

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: P365555

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
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-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3233.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

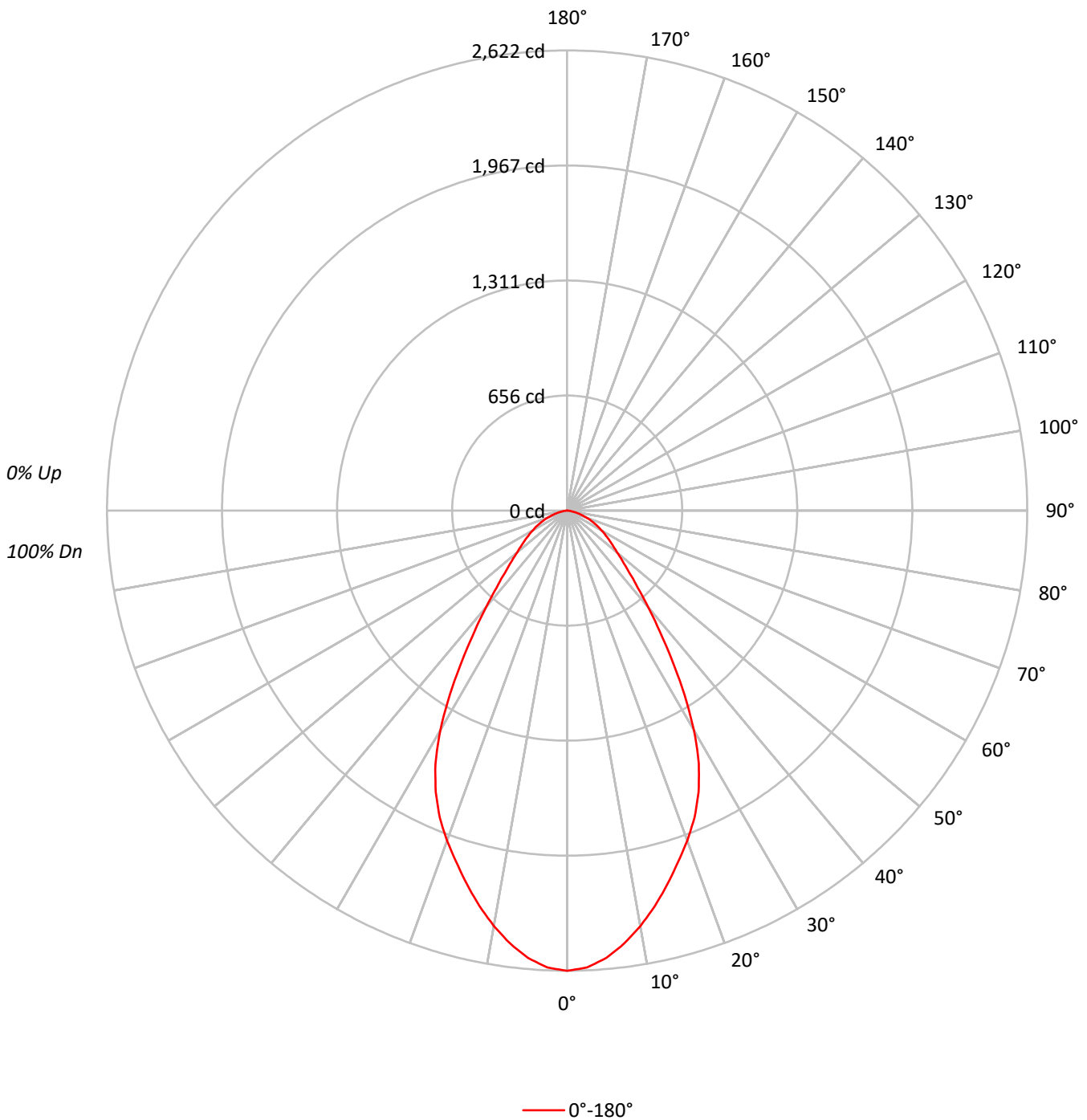
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	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	62	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71626
5°	70167
10°	66654
15°	62358
20°	58177
25°	53379
30°	45583
35°	34750
40°	25591
45°	19423
50°	15817
55°	13911
60°	12428
65°	10981
70°	9312
75°	7261
80°	4861
85°	2194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.3	7.4
10°-20°	618.8	19.1
20°-30°	804.2	24.9
30°-40°	655.3	20.3
40°-50°	397.8	12.3
50°-60°	263.2	8.1
60°-70°	168.9	5.2
70°-80°	74.5	2.3
80°-90°	11.1	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°	1662.2	51.4
0°-40°	2317.6	71.7
0°-60°	2978.5	92.1
0°-90°	3233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3233.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2622	
5°	2559	239
15°	2205	619
25°	1771	804
35°	1042	655
45°	503	398
55°	292	263
65°	170	169
75°	69	75
85°	7	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2622.2
2.5°	2605.3
5°	2559.0
7.5°	2488.8
10°	2403.1
12.5°	2307.6
15°	2205.1
17.5°	2099.7
20°	2001.4
22.5°	1894.7
25°	1771.1
27.5°	1625.0
30°	1445.2
32.5°	1243.0
35°	1042.1
37.5°	863.8
40°	717.7
42.5°	595.5
45°	502.8
47.5°	429.8
50°	372.2
52.5°	328.7
55°	292.1
57.5°	258.4
60°	227.5
62.5°	198.0
65°	169.9
67.5°	143.3
70°	116.6
72.5°	91.3
75°	68.8
77.5°	49.2
80°	30.9
82.5°	16.9
85°	7.0
87.5°	1.4
90°	0.0

(END OF REPORT)