

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: P365590

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365590
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-FEU6B35-8040-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3649.0 lumens
Efficiency: N/A
Efficacy: 89.9 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

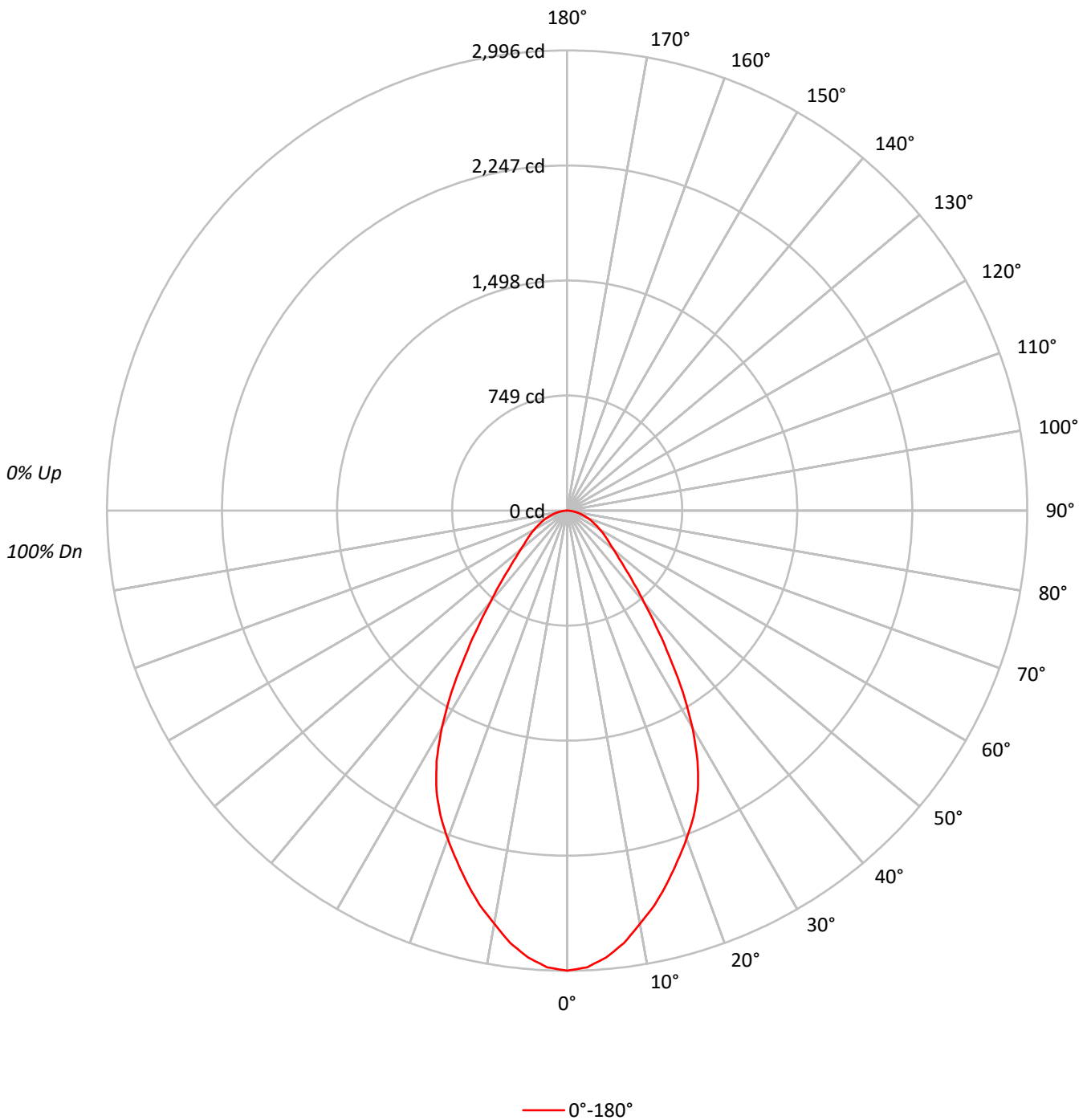
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	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°	81826
5°	80060
10°	75743
15°	71051
20°	66101
25°	60679
30°	51418
35°	38621
40°	27713
45°	20733
50°	16709
55°	14825
60°	13472
65°	12345
70°	11301
75°	10343
80°	9218
85°	7616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.8	7.5
10°-20°	704.4	19.3
20°-30°	912.3	25.0
30°-40°	730.3	20.0
40°-50°	425.9	11.7
50°-60°	280.7	7.7
60°-70°	190.5	5.2
70°-80°	104.2	2.9
80°-90°	28.0	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°	1889.5	51.8
0°-40°	2619.8	71.8
0°-60°	3326.3	91.2
0°-90°	3649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3649.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2996	
5°	2920	273
15°	2512	704
25°	2013	912
35°	1158	730
45°	537	426
55°	311	281
65°	191	190
75°	98	104
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2995.6
2.5°	2976.4
5°	2919.8
7.5°	2839.0
10°	2730.8
12.5°	2629.8
15°	2512.5
17.5°	2390.2
20°	2274.0
22.5°	2152.7
25°	2013.3
27.5°	1840.4
30°	1630.2
32.5°	1402.8
35°	1158.2
37.5°	953.1
40°	777.2
42.5°	643.8
45°	536.7
47.5°	454.8
50°	393.2
52.5°	346.7
55°	311.3
57.5°	278.9
60°	246.6
62.5°	218.3
65°	191.0
67.5°	166.8
70°	141.5
72.5°	119.3
75°	98.0
77.5°	77.8
80°	58.6
82.5°	40.4
85°	24.3
87.5°	9.1
90°	0.0

(END OF REPORT)