

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: P365574

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365574  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BL85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3256.0 lumens  
Efficiency: N/A  
Efficacy: 80.2 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

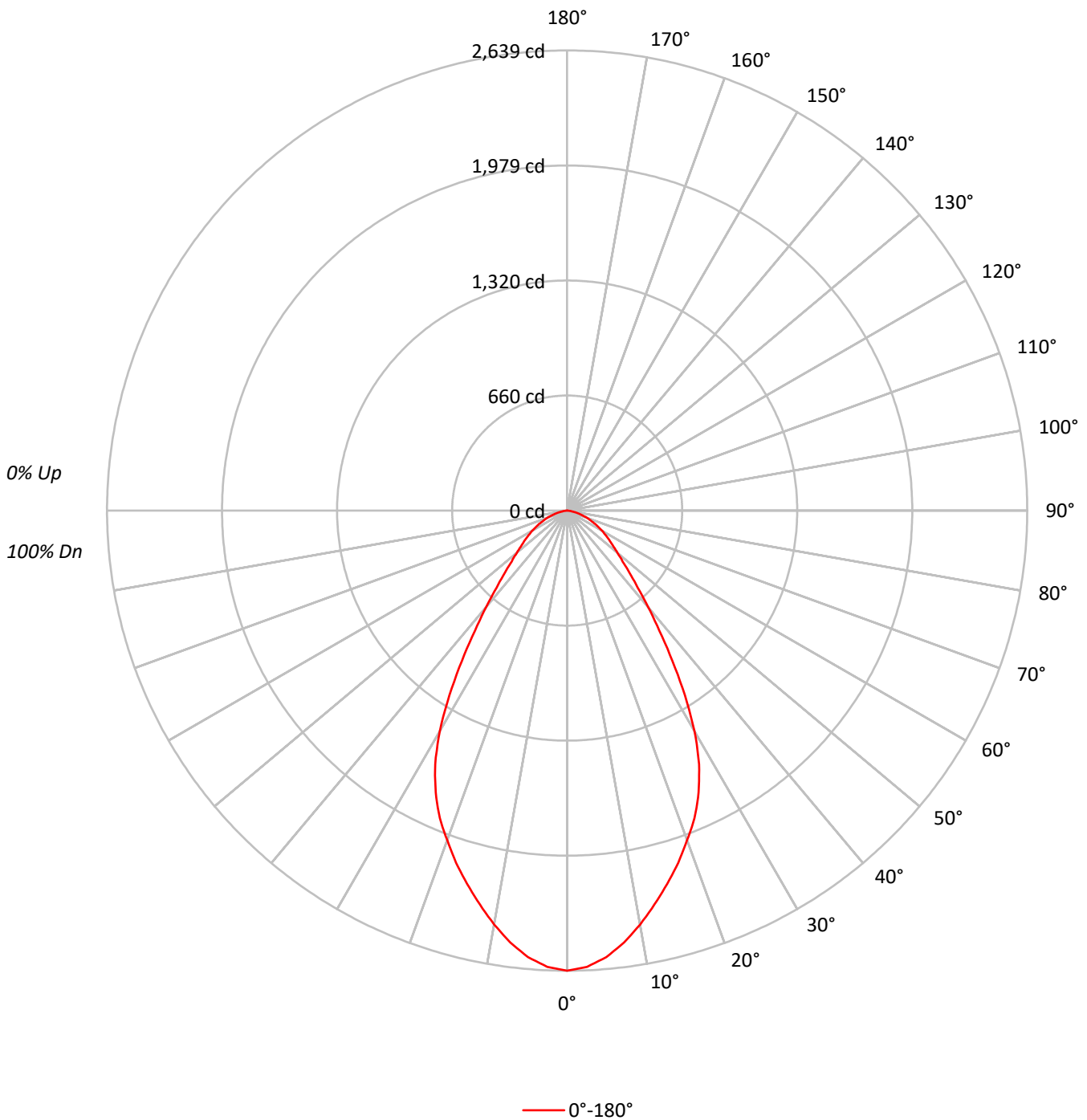
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94		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	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	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	63	57	52	62	56	51		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°	72080
5°	70485
10°	66851
15°	62660
20°	58468
25°	53777
30°	46069
35°	35073
40°	25763
45°	19520
50°	15987
55°	14058
60°	12565
65°	11007
70°	9408
75°	7345
80°	4908
85°	2225



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.2	7.4
10°-20°	622.0	19.1
20°-30°	810.6	24.9
30°-40°	660.9	20.3
40°-50°	400.1	12.3
50°-60°	265.7	8.2
60°-70°	169.9	5.2
70°-80°	75.3	2.3
80°-90°	11.2	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°	1672.9	51.4
0°-40°	2333.7	71.7
0°-60°	2999.5	92.1
0°-90°	3256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3256.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2639	
5°	2571	240
15°	2216	622
25°	1784	811
35°	1052	661
45°	505	400
55°	295	266
65°	170	170
75°	70	75
85°	7	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2638.8
2.5°	2618.9
5°	2570.6
7.5°	2498.2
10°	2410.2
12.5°	2313.7
15°	2215.8
17.5°	2117.8
20°	2011.4
22.5°	1909.2
25°	1784.3
27.5°	1639.5
30°	1460.6
32.5°	1256.2
35°	1051.8
37.5°	867.3
40°	722.5
42.5°	599.0
45°	505.3
47.5°	431.5
50°	376.2
52.5°	330.7
55°	295.2
57.5°	261.2
60°	230.0
62.5°	200.1
65°	170.3
67.5°	143.4
70°	117.8
72.5°	92.3
75°	69.6
77.5°	49.7
80°	31.2
82.5°	17.0
85°	7.1
87.5°	1.4
90°	0.0

(END OF REPORT)