

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: P366301

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)  
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-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3043.0 lumens  
Efficiency: N/A  
Efficacy: 75.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

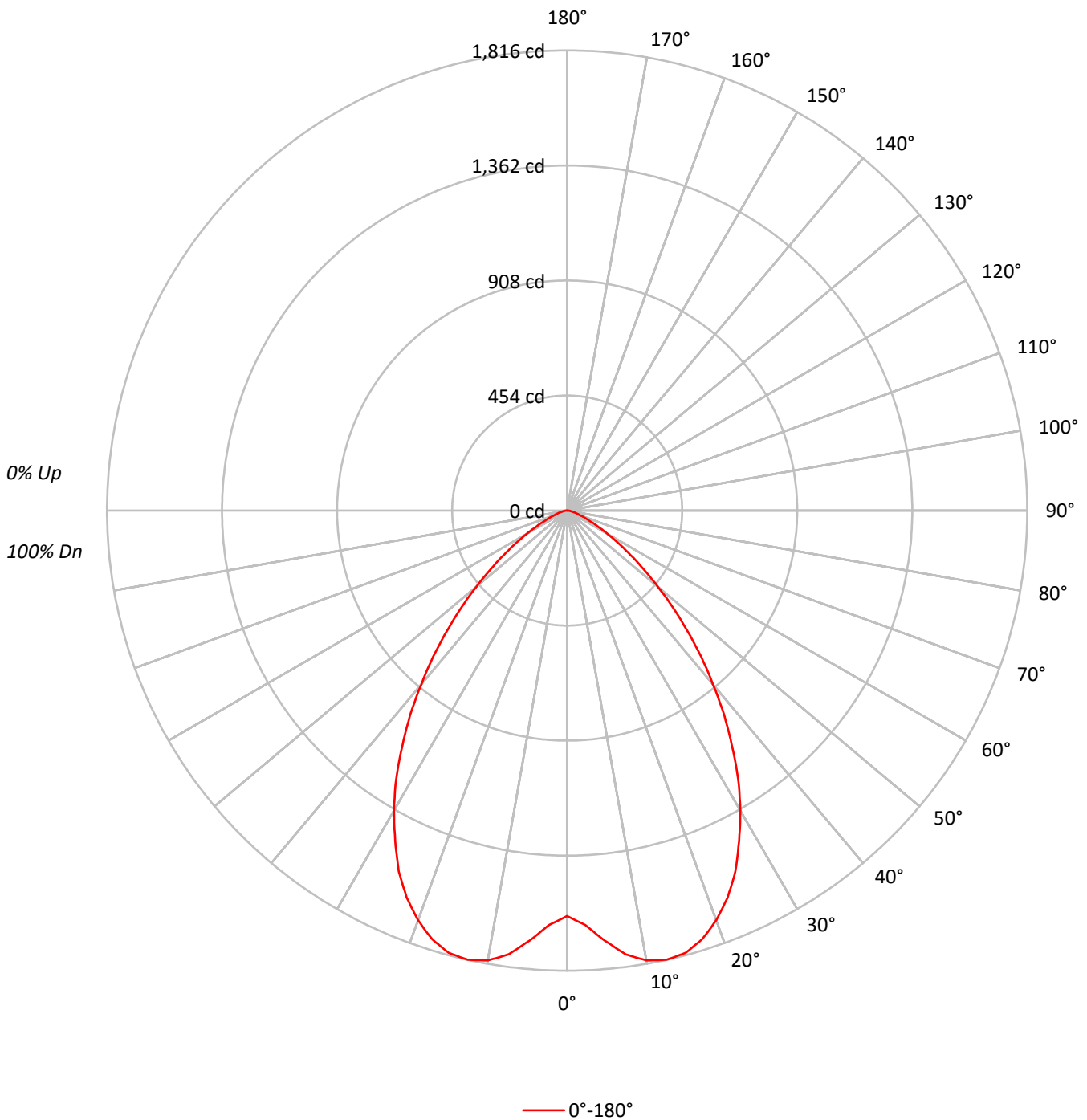
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°
0°	114549
5°	122432
10°	131075
15°	133949
20°	131089
25°	124147
30°	113022
35°	99140
40°	83721
45°	67703
50°	52176
55°	38099
60°	26221
65°	17315
70°	11284
75°	8244
80°	7010
85°	8133



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.8	5.4
10°-20°	506.0	16.6
20°-30°	717.0	23.6
30°-40°	707.2	23.2
40°-50°	518.3	17.0
50°-60°	277.9	9.1
60°-70°	106.8	3.5
70°-80°	34.0	1.1
80°-90°	10.0	0.3
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°	1388.8	45.6
0°-40°	2095.9	68.9
0°-60°	2892.1	95.0
0°-90°	3043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3043.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1600	
5°	1703	166
15°	1807	506
25°	1571	717
35°	1134	707
45°	669	518
55°	305	278
65°	102	107
75°	30	34
85°	10	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1599.8
2.5°	1636.7
5°	1703.4
7.5°	1765.9
10°	1802.8
12.5°	1815.5
15°	1807.0
17.5°	1773.0
20°	1720.4
22.5°	1653.7
25°	1571.4
27.5°	1469.2
30°	1367.0
32.5°	1256.3
35°	1134.2
37.5°	1017.8
40°	895.7
42.5°	783.6
45°	668.6
47.5°	566.4
50°	468.4
52.5°	380.4
55°	305.2
57.5°	238.5
60°	183.1
62.5°	137.7
65°	102.2
67.5°	75.2
70°	53.9
72.5°	41.2
75°	29.8
77.5°	22.7
80°	17.0
82.5°	12.8
85°	9.9
87.5°	5.7
90°	0.0

(END OF REPORT)