

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: P364867

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
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-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3112.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

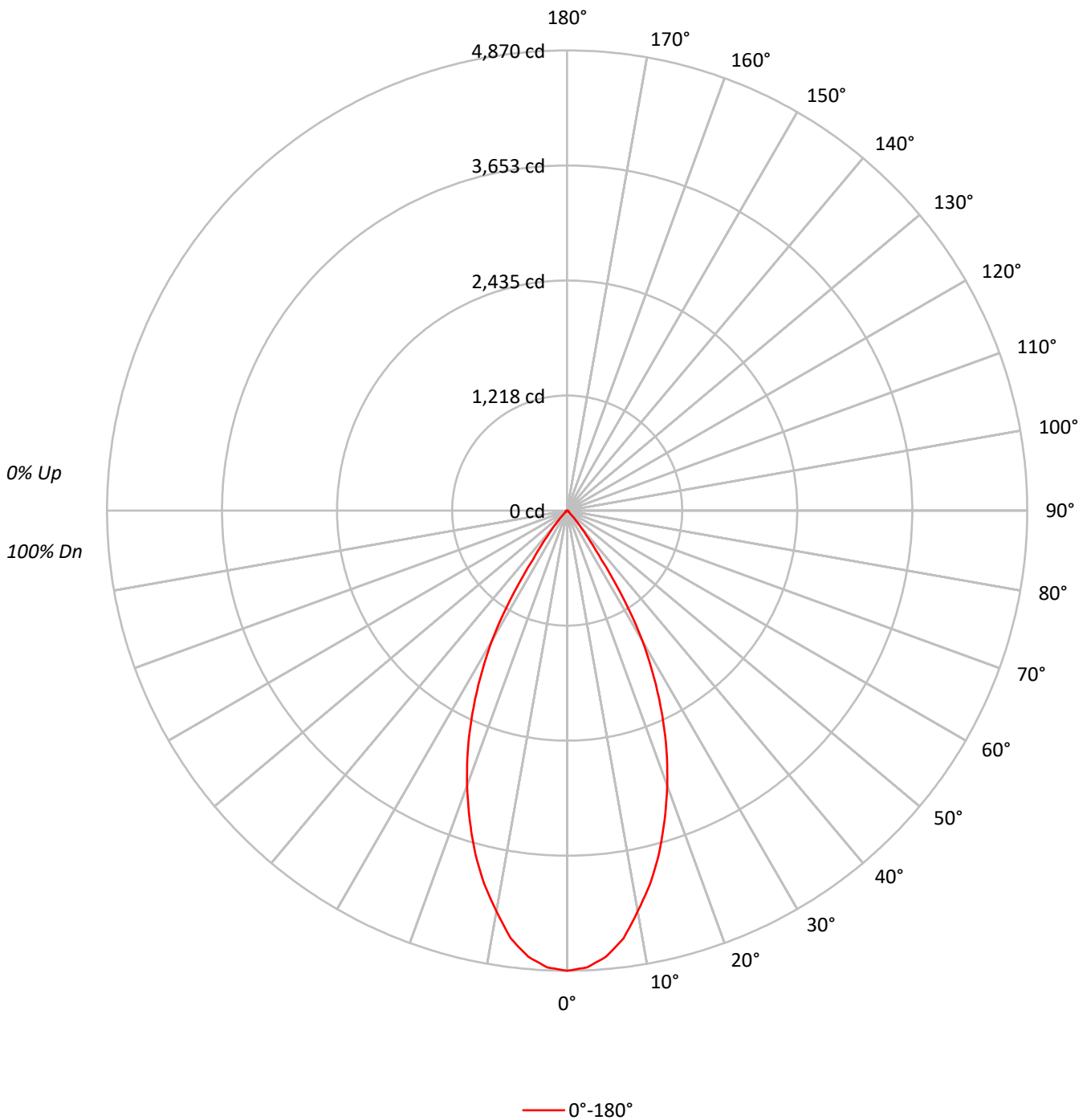
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	348701
5°	340603
10°	313052
15°	278609
20°	235990
25°	187658
30°	131939
35°	55059
40°	19012
45°	4921
50°	2484
55°	2297
60°	2248
65°	2219
70°	2198
75°	2905
80°	3257
85°	5422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.7	14.1
10°-20°	1041.1	33.5
20°-30°	1074.3	34.5
30°-40°	456.9	14.7
40°-50°	54.8	1.8
50°-60°	16.6	0.5
60°-70°	13.0	0.4
70°-80°	10.4	0.3
80°-90°	6.1	0.2
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°	2554.2	82.1
0°-40°	3011.1	96.8
0°-60°	3082.5	99.1
0°-90°	3112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3112.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4870	
5°	4739	439
15°	3758	1041
25°	2375	1074
35°	630	457
45°	49	55
55°	18	17
65°	13	13
75°	10	10
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4870.0
2.5°	4838.5
5°	4738.8
7.5°	4565.6
10°	4305.7
12.5°	4049.8
15°	3758.5
17.5°	3430.4
20°	3097.1
22.5°	2749.3
25°	2375.3
27.5°	1989.5
30°	1595.8
32.5°	1131.2
35°	629.9
37.5°	362.2
40°	203.4
42.5°	105.0
45°	48.6
47.5°	26.2
50°	22.3
52.5°	19.7
55°	18.4
57.5°	17.1
60°	15.7
62.5°	14.4
65°	13.1
67.5°	11.8
70°	10.5
72.5°	10.5
75°	10.5
77.5°	9.2
80°	7.9
82.5°	7.9
85°	6.6
87.5°	3.9
90°	0.0

(END OF REPORT)