

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: P366316

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366316  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)  
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-WMH-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3988.0 lumens  
Efficiency: N/A  
Efficacy: 98.2 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

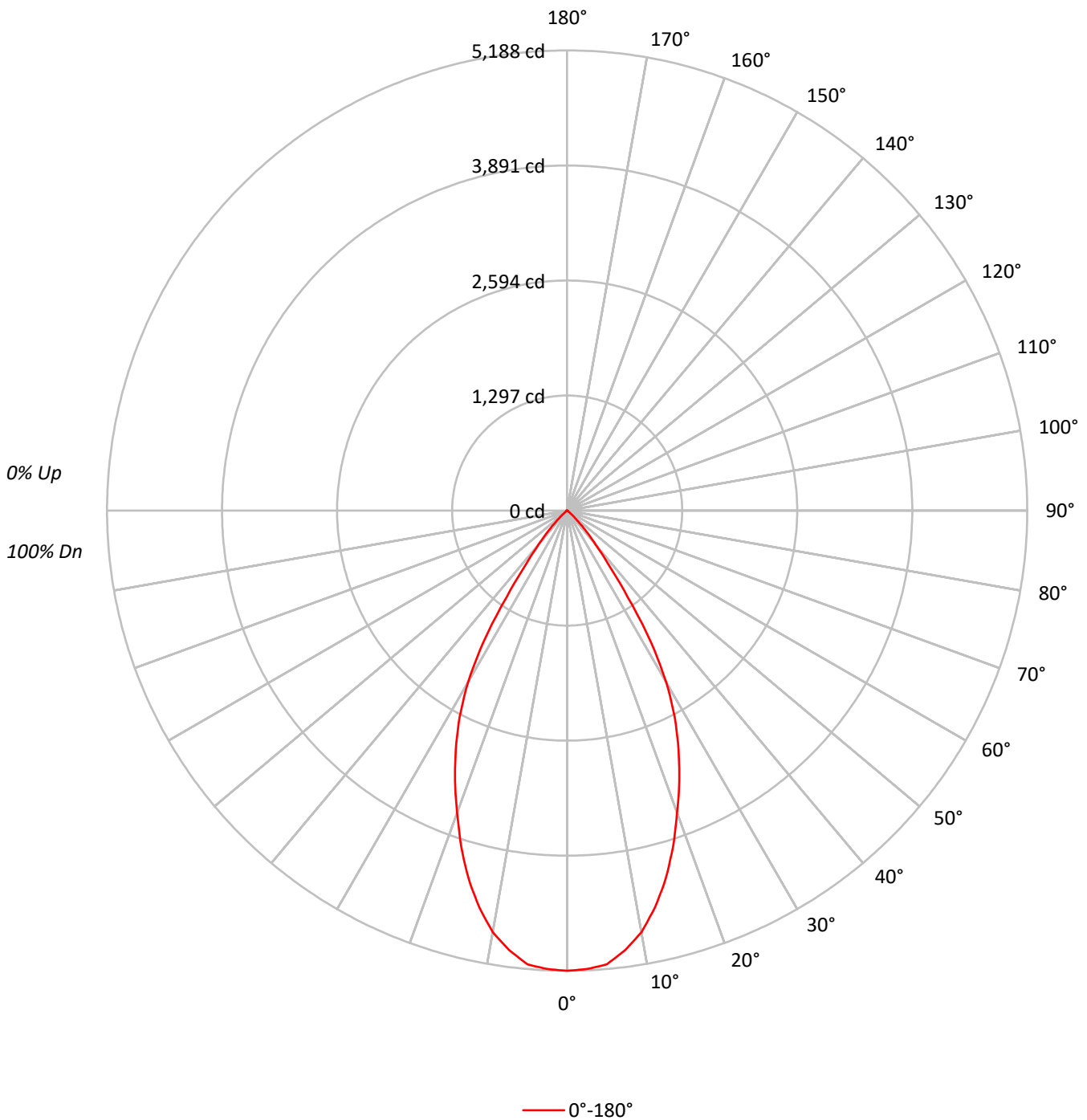
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75		81	77	74		80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70		77	73	70		76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58		66	61	58		65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55		63	58	55		62	58	55	53

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

	0°
0°	141720
5°	140786
10°	133863
15°	121472
20°	105375
25°	89579
30°	70494
35°	39711
40°	17836
45°	7413
50°	2222
55°	624
60°	399
65°	284
70°	232
75°	306
80°	236
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	479.5	12.0
10°-20°	1192.3	29.9
20°-30°	1350.0	33.9
30°-40°	774.0	19.4
40°-50°	168.2	4.2
50°-60°	16.5	0.4
60°-70°	4.9	0.1
70°-80°	2.5	0.1
80°-90°	0.2	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°	3021.8	75.8
0°-40°	3795.8	95.2
0°-60°	3980.4	99.8
0°-90°	3988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3988.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5188	
5°	5134	479
15°	4296	1192
25°	2972	1350
35°	1191	774
45°	192	168
55°	13	16
65°	4	5
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5188.3
2.5°	5173.8
5°	5134.5
7.5°	4999.3
10°	4826.2
12.5°	4579.0
15°	4295.5
17.5°	3969.7
20°	3625.1
22.5°	3302.3
25°	2972.2
27.5°	2623.2
30°	2235.0
32.5°	1760.9
35°	1190.9
37.5°	753.2
40°	500.2
42.5°	319.9
45°	191.9
47.5°	104.7
50°	52.3
52.5°	21.8
55°	13.1
57.5°	10.2
60°	7.3
62.5°	5.8
65°	4.4
67.5°	4.4
70°	2.9
72.5°	2.9
75°	2.9
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)