

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: P364881

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-LI-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364881  
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-FEU6B35-8050-F6LBXVM1-LI-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3288.0 lumens  
Efficiency: N/A  
Efficacy: 81.0 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

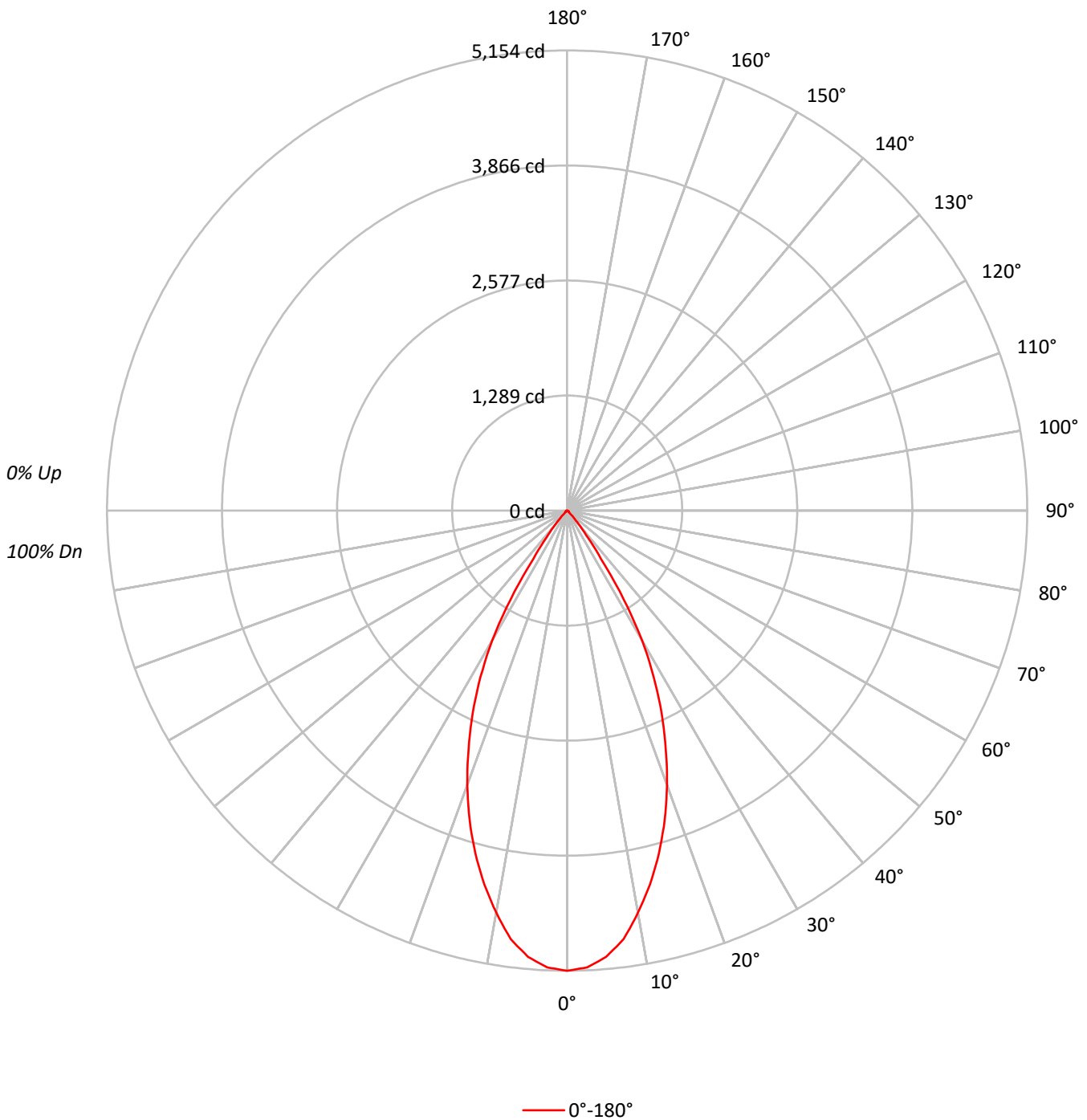
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	369036
5°	360627
10°	332457
15°	294457
20°	249302
25°	197510
30°	138801
35°	57804
40°	19834
45°	5296
50°	2918
55°	2721
60°	2492
65°	2457
70°	2428
75°	2822
80°	3587
85°	5997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.0	14.1
10°-20°	1102.0	33.5
20°-30°	1131.3	34.4
30°-40°	479.1	14.6
40°-50°	58.9	1.8
50°-60°	19.5	0.6
60°-70°	14.4	0.4
70°-80°	11.1	0.3
80°-90°	6.7	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°	2698.3	82.1
0°-40°	3177.4	96.6
0°-60°	3255.7	99.0
0°-90°	3288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5154	
5°	5017	465
15°	3972	1102
25°	2500	1131
35°	661	479
45°	52	59
55°	22	19
65°	14	14
75°	10	11
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5154.0
2.5°	5120.6
5°	5017.4
7.5°	4840.1
10°	4572.6
12.5°	4287.7
15°	3972.3
17.5°	3633.7
20°	3271.8
22.5°	2886.6
25°	2500.0
27.5°	2100.3
30°	1678.8
32.5°	1183.1
35°	661.3
37.5°	379.4
40°	212.2
42.5°	111.9
45°	52.3
47.5°	30.5
50°	26.2
52.5°	23.3
55°	21.8
57.5°	20.3
60°	17.4
62.5°	16.0
65°	14.5
67.5°	13.1
70°	11.6
72.5°	11.6
75°	10.2
77.5°	10.2
80°	8.7
82.5°	8.7
85°	7.3
87.5°	4.4
90°	0.0

(END OF REPORT)