

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: P365529

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365529  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
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-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 4000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2341.0 lumens  
Efficiency: N/A  
Efficacy: 57.7 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

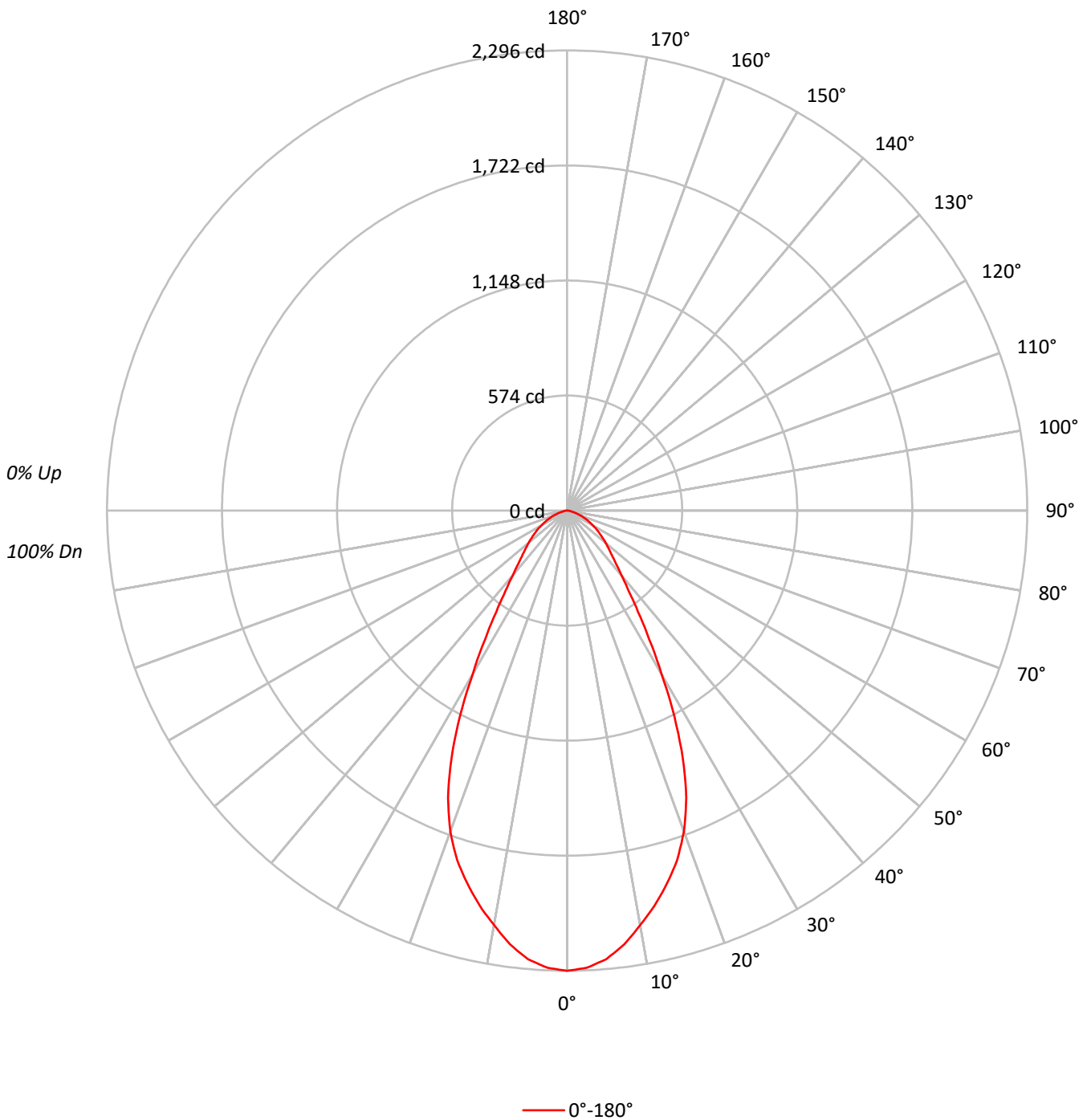
Input Watts (W): 40.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365529

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR84

### Luminous Intensity Polar Plot





TEST NUMBER: P365529

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR84

**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	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	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	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	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°	164419
5°	161454
10°	152683
15°	142777
20°	129802
25°	108038
30°	77991
35°	53897
40°	39407
45°	32019
50°	27882
55°	24505
60°	21323
65°	18078
70°	14613
75°	10208
80°	6515
85°	7558



TEST NUMBER: P365529

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR84

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.7	9.0
10°-20°	538.2	23.0
20°-30°	614.7	26.3
30°-40°	396.5	16.9
40°-50°	249.0	10.6
50°-60°	176.6	7.5
60°-70°	106.4	4.5
70°-80°	41.1	1.8
80°-90°	9.0	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°	1362.5	58.2
0°-40°	1759.0	75.1
0°-60°	2184.6	93.3
0°-90°	2341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2296	
5°	2246	210
15°	1926	538
25°	1368	615
35°	617	396
45°	316	249
55°	196	177
65°	107	106
75°	37	41
85°	9	9
90°	0	



TEST NUMBER: P365529

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BTR84

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2296.3
2.5°	2283.2
5°	2246.3
7.5°	2183.0
10°	2100.0
12.5°	2018.4
15°	1926.1
17.5°	1827.3
20°	1703.5
22.5°	1553.3
25°	1367.5
27.5°	1158.1
30°	943.3
32.5°	762.8
35°	616.6
37.5°	503.3
40°	421.6
42.5°	362.3
45°	316.2
47.5°	280.6
50°	250.3
52.5°	222.7
55°	196.3
57.5°	172.6
60°	148.9
62.5°	127.8
65°	106.7
67.5°	87.0
70°	69.8
72.5°	51.4
75°	36.9
77.5°	25.0
80°	15.8
82.5°	10.5
85°	9.2
87.5°	5.3
90°	0.0

(END OF REPORT)