

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: P365560

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
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-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3403.0 lumens
Efficiency: N/A
Efficacy: 83.8 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

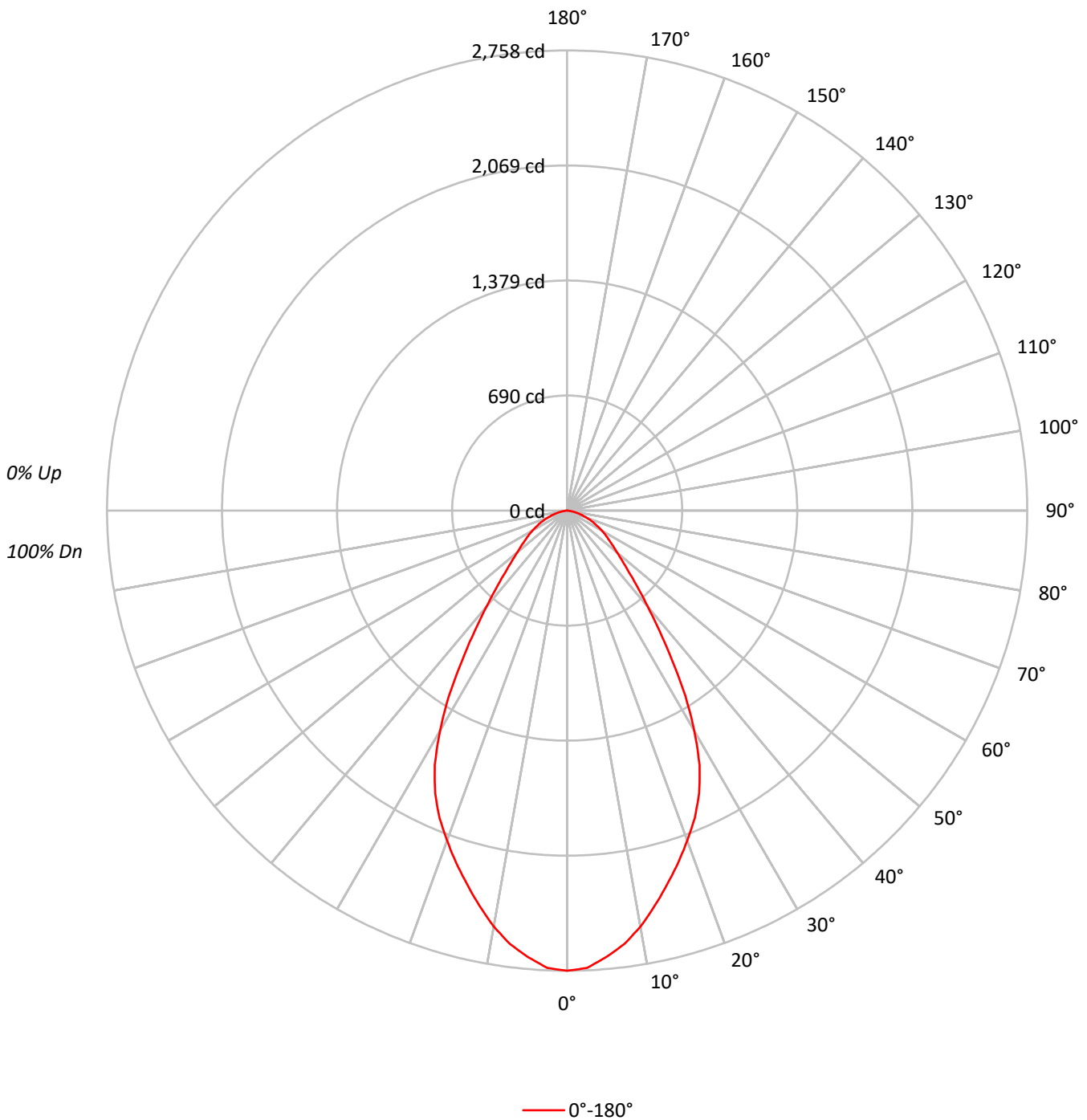
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	75330
5°	73652
10°	70218
15°	65550
20°	61174
25°	56399
30°	48034
35°	36540
40°	26750
45°	20350
50°	16539
55°	14520
60°	13046
65°	11531
70°	9759
75°	7715
80°	5301
85°	2194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	7.4
10°-20°	651.1	19.1
20°-30°	848.5	24.9
30°-40°	690.8	20.3
40°-50°	416.6	12.2
50°-60°	276.2	8.1
60°-70°	177.2	5.2
70°-80°	79.0	2.3
80°-90°	11.8	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°	1751.4	51.5
0°-40°	2442.2	71.8
0°-60°	3135.0	92.1
0°-90°	3403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3403.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2758	
5°	2686	252
15°	2318	651
25°	1871	849
35°	1096	691
45°	527	417
55°	305	276
65°	178	177
75°	73	79
85°	7	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2757.8
2.5°	2743.7
5°	2686.1
7.5°	2620.1
10°	2531.6
12.5°	2426.2
15°	2318.0
17.5°	2212.7
20°	2104.5
22.5°	1996.3
25°	1871.3
27.5°	1718.2
30°	1522.9
32.5°	1319.2
35°	1095.8
37.5°	909.0
40°	750.2
42.5°	625.2
45°	526.8
47.5°	449.6
50°	389.2
52.5°	345.6
55°	304.9
57.5°	272.5
60°	238.8
62.5°	207.9
65°	178.4
67.5°	150.3
70°	122.2
72.5°	96.9
75°	73.1
77.5°	52.0
80°	33.7
82.5°	18.3
85°	7.0
87.5°	1.4
90°	0.0

(END OF REPORT)