

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: P366304

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366304  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
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-WMH-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3138.0 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

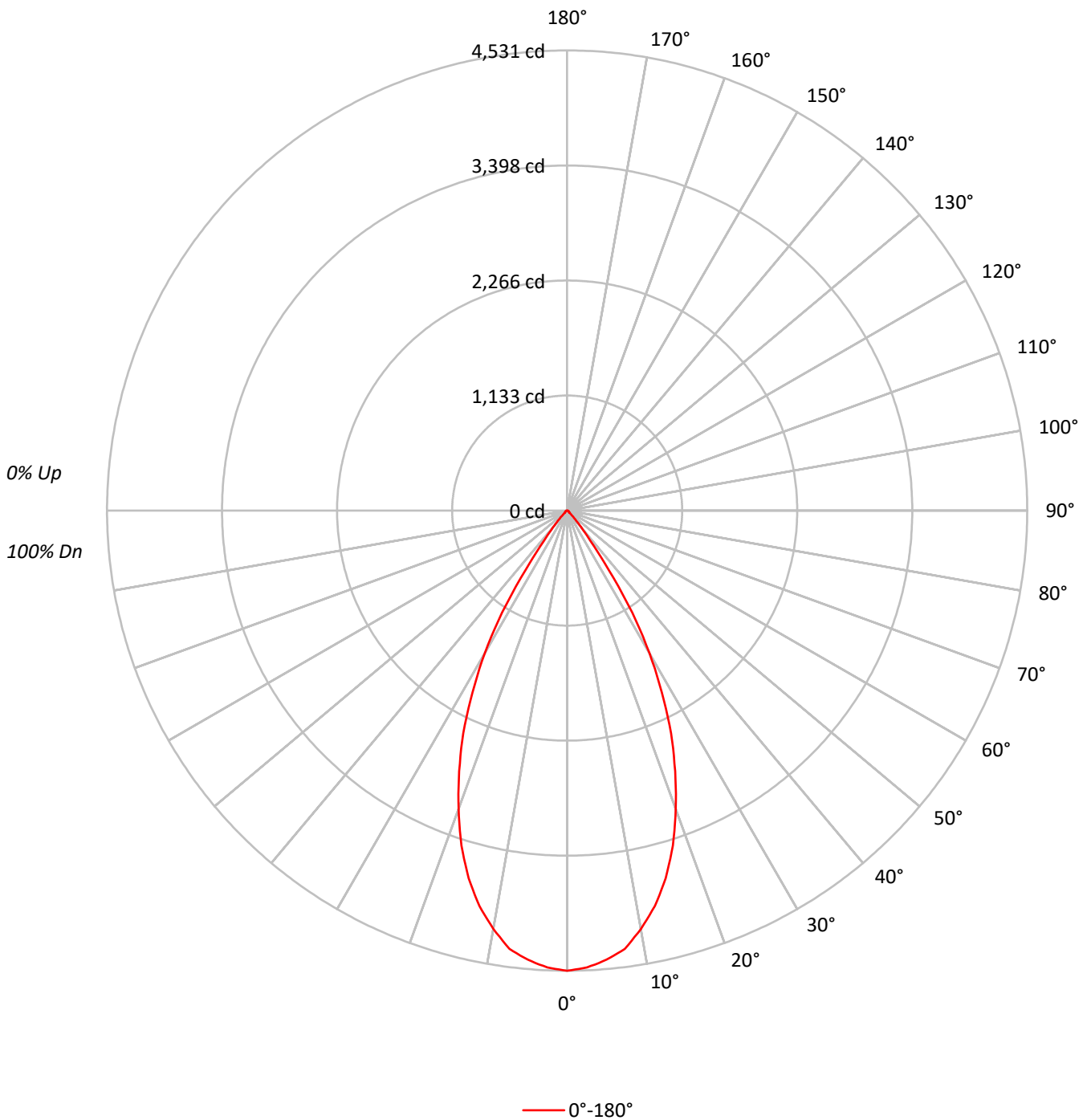
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

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

	0°
0°	324435
5°	319098
10°	304044
15°	277831
20°	238253
25°	191174
30°	134039
35°	61930
40°	19881
45°	6420
50°	2985
55°	2634
60°	2621
65°	2389
70°	2366
75°	2739
80°	3505
85°	5751



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.4	13.3
10°-20°	1037.1	33.1
20°-30°	1089.2	34.7
30°-40°	483.4	15.4
40°-50°	62.5	2.0
50°-60°	19.5	0.6
60°-70°	13.8	0.4
70°-80°	10.1	0.3
80°-90°	6.1	0.2
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°	2542.7	81.0
0°-40°	3026.1	96.4
0°-60°	3108.1	99.0
0°-90°	3138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3138.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4531	
5°	4440	416
15°	3748	1037
25°	2420	1089
35°	708	483
45°	63	62
55°	21	19
65°	14	14
75°	10	10
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4531.1
2.5°	4502.9
5°	4439.6
7.5°	4353.6
10°	4181.8
12.5°	3988.8
15°	3748.0
17.5°	3459.2
20°	3126.8
22.5°	2777.5
25°	2419.8
27.5°	2018.4
30°	1621.2
32.5°	1191.6
35°	708.5
37.5°	377.5
40°	212.7
42.5°	116.9
45°	63.4
47.5°	32.4
50°	26.8
52.5°	23.9
55°	21.1
57.5°	19.7
60°	18.3
62.5°	15.5
65°	14.1
67.5°	11.3
70°	11.3
72.5°	9.9
75°	9.9
77.5°	8.5
80°	8.5
82.5°	7.0
85°	7.0
87.5°	4.2
90°	0.0

(END OF REPORT)