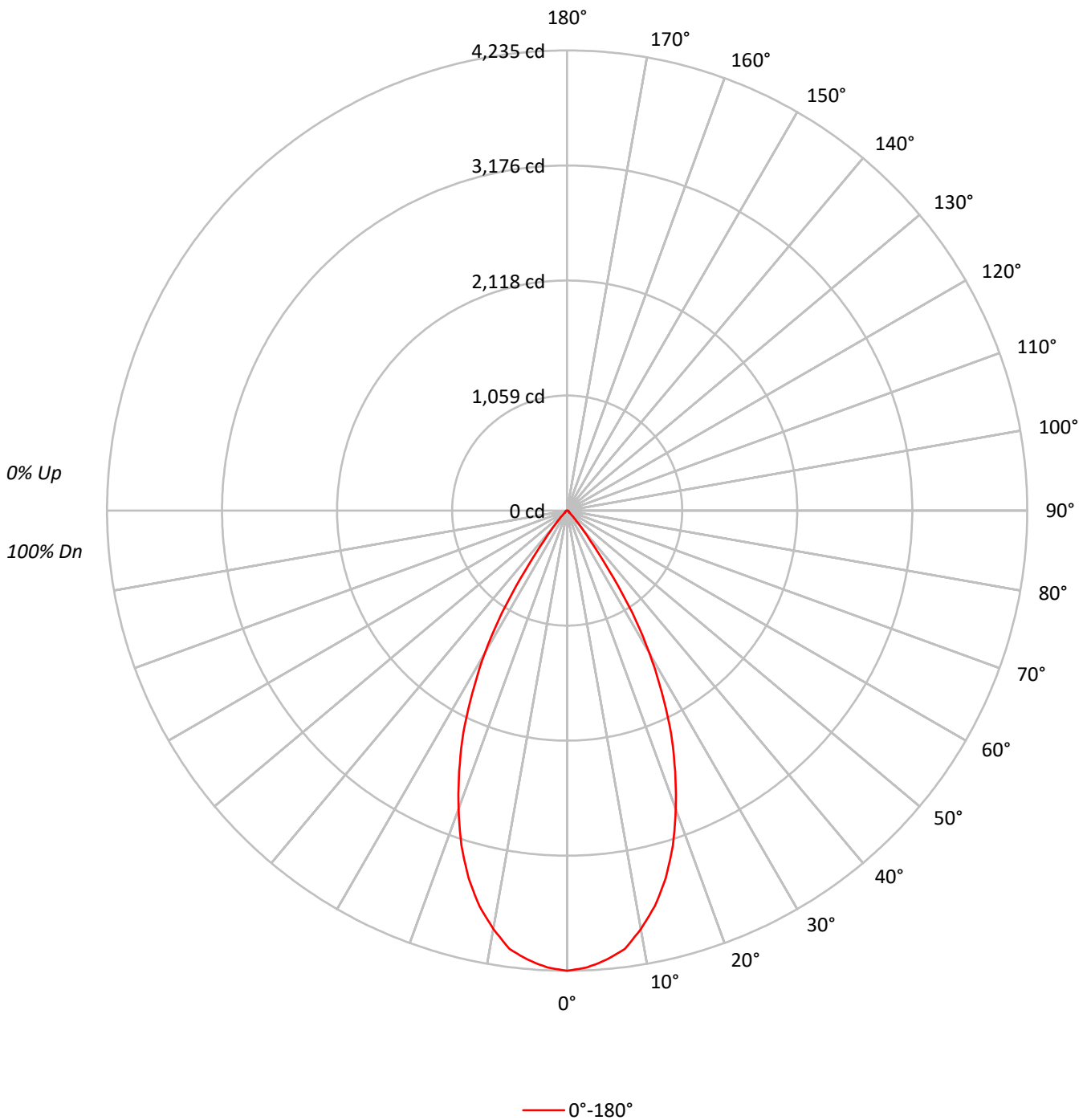
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	84	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	73	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	64	61	78	69	64	61	69	64	60	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°	303241
5°	298247
10°	284180
15°	259677
20°	222694
25°	178683
30°	125283
35°	57883
40°	18582
45°	5995
50°	2785
55°	2459
60°	2449
65°	2236
70°	2198
75°	2545
80°	3257
85°	5422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.2	13.3
10°-20°	969.4	33.1
20°-30°	1018.1	34.7
30°-40°	451.8	15.4
40°-50°	58.4	2.0
50°-60°	18.2	0.6
60°-70°	12.9	0.4
70°-80°	9.4	0.3
80°-90°	5.7	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°	2376.6	81.0
0°-40°	2828.4	96.4
0°-60°	2905.0	99.0
0°-90°	2933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2933.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4235	
5°	4150	389
15°	3503	969
25°	2262	1018
35°	662	452
45°	59	58
55°	20	18
65°	13	13
75°	9	9
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4235.1
2.5°	4208.8
5°	4149.5
7.5°	4069.2
10°	3908.6
12.5°	3728.3
15°	3503.1
17.5°	3233.3
20°	2922.6
22.5°	2596.1
25°	2261.7
27.5°	1886.5
30°	1515.3
32.5°	1113.7
35°	662.2
37.5°	352.8
40°	198.8
42.5°	109.3
45°	59.2
47.5°	30.3
50°	25.0
52.5°	22.4
55°	19.7
57.5°	18.4
60°	17.1
62.5°	14.5
65°	13.2
67.5°	10.5
70°	10.5
72.5°	9.2
75°	9.2
77.5°	7.9
80°	7.9
82.5°	6.6
85°	6.6
87.5°	3.9
90°	0.0

(END OF REPORT)