

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: P365606

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2724.0 lumens  
Efficiency: N/A  
Efficacy: 67.1 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

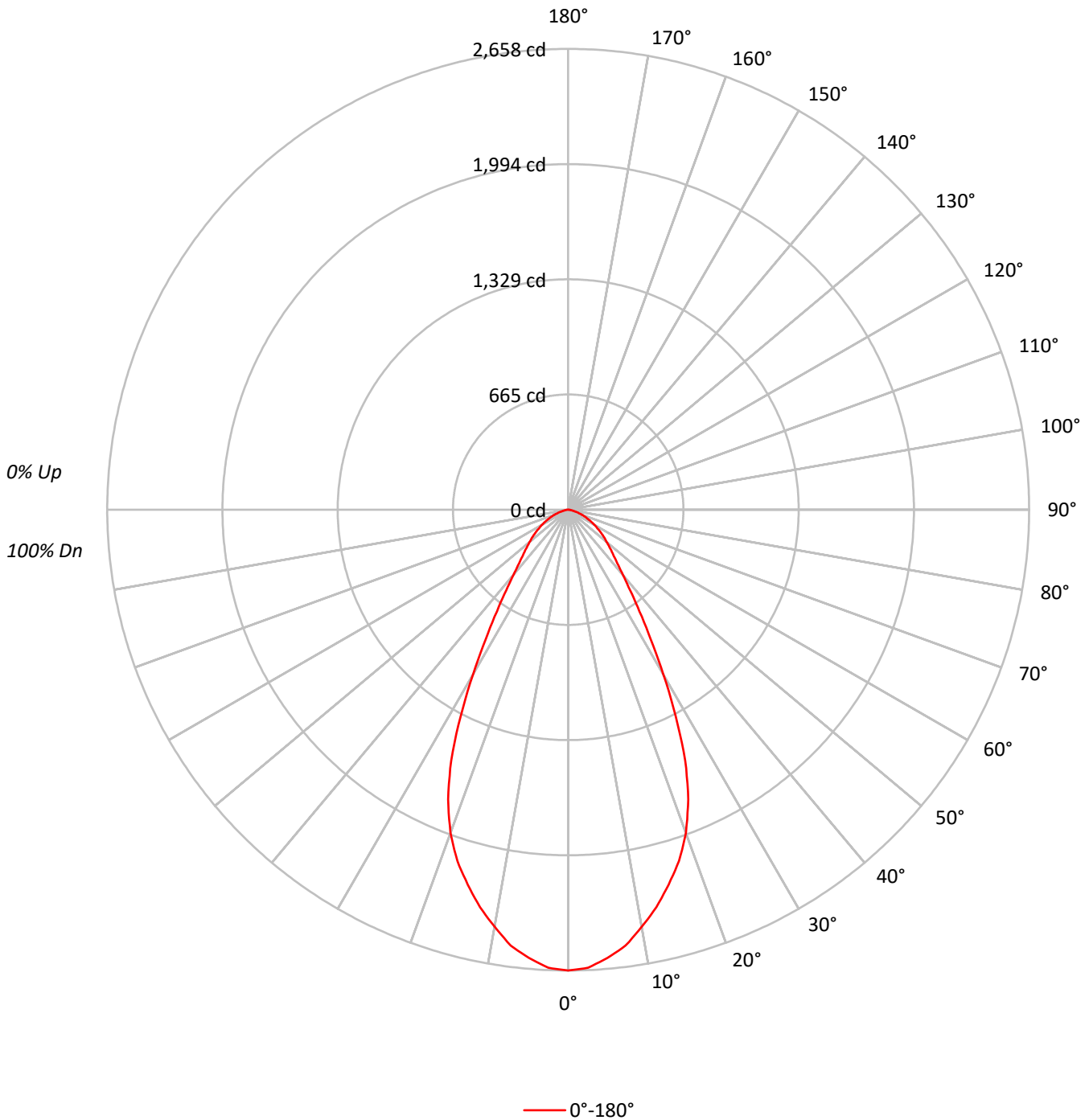
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		66	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	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	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°	190311
5°	186545
10°	177607
15°	165890
20°	151145
25°	126169
30°	90707
35°	62620
40°	45772
45°	37082
50°	32371
55°	28662
60°	24975
65°	21178
70°	17041
75°	12062
80°	8370
85°	9530



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.2	8.9
10°-20°	625.8	23.0
20°-30°	715.3	26.3
30°-40°	460.2	16.9
40°-50°	288.4	10.6
50°-60°	205.9	7.6
60°-70°	124.9	4.6
70°-80°	48.9	1.8
80°-90°	11.1	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°	1584.4	58.2
0°-40°	2044.6	75.1
0°-60°	2539.0	93.2
0°-90°	2724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2724.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2658	
5°	2595	243
15°	2238	626
25°	1597	715
35°	716	460
45°	366	288
55°	230	206
65°	125	125
75°	44	49
85°	12	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2657.9
2.5°	2644.8
5°	2595.4
7.5°	2535.8
10°	2442.8
12.5°	2348.3
15°	2237.9
17.5°	2124.5
20°	1983.6
22.5°	1809.2
25°	1597.0
27.5°	1341.3
30°	1097.1
32.5°	882.1
35°	716.4
37.5°	585.6
40°	489.7
42.5°	418.5
45°	366.2
47.5°	325.5
50°	290.6
52.5°	260.1
55°	229.6
57.5°	200.5
60°	174.4
62.5°	149.7
65°	125.0
67.5°	103.2
70°	81.4
72.5°	61.0
75°	43.6
77.5°	30.5
80°	20.3
82.5°	13.1
85°	11.6
87.5°	5.8
90°	0.0

(END OF REPORT)