

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: P365565

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
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-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2496.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 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

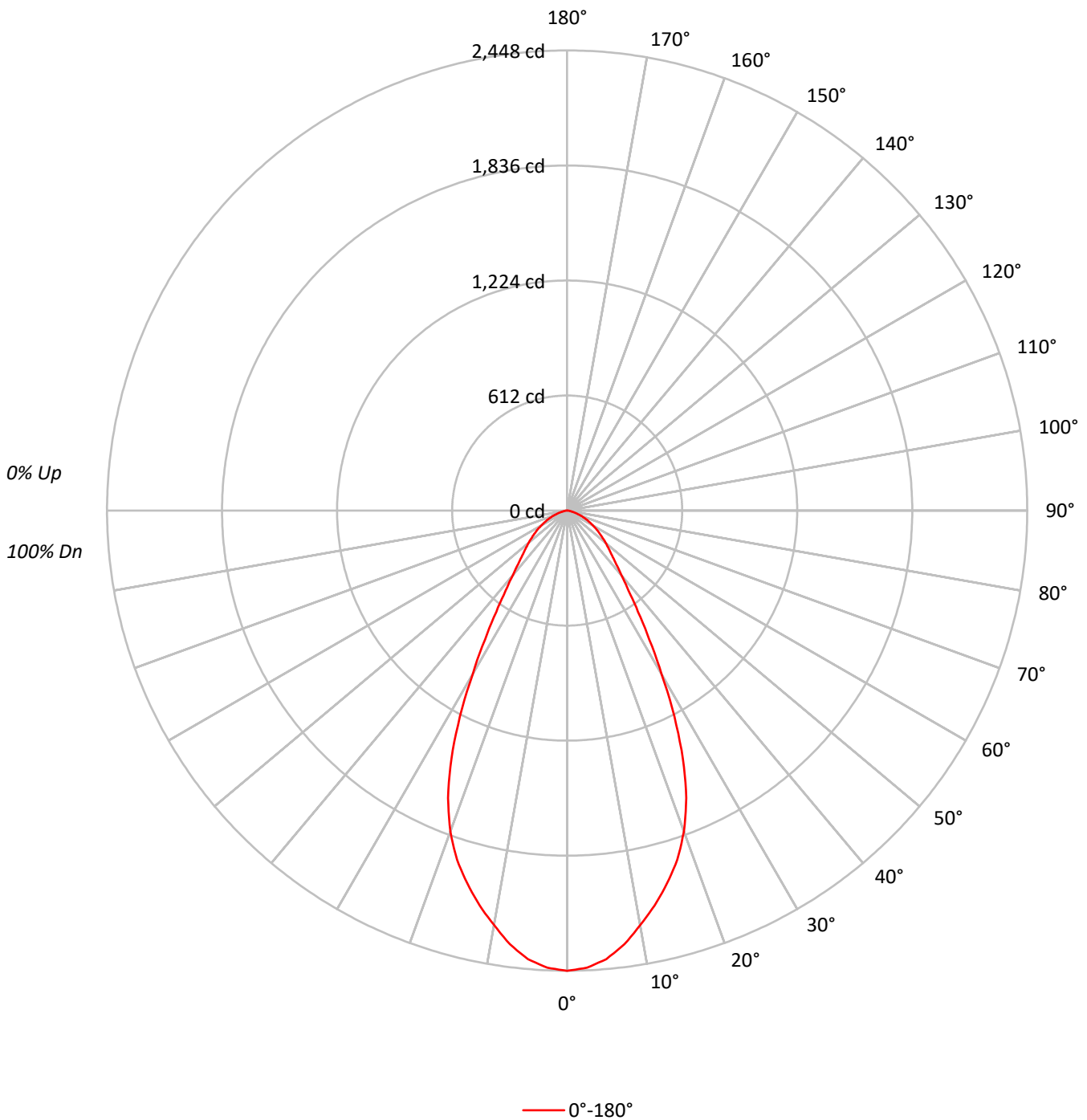
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	175310
5°	172141
10°	162797
15°	152236
20°	138397
25°	115196
30°	83158
35°	57463
40°	42015
45°	34135
50°	29731
55°	26128
60°	22726
65°	19280
70°	15576
75°	10872
80°	6969
85°	8051



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.6	9.0
10°-20°	573.8	23.0
20°-30°	655.4	26.3
30°-40°	422.7	16.9
40°-50°	265.4	10.6
50°-60°	188.3	7.5
60°-70°	113.4	4.5
70°-80°	43.8	1.8
80°-90°	9.5	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°	1452.8	58.2
0°-40°	1875.5	75.1
0°-60°	2329.2	93.3
0°-90°	2496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2496.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2448	
5°	2395	224
15°	2054	574
25°	1458	655
35°	657	423
45°	337	265
55°	209	188
65°	114	113
75°	39	44
85°	10	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2448.4
2.5°	2434.3
5°	2395.0
7.5°	2327.6
10°	2239.1
12.5°	2152.0
15°	2053.7
17.5°	1948.3
20°	1816.3
22.5°	1656.1
25°	1458.1
27.5°	1234.7
30°	1005.8
32.5°	813.3
35°	657.4
37.5°	536.6
40°	449.5
42.5°	386.3
45°	337.1
47.5°	299.2
50°	266.9
52.5°	237.4
55°	209.3
57.5°	184.0
60°	158.7
62.5°	136.3
65°	113.8
67.5°	92.7
70°	74.4
72.5°	54.8
75°	39.3
77.5°	26.7
80°	16.9
82.5°	11.2
85°	9.8
87.5°	5.6
90°	0.0

(END OF REPORT)