

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: P365527

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2073.1 lumens  
Efficiency: N/A  
Efficacy: 51.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

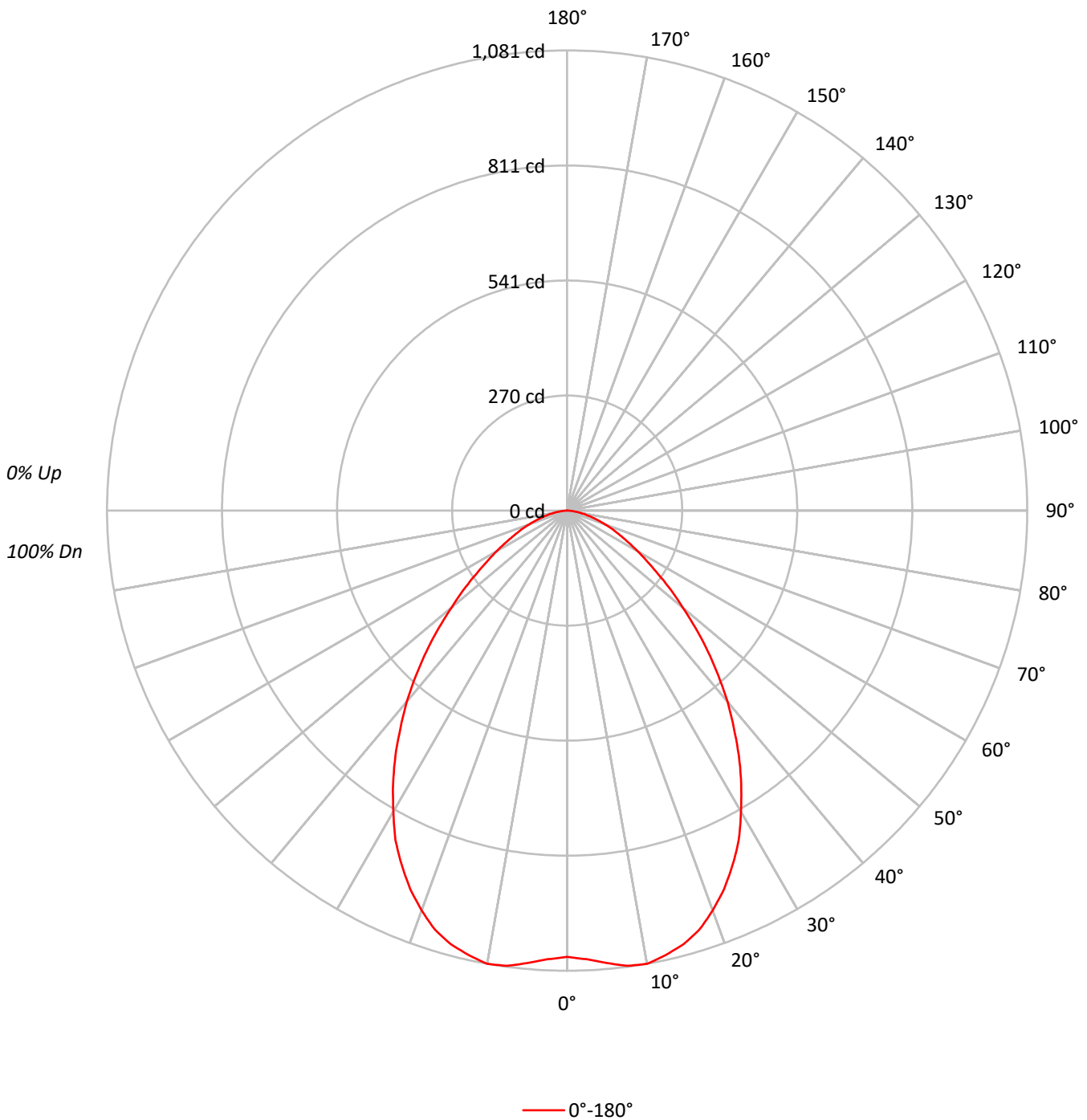
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	50	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

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

	0°
0°	75060
5°	76677
10°	78617
15°	78197
20°	76167
25°	72628
30°	67507
35°	61475
40°	54783
45°	47339
50°	39466
55°	32719
60°	27352
65°	23211
70°	19846
75°	16405
80°	13030
85°	9776



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.4	4.9
10°-20°	296.3	14.3
20°-30°	421.4	20.3
30°-40°	438.2	21.1
40°-50°	360.1	17.4
50°-60°	237.9	11.5
60°-70°	137.8	6.6
70°-80°	64.2	3.1
80°-90°	14.7	0.7
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°	820.1	39.6
0°-40°	1258.3	60.7
0°-60°	1856.3	89.5
0°-90°	2073.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2073.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1048	
5°	1067	102
15°	1055	296
25°	919	421
35°	703	438
45°	468	360
55°	262	238
65°	137	138
75°	59	64
85°	12	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1048.3
2.5°	1054.9
5°	1066.8
7.5°	1078.6
10°	1081.3
12.5°	1069.4
15°	1054.9
17.5°	1032.5
20°	999.6
22.5°	962.7
25°	919.3
27.5°	873.2
30°	816.5
32.5°	761.2
35°	703.3
37.5°	642.7
40°	586.1
42.5°	525.5
45°	467.5
47.5°	409.6
50°	354.3
52.5°	308.2
55°	262.1
57.5°	223.9
60°	191.0
62.5°	162.0
65°	137.0
67.5°	115.9
70°	94.8
72.5°	76.4
75°	59.3
77.5°	44.8
80°	31.6
82.5°	21.1
85°	11.9
87.5°	5.3
90°	0.0

(END OF REPORT)