

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: P365596

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365596  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)  
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-MW-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3522.0 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

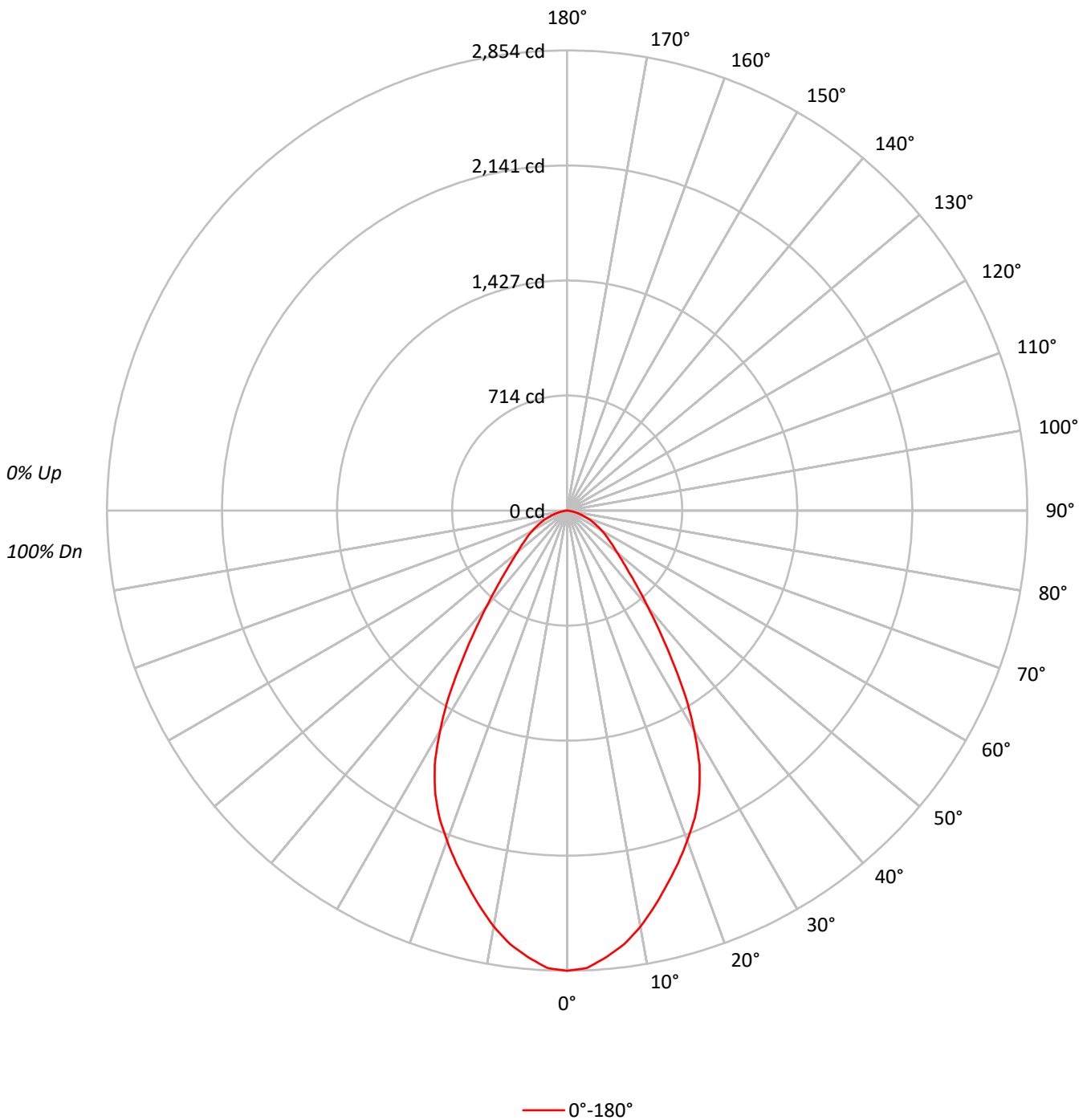
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

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

	0°
0°	77963
5°	76229
10°	72673
15°	67844
20°	63314
25°	58370
30°	49712
35°	37817
40°	27685
45°	21065
50°	17117
55°	15025
60°	13505
65°	11938
70°	10103
75°	7979
80°	5490
85°	2288



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.5	7.4
10°-20°	673.9	19.1
20°-30°	878.2	24.9
30°-40°	715.0	20.3
40°-50°	431.2	12.2
50°-60°	285.8	8.1
60°-70°	183.5	5.2
70°-80°	81.7	2.3
80°-90°	12.3	0.3
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°	1812.6	51.5
0°-40°	2527.5	71.8
0°-60°	3244.6	92.1
0°-90°	3522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3522.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2854	
5°	2780	261
15°	2399	674
25°	1937	878
35°	1134	715
45°	545	431
55°	316	286
65°	185	183
75°	76	82
85°	7	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2854.2
2.5°	2839.7
5°	2780.1
7.5°	2711.7
10°	2620.1
12.5°	2511.1
15°	2399.1
17.5°	2290.1
20°	2178.1
22.5°	2066.1
25°	1936.7
27.5°	1778.2
30°	1576.1
32.5°	1365.3
35°	1134.1
37.5°	940.7
40°	776.4
42.5°	647.0
45°	545.3
47.5°	465.3
50°	402.8
52.5°	357.7
55°	315.5
57.5°	282.1
60°	247.2
62.5°	215.2
65°	184.7
67.5°	155.6
70°	126.5
72.5°	100.3
75°	75.6
77.5°	53.8
80°	34.9
82.5°	18.9
85°	7.3
87.5°	1.5
90°	0.0

(END OF REPORT)