

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: P366290

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366290
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: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-WMH-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3265.0 lumens
Efficiency: N/A
Efficacy: 80.4 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

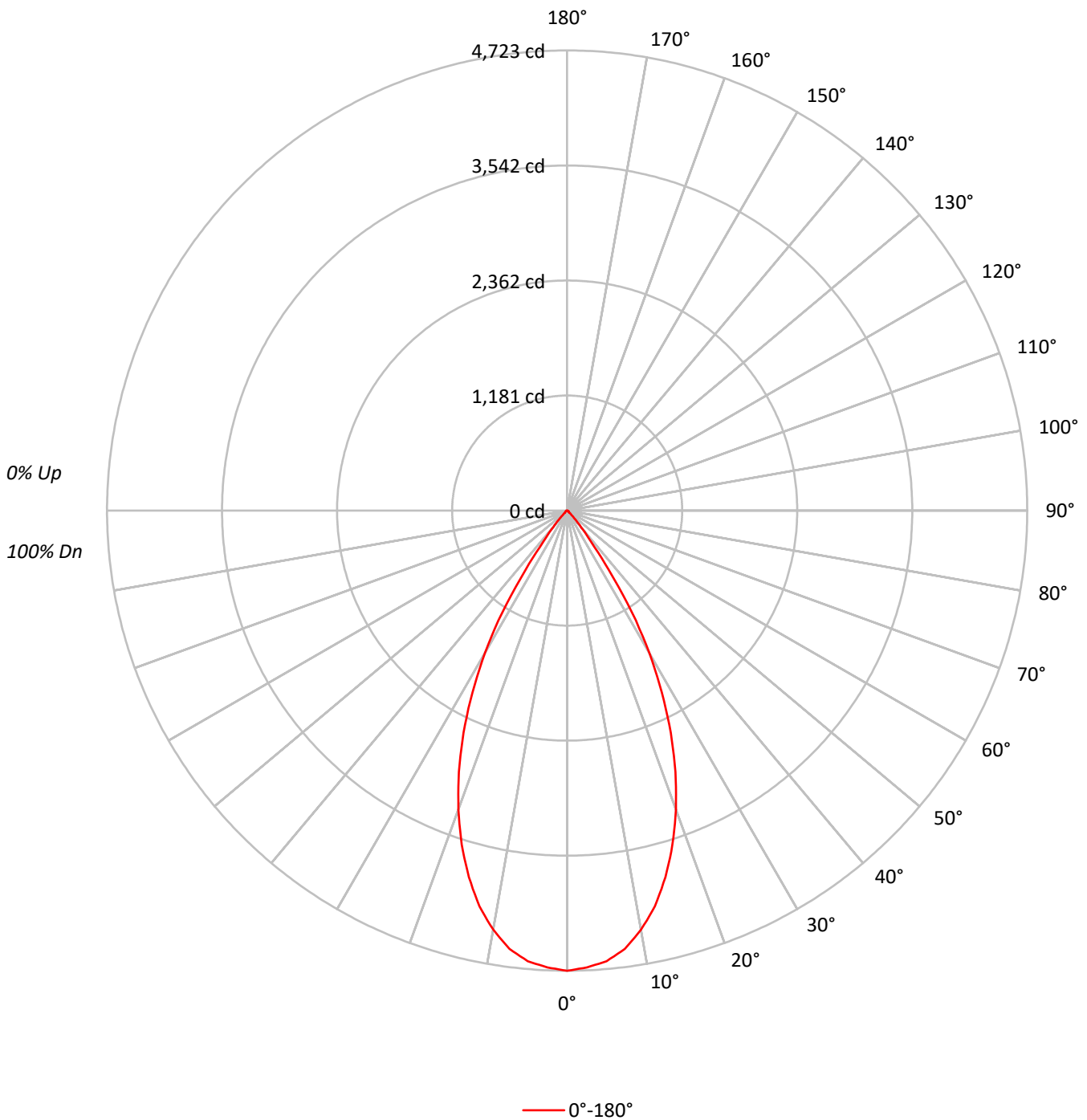
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	338197
5°	333638
10°	317582
15°	288705
20°	248608
25°	198734
30°	139347
35°	64823
40°	20479
45°	6400
50°	2818
55°	2634
60°	2420
65°	2135
70°	2345
75°	2711
80°	3464
85°	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.5	13.3
10°-20°	1079.9	33.1
20°-30°	1135.3	34.8
30°-40°	503.7	15.4
40°-50°	63.0	1.9
50°-60°	18.9	0.6
60°-70°	13.2	0.4
70°-80°	10.4	0.3
80°-90°	6.1	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°	2649.7	81.2
0°-40°	3153.4	96.6
0°-60°	3235.3	99.1
0°-90°	3265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3265.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4723	
5°	4642	435
15°	3895	1080
25°	2516	1135
35°	742	504
45°	63	63
55°	21	19
65°	13	13
75°	10	10
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4723.3
2.5°	4692.4
5°	4641.9
7.5°	4537.9
10°	4368.0
12.5°	4160.1
15°	3894.7
17.5°	3595.5
20°	3262.7
22.5°	2901.7
25°	2515.5
27.5°	2105.3
30°	1685.4
32.5°	1240.2
35°	741.6
37.5°	394.7
40°	219.1
42.5°	119.4
45°	63.2
47.5°	30.9
50°	25.3
52.5°	22.5
55°	21.1
57.5°	19.7
60°	16.9
62.5°	15.4
65°	12.6
67.5°	11.2
70°	11.2
72.5°	9.8
75°	9.8
77.5°	9.8
80°	8.4
82.5°	7.0
85°	7.0
87.5°	4.2
90°	0.0

(END OF REPORT)