

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: P365608

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3737.9 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

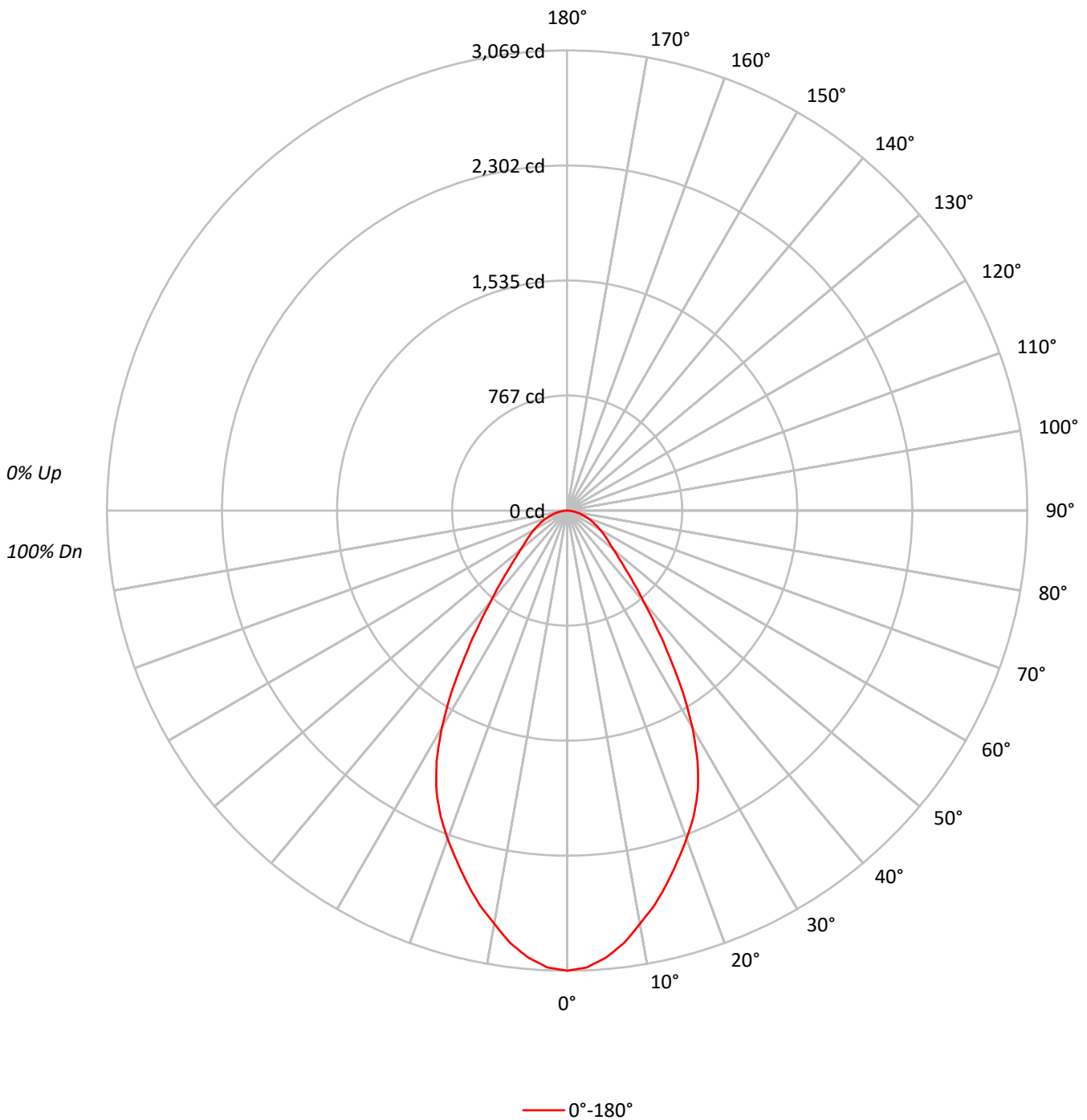
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83822
5°	82012
10°	77590
15°	72784
20°	67715
25°	62159
30°	52673
35°	39565
40°	28391
45°	21239
50°	17113
55°	15187
60°	13800
65°	12649
70°	11572
75°	10596
80°	9438
85°	7773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.4	7.5
10°-20°	721.6	19.3
20°-30°	934.6	25.0
30°-40°	748.1	20.0
40°-50°	436.3	11.7
50°-60°	287.5	7.7
60°-70°	195.1	5.2
70°-80°	106.7	2.9
80°-90°	28.7	0.8
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°	1935.6	51.8
0°-40°	2683.7	71.8
0°-60°	3407.4	91.2
0°-90°	3737.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3737.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3069	
5°	2991	279
15°	2574	722
25°	2062	935
35°	1186	748
45°	550	436
55°	319	287
65°	196	195
75°	100	107
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3068.7
2.5°	3049.0
5°	2991.0
7.5°	2908.2
10°	2797.4
12.5°	2693.9
15°	2573.8
17.5°	2448.5
20°	2329.5
22.5°	2205.2
25°	2062.4
27.5°	1885.3
30°	1670.0
32.5°	1437.0
35°	1186.5
37.5°	976.3
40°	796.2
42.5°	659.5
45°	549.8
47.5°	465.9
50°	402.7
52.5°	355.1
55°	318.9
57.5°	285.7
60°	252.6
62.5°	223.6
65°	195.7
67.5°	170.8
70°	144.9
72.5°	122.2
75°	100.4
77.5°	79.7
80°	60.0
82.5°	41.4
85°	24.8
87.5°	9.3
90°	0.0

(END OF REPORT)