

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: P365589

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)  
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-BTR94  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2525.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

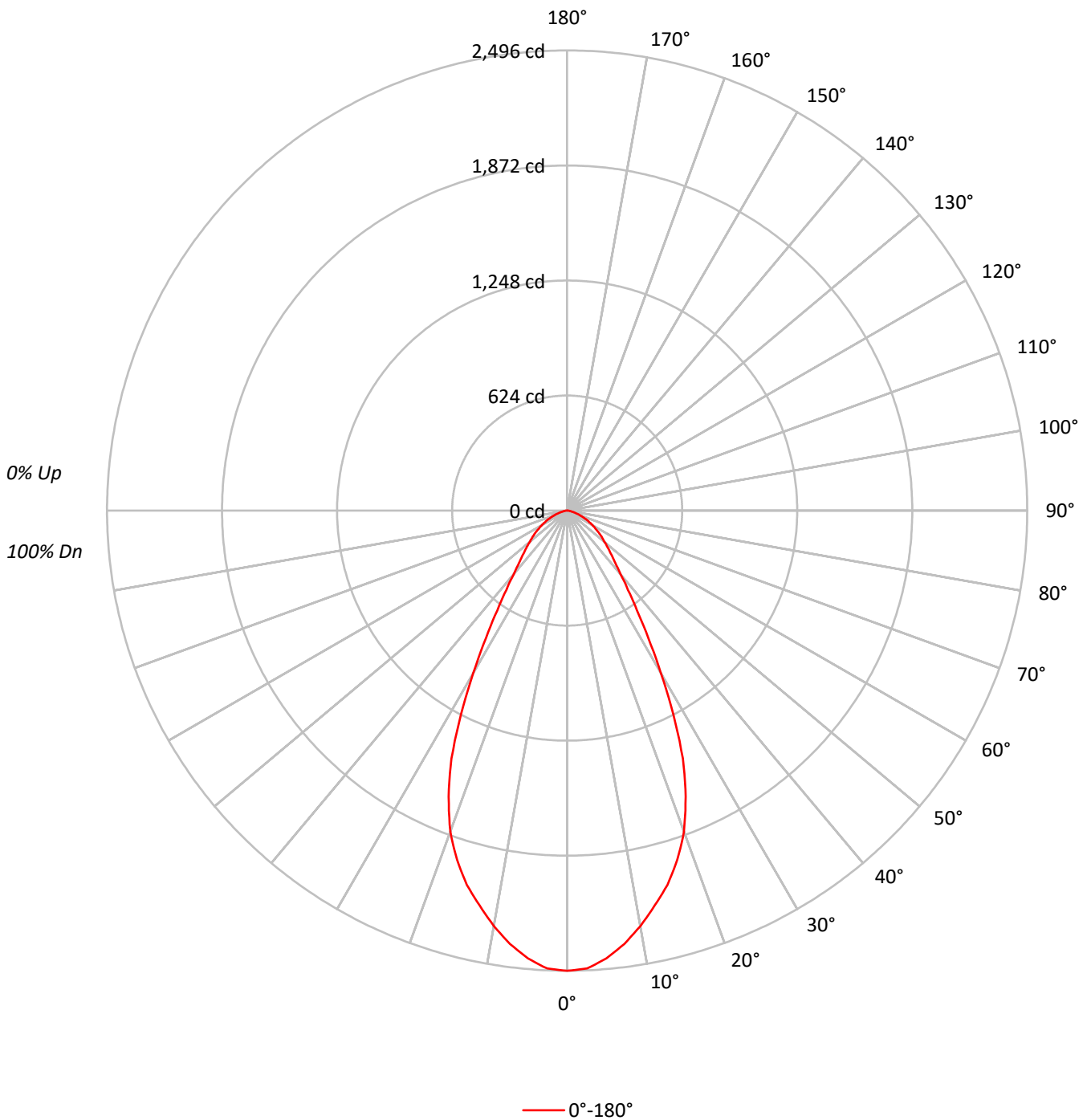
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

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

	0°
0°	178718
5°	175218
10°	166410
15°	155779
20°	141208
25°	117265
30°	84117
35°	57673
40°	42314
45°	34337
50°	29564
55°	26215
60°	22755
65°	19230
70°	15157
75°	10983
80°	7010
85°	8133



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.0	9.0
10°-20°	585.8	23.2
20°-30°	665.1	26.3
30°-40°	425.7	16.9
40°-50°	265.9	10.5
50°-60°	188.3	7.5
60°-70°	112.7	4.5
70°-80°	43.9	1.7
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°	1478.9	58.6
0°-40°	1904.6	75.4
0°-60°	2358.8	93.4
0°-90°	2525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2496	
5°	2438	228
15°	2102	586
25°	1484	665
35°	660	426
45°	339	266
55°	210	188
65°	114	113
75°	40	44
85°	10	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2496.0
2.5°	2486.1
5°	2437.8
7.5°	2371.2
10°	2288.8
12.5°	2193.8
15°	2101.5
17.5°	1986.6
20°	1853.2
22.5°	1680.1
25°	1484.3
27.5°	1247.3
30°	1017.4
32.5°	817.3
35°	659.8
37.5°	542.1
40°	452.7
42.5°	386.0
45°	339.1
47.5°	299.4
50°	265.4
52.5°	238.4
55°	210.0
57.5°	183.1
60°	158.9
62.5°	134.8
65°	113.5
67.5°	92.2
70°	72.4
72.5°	55.3
75°	39.7
77.5°	27.0
80°	17.0
82.5°	11.4
85°	9.9
87.5°	5.7
90°	0.0

(END OF REPORT)