

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: P365569

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365569  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-MW-BTR89BI  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2434.0 lumens  
Efficiency: N/A  
Efficacy: 60.0 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

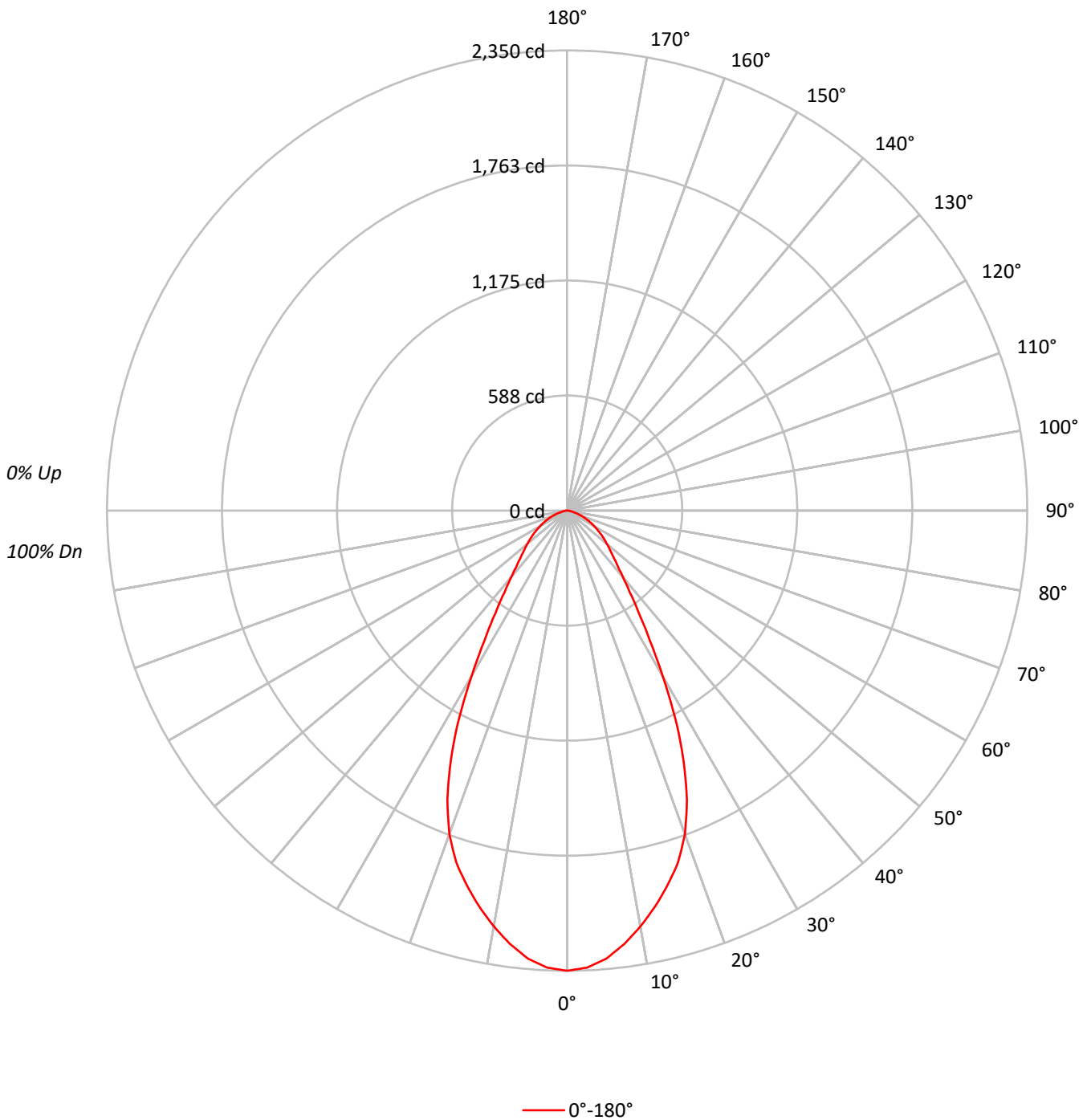
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

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

	0°
0°	168264
5°	165076
10°	156770
15°	146817
20°	134008
25°	111087
30°	80603
35°	55741
40°	41229
45°	33710
50°	29575
55°	26303
60°	22927
65°	19518
70°	15576
75°	11260
80°	8123
85°	9201



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.6	8.8
10°-20°	553.8	22.8
20°-30°	633.4	26.0
30°-40°	410.7	16.9
40°-50°	261.9	10.8
50°-60°	188.6	7.7
60°-70°	114.7	4.7
70°-80°	45.7	1.9
80°-90°	10.7	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°	1401.8	57.6
0°-40°	1812.5	74.5
0°-60°	2263.0	93.0
0°-90°	2434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2434.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2350	
5°	2297	215
15°	1981	554
25°	1406	633
35°	638	411
45°	333	262
55°	211	189
65°	115	115
75°	41	46
85°	11	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2350.0
2.5°	2336.0
5°	2296.7
7.5°	2232.0
10°	2156.2
12.5°	2071.9
15°	1980.6
17.5°	1883.7
20°	1758.7
22.5°	1598.5
25°	1406.1
27.5°	1195.4
30°	974.9
32.5°	785.2
35°	637.7
37.5°	525.4
40°	441.1
42.5°	379.3
45°	332.9
47.5°	296.4
50°	265.5
52.5°	237.4
55°	210.7
57.5°	184.0
60°	160.1
62.5°	137.7
65°	115.2
67.5°	94.1
70°	74.4
72.5°	57.6
75°	40.7
77.5°	28.1
80°	19.7
82.5°	12.6
85°	11.2
87.5°	5.6
90°	0.0

(END OF REPORT)