

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: P366242

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BL87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BL87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3258.9 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

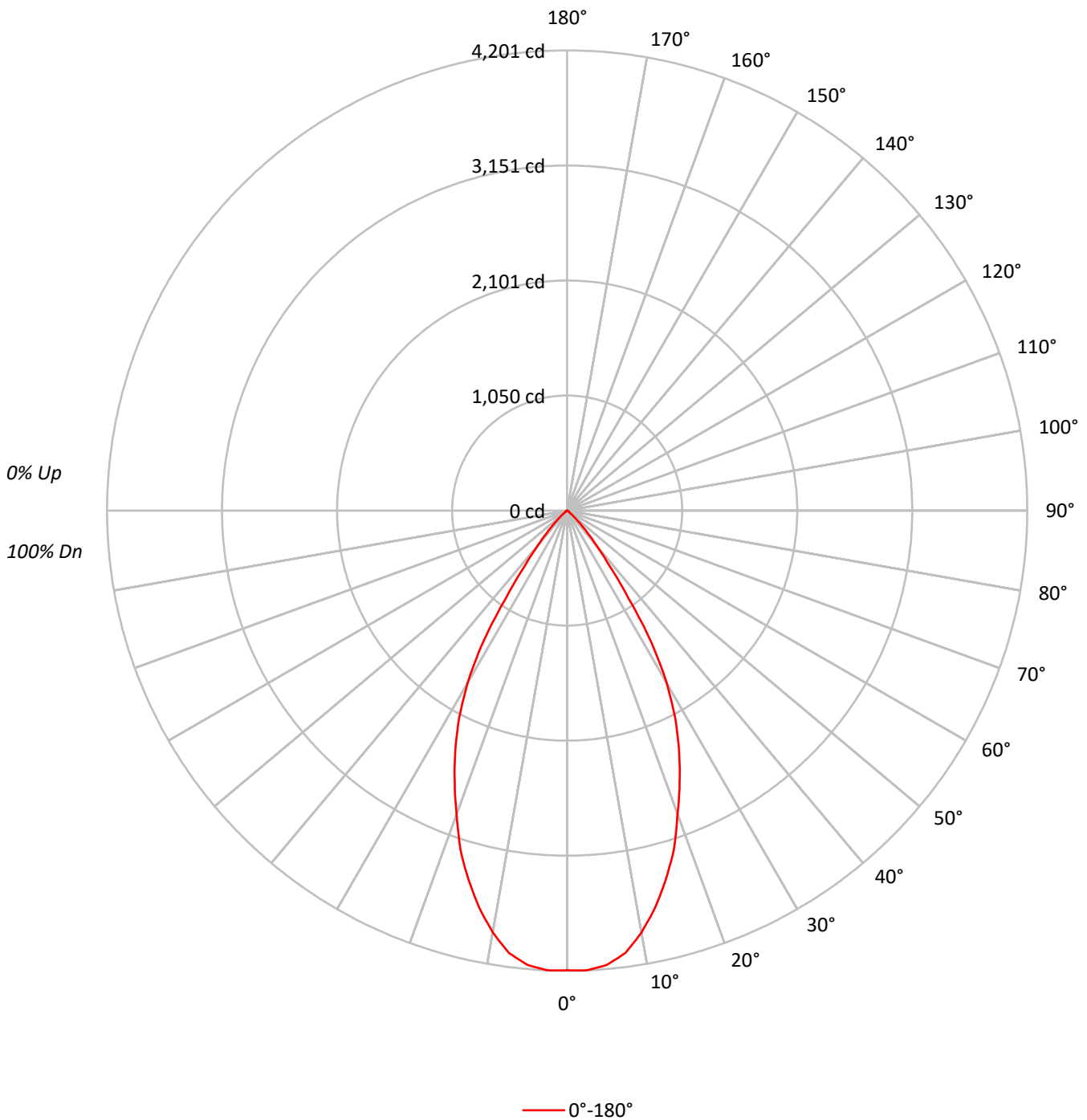
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	114650
5°	114167
10°	108453
15°	98512
20°	85722
25°	72879
30°	57332
35°	32709
40°	14719
45°	6196
50°	1955
55°	591
60°	410
65°	323
70°	295
75°	390
80°	189
85°	376



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.5	12.0
10°-20°	969.0	29.7
20°-30°	1098.1	33.7
30°-40°	636.6	19.5
40°-50°	141.2	4.3
50°-60°	15.5	0.5
60°-70°	5.1	0.2
70°-80°	3.3	0.1
80°-90°	0.8	0.0
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°	2456.6	75.4
0°-40°	3093.2	94.9
0°-60°	3249.8	99.7
0°-90°	3258.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3258.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4197	
5°	4164	389
15°	3484	969
25°	2418	1098
35°	981	637
45°	160	141
55°	12	15
65°	5	5
75°	4	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4197.3
2.5°	4201.0
5°	4163.7
7.5°	4072.9
10°	3910.1
12.5°	3712.4
15°	3483.6
17.5°	3242.4
20°	2949.0
22.5°	2684.2
25°	2418.1
27.5°	2134.7
30°	1817.7
32.5°	1443.4
35°	980.9
37.5°	630.3
40°	412.8
42.5°	269.8
45°	160.4
47.5°	89.5
50°	46.0
52.5°	21.1
55°	12.4
57.5°	9.9
60°	7.5
62.5°	6.2
65°	5.0
67.5°	3.7
70°	3.7
72.5°	3.7
75°	3.7
77.5°	2.5
80°	1.2
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)