

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: P365562

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2434.9 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

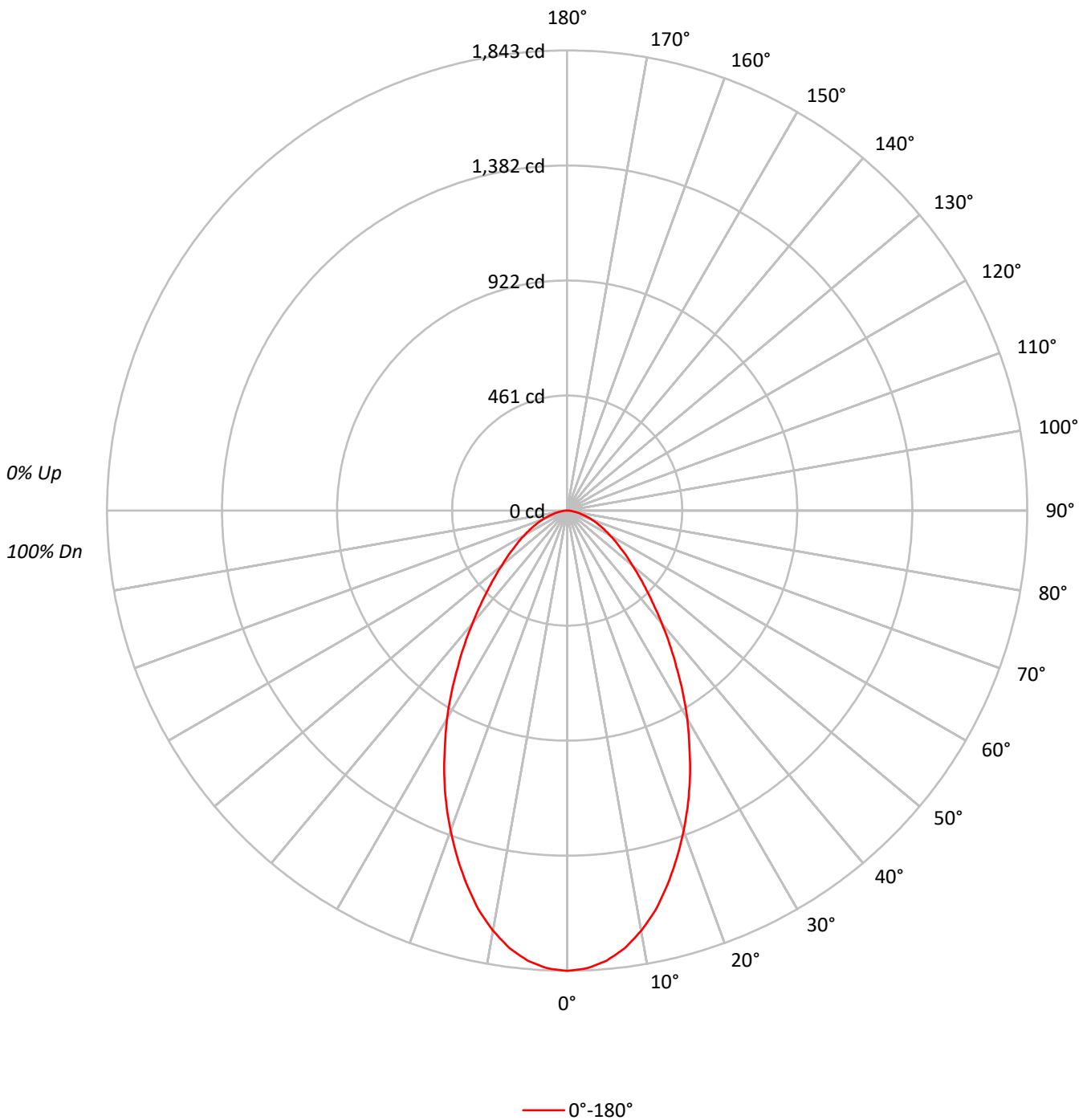
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	131984
5°	130066
10°	124219
15°	114994
20°	103979
25°	92055
30°	79512
35°	66632
40°	55110
45°	45486
50°	37996
55°	32594
60°	28340
65°	24973
70°	21751
75°	18259
80°	15050
85°	11502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	7.0
10°-20°	433.4	17.8
20°-30°	533.1	21.9
30°-40°	478.0	19.6
40°-50°	349.8	14.4
50°-60°	236.5	9.7
60°-70°	146.9	6.0
70°-80°	71.0	2.9
80°-90°	16.8	0.7
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°	1136.0	46.7
0°-40°	1613.9	66.3
0°-60°	2200.2	90.4
0°-90°	2434.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2434.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1843	
5°	1810	170
15°	1551	433
25°	1165	533
35°	762	478
45°	449	350
55°	261	236
65°	147	147
75°	66	71
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1843.3
2.5°	1834.9
5°	1809.6
7.5°	1767.5
10°	1708.5
12.5°	1638.3
15°	1551.3
17.5°	1460.0
20°	1364.6
22.5°	1266.3
25°	1165.2
27.5°	1059.9
30°	961.7
32.5°	860.6
35°	762.3
37.5°	673.9
40°	589.6
42.5°	513.8
45°	449.2
47.5°	391.7
50°	341.1
52.5°	300.4
55°	261.1
57.5°	228.8
60°	197.9
62.5°	171.3
65°	147.4
67.5°	124.9
70°	103.9
72.5°	84.2
75°	66.0
77.5°	49.1
80°	36.5
82.5°	23.9
85°	14.0
87.5°	5.6
90°	0.0

(END OF REPORT)