

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: P365528

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365528  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)  
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-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2126.0 lumens  
Efficiency: N/A  
Efficacy: 52.4 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

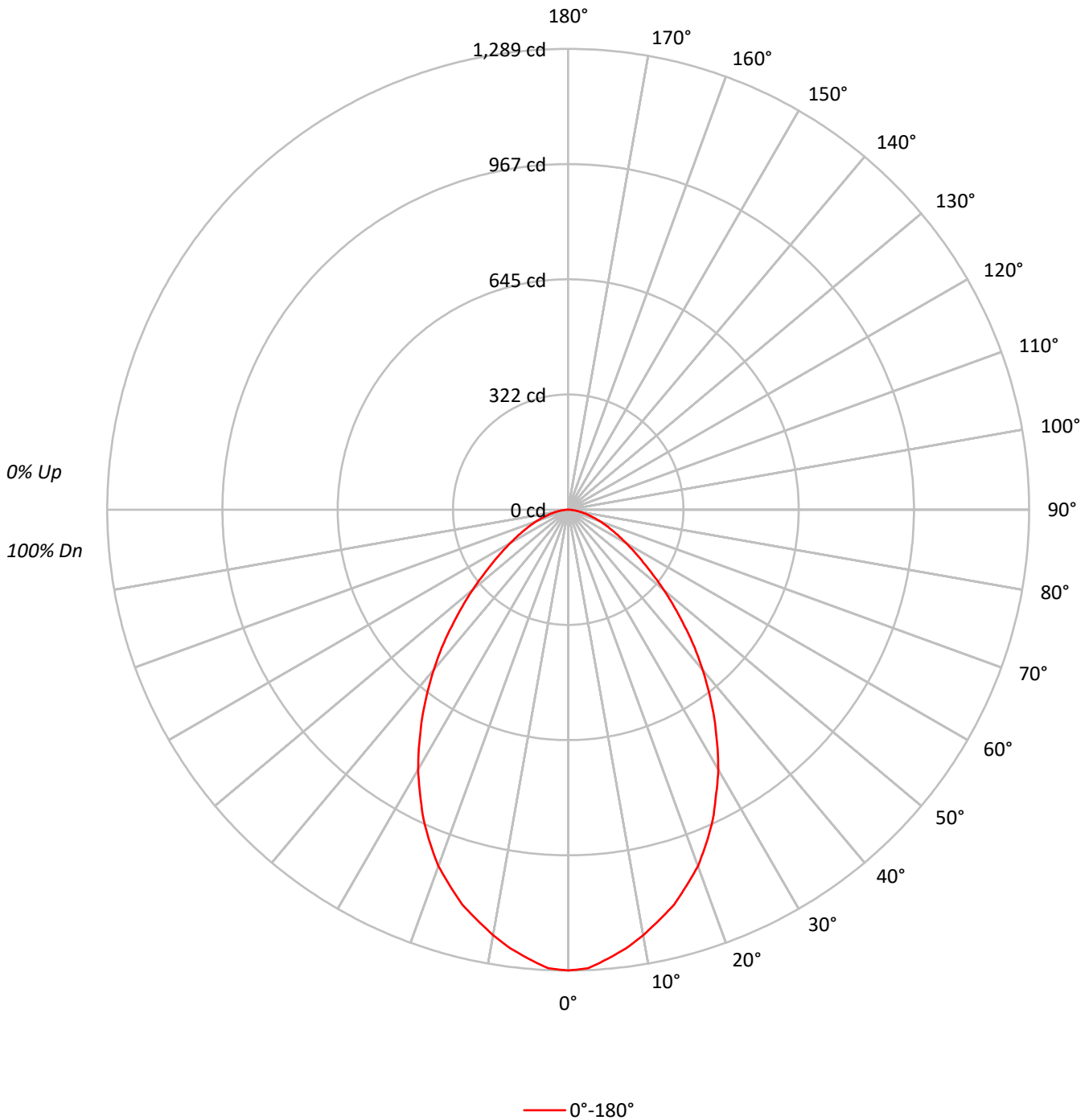
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

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

	0°
0°	92288
5°	90649
10°	87866
15°	84795
20°	80838
25°	75591
30°	69409
35°	62210
40°	54689
45°	46570
50°	38898
55°	31920
60°	26793
65°	22771
70°	19867
75°	16765
80°	13566
85°	10844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.8	5.6
10°-20°	320.7	15.1
20°-30°	438.2	20.6
30°-40°	444.1	20.9
40°-50°	356.1	16.7
50°-60°	232.0	10.9
60°-70°	135.5	6.4
70°-80°	65.1	3.1
80°-90°	15.6	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°	877.7	41.3
0°-40°	1321.7	62.2
0°-60°	1909.8	89.8
0°-90°	2126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2126.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1289	
5°	1261	119
15°	1144	321
25°	957	438
35°	712	444
45°	460	356
55°	256	232
65°	134	135
75°	61	65
85°	13	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1288.9
2.5°	1283.6
5°	1261.2
7.5°	1237.5
10°	1208.5
12.5°	1175.5
15°	1143.9
17.5°	1101.7
20°	1060.9
22.5°	1009.5
25°	956.8
27.5°	896.2
30°	839.5
32.5°	774.9
35°	711.7
37.5°	648.4
40°	585.1
42.5°	523.2
45°	459.9
47.5°	402.0
50°	349.2
52.5°	297.8
55°	255.7
57.5°	218.8
60°	187.1
62.5°	159.5
65°	134.4
67.5°	113.3
70°	94.9
72.5°	76.4
75°	60.6
77.5°	46.1
80°	32.9
82.5°	22.4
85°	13.2
87.5°	5.3
90°	0.0

(END OF REPORT)