

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: P364847

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)  
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-LI-BTR86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3055.1 lumens  
Efficiency: N/A  
Efficacy: 75.2 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

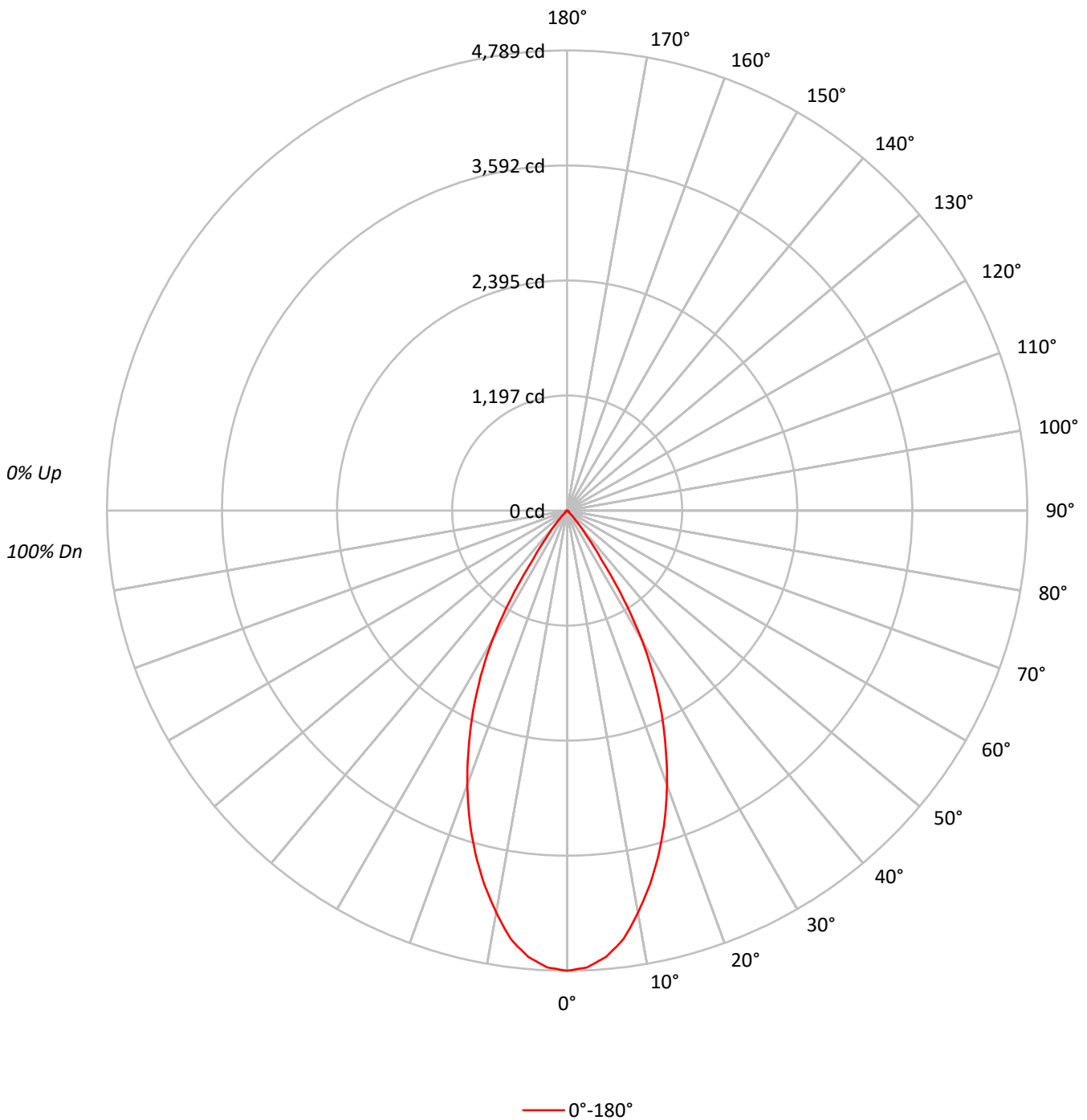
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	78
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°	342887
5°	335069
10°	308901
15°	273590
20°	231632
25°	183510
30°	128962
35°	53713
40°	18432
45°	4921
50°	2707
55°	2534
60°	2320
65°	2287
70°	2261
75°	2628
80°	3340
85°	5586



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.0	14.1
10°-20°	1023.9	33.5
20°-30°	1051.1	34.4
30°-40°	445.1	14.6
40°-50°	54.7	1.8
50°-60°	18.1	0.6
60°-70°	13.4	0.4
70°-80°	10.4	0.3
80°-90°	6.3	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°	2507.1	82.1
0°-40°	2952.2	96.6
0°-60°	3025.0	99.0
0°-90°	3055.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3055.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4789	
5°	4662	432
15°	3691	1024
25°	2323	1051
35°	614	445
45°	49	55
55°	20	18
65°	14	13
75°	10	10
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4788.8
2.5°	4757.7
5°	4661.8
7.5°	4497.1
10°	4248.6
12.5°	3983.9
15°	3690.8
17.5°	3376.2
20°	3039.9
22.5°	2682.0
25°	2322.8
27.5°	1951.4
30°	1559.8
32.5°	1099.3
35°	614.5
37.5°	352.5
40°	197.2
42.5°	104.0
45°	48.6
47.5°	28.4
50°	24.3
52.5°	21.6
55°	20.3
57.5°	18.9
60°	16.2
62.5°	14.9
65°	13.5
67.5°	12.2
70°	10.8
72.5°	10.8
75°	9.5
77.5°	9.5
80°	8.1
82.5°	8.1
85°	6.8
87.5°	4.1
90°	0.0

(END OF REPORT)