

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: P365566

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2478.0 lumens  
Efficiency: N/A  
Efficacy: 61.0 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

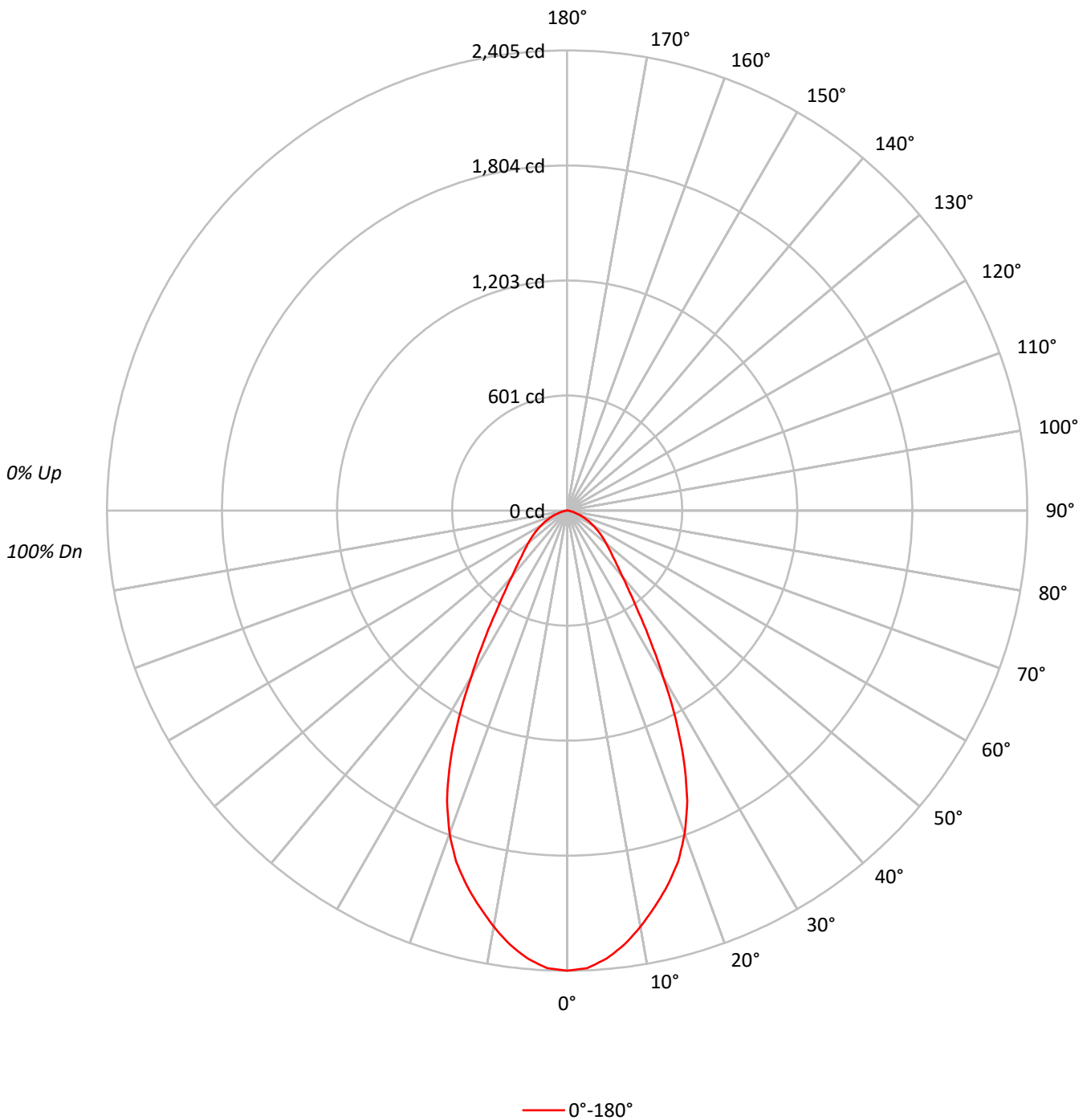
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	172181
5°	169008
10°	160543
15°	150353
20°	136888
25°	114192
30°	82803
35°	56974
40°	41884
45°	33993
50°	29575
55°	26128
60°	22726
65°	19280
70°	15576
75°	11260
80°	7546
85°	8051



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.9	8.9
10°-20°	566.5	22.9
20°-30°	650.1	26.2
30°-40°	420.8	17.0
40°-50°	264.4	10.7
50°-60°	188.1	7.6
60°-70°	113.4	4.6
70°-80°	45.1	1.8
80°-90°	9.7	0.4
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°	1436.5	58.0
0°-40°	1857.3	75.0
0°-60°	2309.8	93.2
0°-90°	2478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2478.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2405	
5°	2351	220
15°	2028	567
25°	1445	650
35°	652	421
45°	336	264
55°	209	188
65°	114	113
75°	41	45
85°	10	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2404.7
2.5°	2393.5
5°	2351.4
7.5°	2288.2
10°	2208.1
12.5°	2119.6
15°	2028.3
17.5°	1925.8
20°	1796.5
22.5°	1640.6
25°	1445.4
27.5°	1227.7
30°	1001.5
32.5°	810.5
35°	651.8
37.5°	535.2
40°	448.1
42.5°	384.9
45°	335.7
47.5°	297.8
50°	265.5
52.5°	237.4
55°	209.3
57.5°	184.0
60°	158.7
62.5°	136.2
65°	113.8
67.5°	92.7
70°	74.4
72.5°	56.2
75°	40.7
77.5°	28.1
80°	18.3
82.5°	11.2
85°	9.8
87.5°	5.6
90°	0.0

(END OF REPORT)