

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: P365526

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)  
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-BTR80  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2284.0 lumens  
Efficiency: N/A  
Efficacy: 56.3 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

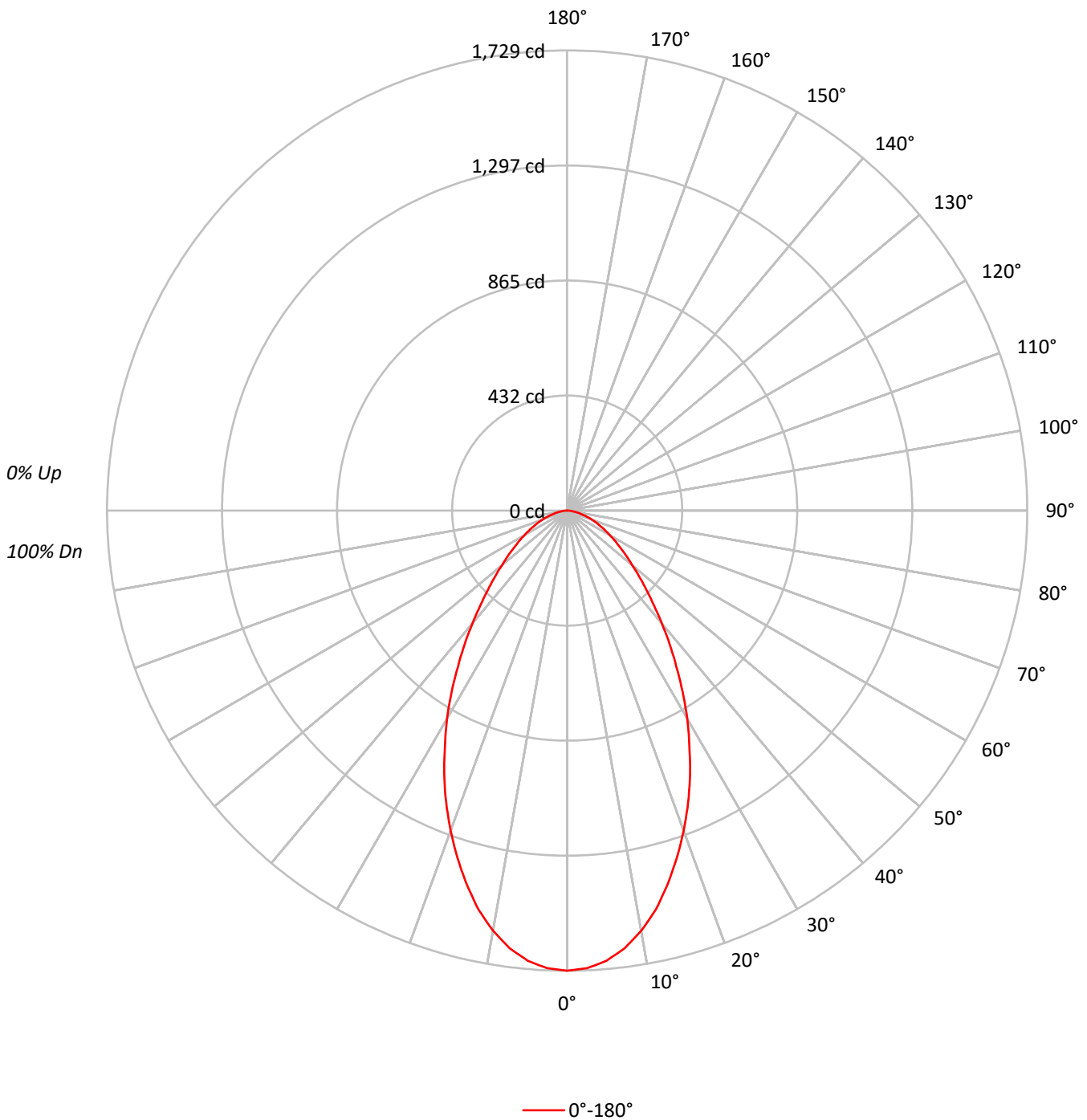
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	123800
5°	122001
10°	116519
15°	107863
20°	97532
25°	86351
30°	74576
35°	62498
40°	51698
45°	42671
50°	35646
55°	30572
60°	26593
65°	23431
70°	20391
75°	17125
80°	14102
85°	10844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.0	7.0
10°-20°	406.5	17.8
20°-30°	500.0	21.9
30°-40°	448.3	19.6
40°-50°	328.1	14.4
50°-60°	221.8	9.7
60°-70°	137.9	6.0
70°-80°	66.6	2.9
80°-90°	15.8	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°	1065.6	46.7
0°-40°	1513.9	66.3
0°-60°	2063.8	90.4
0°-90°	2284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2284.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1729	
5°	1697	159
15°	1455	406
25°	1093	500
35°	715	448
45°	421	328
55°	245	222
65°	138	138
75°	62	67
85°	13	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1729.0
2.5°	1721.1
5°	1697.4
7.5°	1657.9
10°	1602.6
12.5°	1536.7
15°	1455.1
17.5°	1369.5
20°	1280.0
22.5°	1187.8
25°	1093.0
27.5°	994.2
30°	902.0
32.5°	807.2
35°	715.0
37.5°	632.1
40°	553.1
42.5°	482.0
45°	421.4
47.5°	367.4
50°	320.0
52.5°	281.8
55°	244.9
57.5°	214.6
60°	185.7
62.5°	160.7
65°	138.3
67.5°	117.2
70°	97.4
72.5°	79.0
75°	61.9
77.5°	46.1
80°	34.2
82.5°	22.4
85°	13.2
87.5°	5.3
90°	0.0

(END OF REPORT)