

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: P364842

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
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-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3253.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

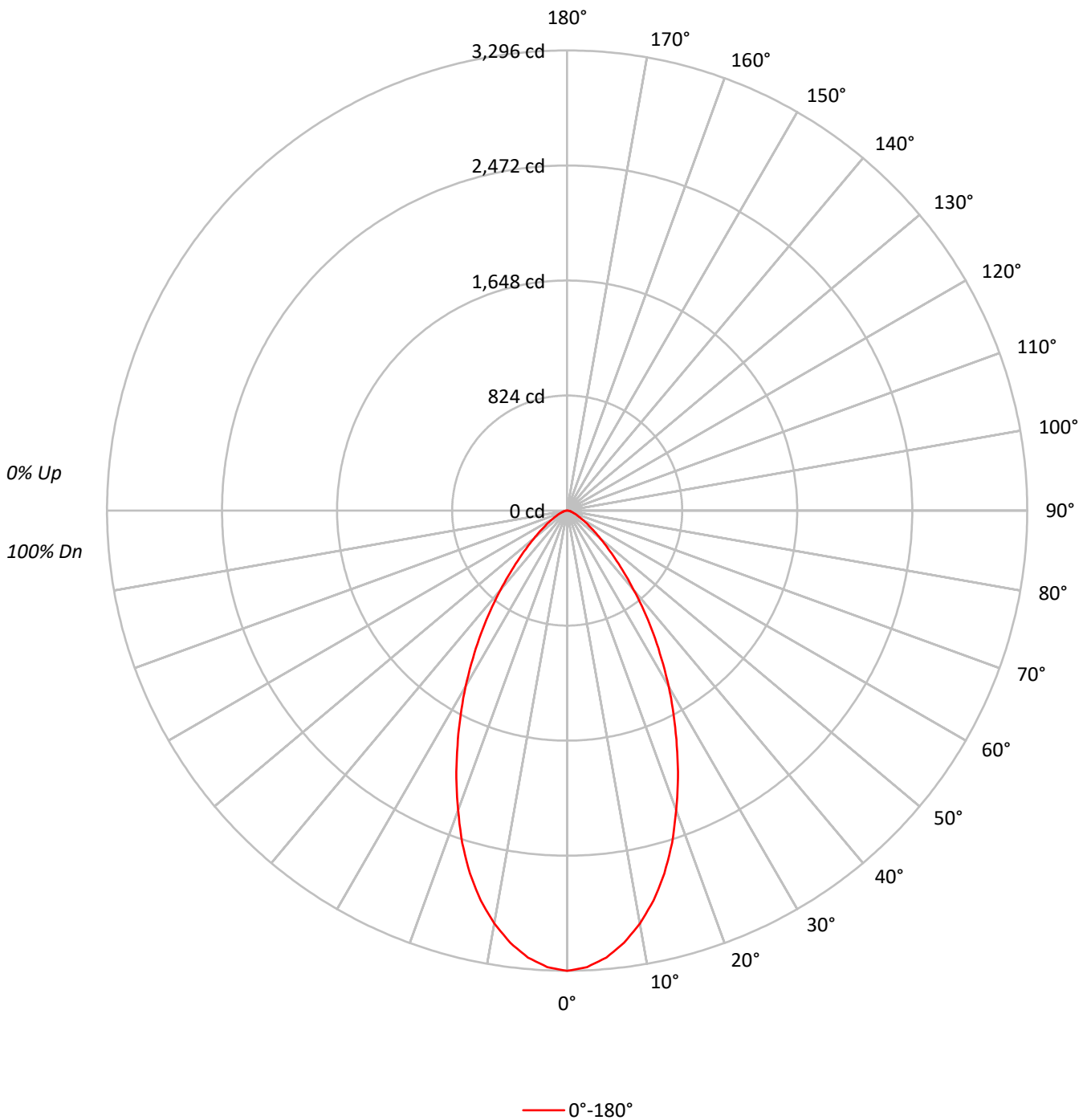
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	236036
5°	230979
10°	218337
15°	199381
20°	173912
25°	146805
30°	120306
35°	94044
40°	69317
45°	48787
50°	34420
55°	24368
60°	17299
65°	12842
70°	10007
75°	8161
80°	7546
85°	8051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.1	9.2
10°-20°	747.1	23.0
20°-30°	851.2	26.2
30°-40°	671.8	20.7
40°-50°	381.8	11.7
50°-60°	180.2	5.5
60°-70°	78.0	2.4
70°-80°	32.4	1.0
80°-90°	10.5	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°	1898.3	58.4
0°-40°	2570.1	79.0
0°-60°	3132.1	96.3
0°-90°	3253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3253.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3296	
5°	3214	300
15°	2690	747
25°	1858	851
35°	1076	672
45°	482	382
55°	195	180
65°	76	78
75°	30	32
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3296.5
2.5°	3272.6
5°	3213.6
7.5°	3122.3
10°	3003.0
12.5°	2859.7
15°	2689.7
17.5°	2497.3
20°	2282.4
22.5°	2074.5
25°	1858.2
27.5°	1651.8
30°	1455.1
32.5°	1255.7
35°	1075.9
37.5°	903.1
40°	741.6
42.5°	604.0
45°	481.8
47.5°	384.9
50°	309.0
52.5°	245.8
55°	195.2
57.5°	154.5
60°	120.8
62.5°	95.5
65°	75.8
67.5°	60.4
70°	47.8
72.5°	37.9
75°	29.5
77.5°	22.5
80°	18.3
82.5°	14.0
85°	9.8
87.5°	5.6
90°	0.0

(END OF REPORT)