

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: P365553

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365553  
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-FEU6B35-8030-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: 2448.9 lumens  
Efficiency: N/A  
Efficacy: 60.3 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

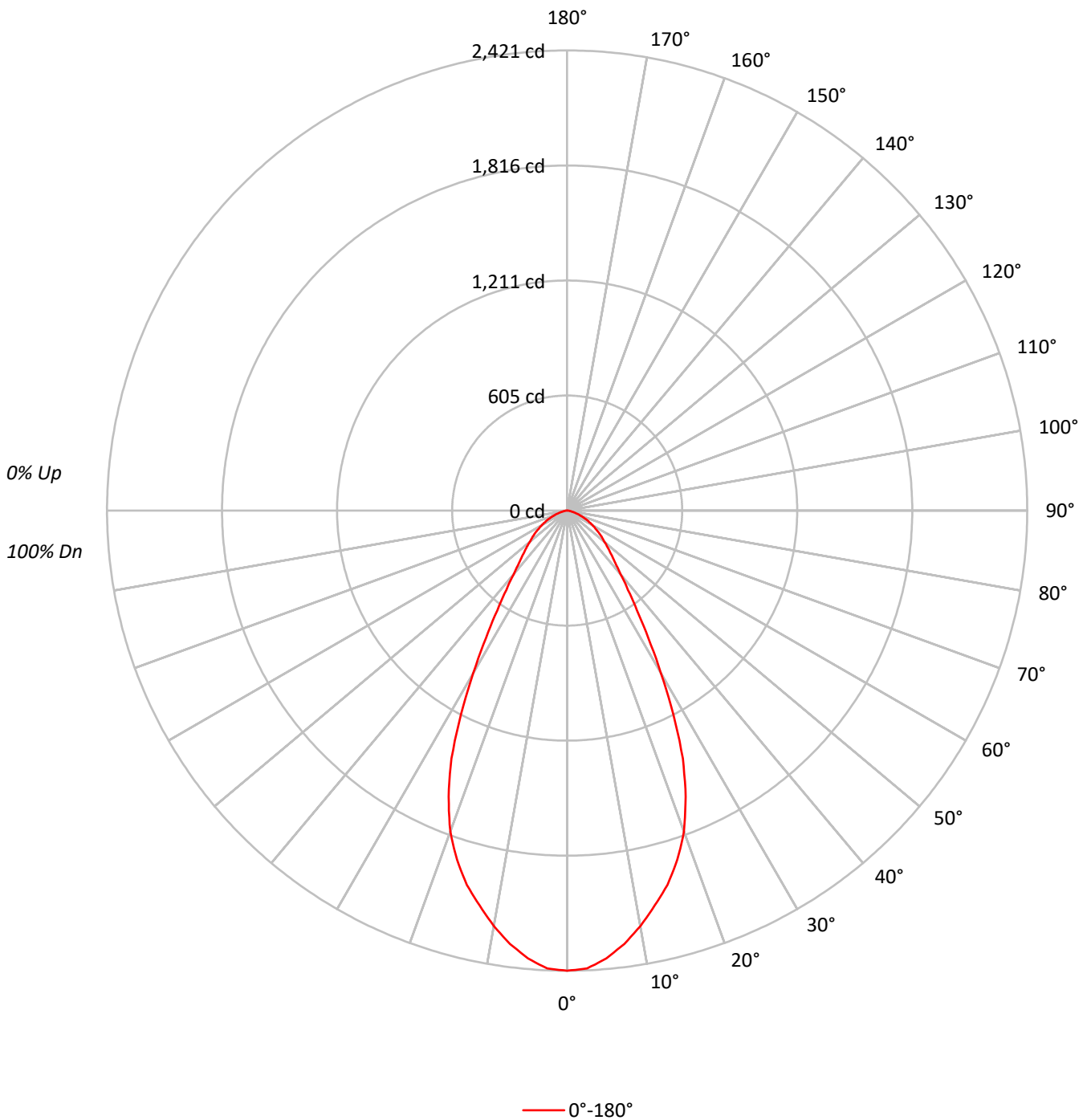
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	173341
5°	169949
10°	161408
15°	151094
20°	136957
25°	113734
30°	81587
35°	55942
40°	41033
45°	33305
50°	28672
55°	25429
60°	22068
65°	18654
70°	14696
75°	10651
80°	6804
85°	7887



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.1	9.0
10°-20°	568.1	23.2
20°-30°	645.1	26.3
30°-40°	412.9	16.9
40°-50°	257.9	10.5
50°-60°	182.6	7.5
60°-70°	109.3	4.5
70°-80°	42.5	1.7
80°-90°	9.4	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°	1434.4	58.6
0°-40°	1847.2	75.4
0°-60°	2287.8	93.4
0°-90°	2448.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2448.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2421	
5°	2364	221
15°	2038	568
25°	1440	645
35°	640	413
45°	329	258
55°	204	183
65°	110	109
75°	38	43
85°	10	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2420.9
2.5°	2411.3
5°	2364.5
7.5°	2299.8
10°	2220.0
12.5°	2127.7
15°	2038.3
17.5°	1926.8
20°	1797.4
22.5°	1629.5
25°	1439.6
27.5°	1209.8
30°	986.8
32.5°	792.7
35°	640.0
37.5°	525.7
40°	439.0
42.5°	374.4
45°	328.9
47.5°	290.4
50°	257.4
52.5°	231.2
55°	203.7
57.5°	177.5
60°	154.1
62.5°	130.7
65°	110.1
67.5°	89.5
70°	70.2
72.5°	53.7
75°	38.5
77.5°	26.1
80°	16.5
82.5°	11.0
85°	9.6
87.5°	5.5
90°	0.0

(END OF REPORT)