

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: P365498

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365498  
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: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1893.9 lumens  
Efficiency: N/A  
Efficacy: 70.1 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

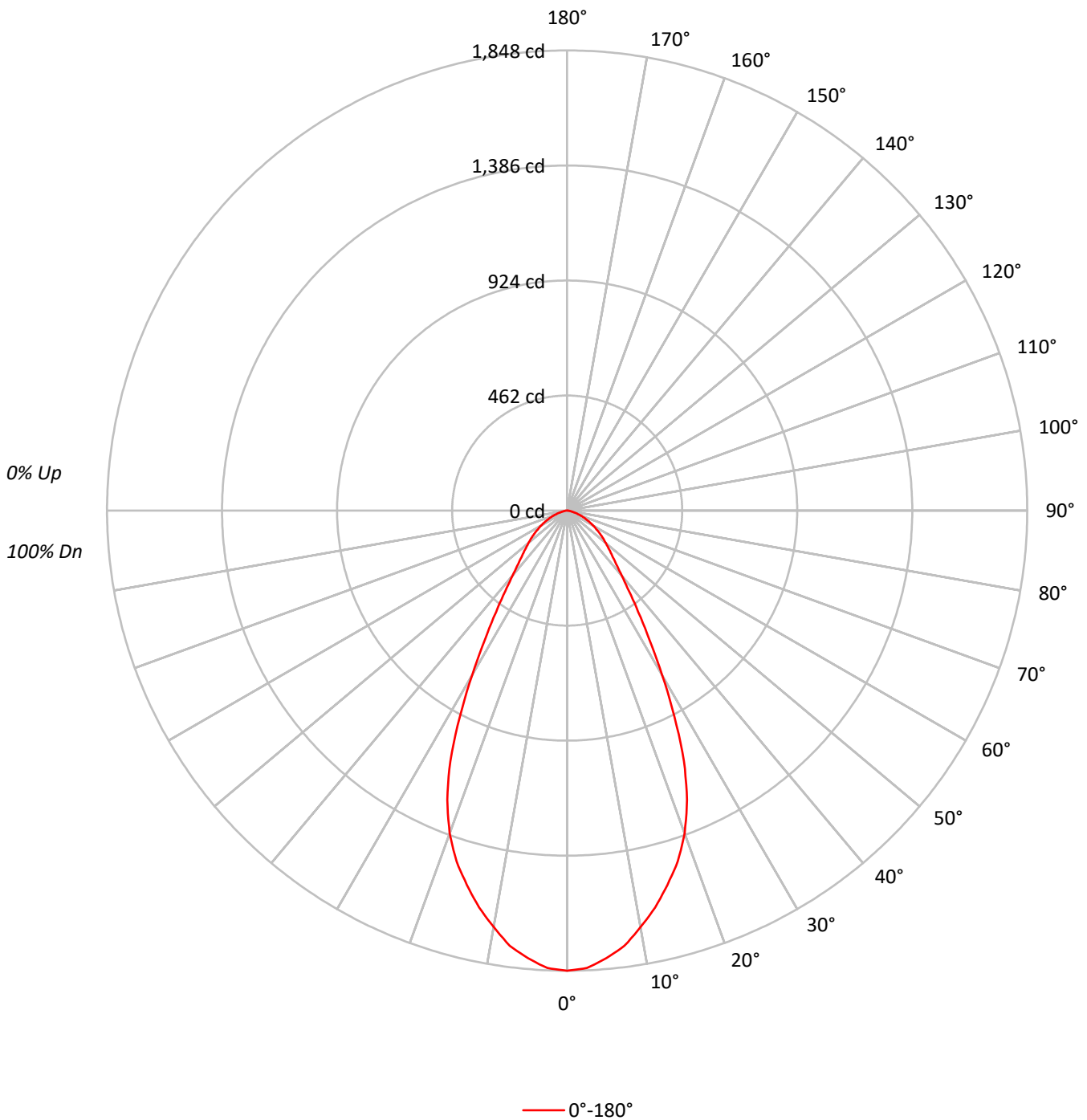
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P365498

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR89BV

### Luminous Intensity Polar Plot





TEST NUMBER: P365498

CATALOG NUMBER: FLD6BX30D010-FEUGB35-8040-F6LBXVM1-MW-BTR89BV

**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°	132320
5°	129706
10°	123492
15°	115343
20°	105091
25°	87726
30°	63067
35°	43539
40°	31826
45°	25781
50°	22512
55°	19924
60°	17356
65°	14723
70°	11849
75°	8382
80°	5814
85°	6654



TEST NUMBER: P365498

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR89BV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.1	8.9
10°-20°	435.2	23.0
20°-30°	497.4	26.3
30°-40°	320.0	16.9
40°-50°	200.5	10.6
50°-60°	143.2	7.6
60°-70°	86.8	4.6
70°-80°	34.0	1.8
80°-90°	7.7	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°	1101.6	58.2
0°-40°	1421.6	75.1
0°-60°	1765.4	93.2
0°-90°	1893.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1893.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1848	
5°	1805	169
15°	1556	435
25°	1110	497
35°	498	320
45°	255	201
55°	160	143
65°	87	87
75°	30	34
85°	8	8
90°	0	



TEST NUMBER: P365498

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR89BV

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1848.0
2.5°	1838.9
5°	1804.6
7.5°	1763.1
10°	1698.5
12.5°	1632.8
15°	1556.0
17.5°	1477.2
20°	1379.2
22.5°	1257.9
25°	1110.4
27.5°	932.6
30°	762.8
32.5°	613.3
35°	498.1
37.5°	407.2
40°	340.5
42.5°	291.0
45°	254.6
47.5°	226.3
50°	202.1
52.5°	180.9
55°	159.6
57.5°	139.4
60°	121.2
62.5°	104.1
65°	86.9
67.5°	71.7
70°	56.6
72.5°	42.4
75°	30.3
77.5°	21.2
80°	14.1
82.5°	9.1
85°	8.1
87.5°	4.0
90°	0.0

(END OF REPORT)