

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: P365506

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BL89BV  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2508.0 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

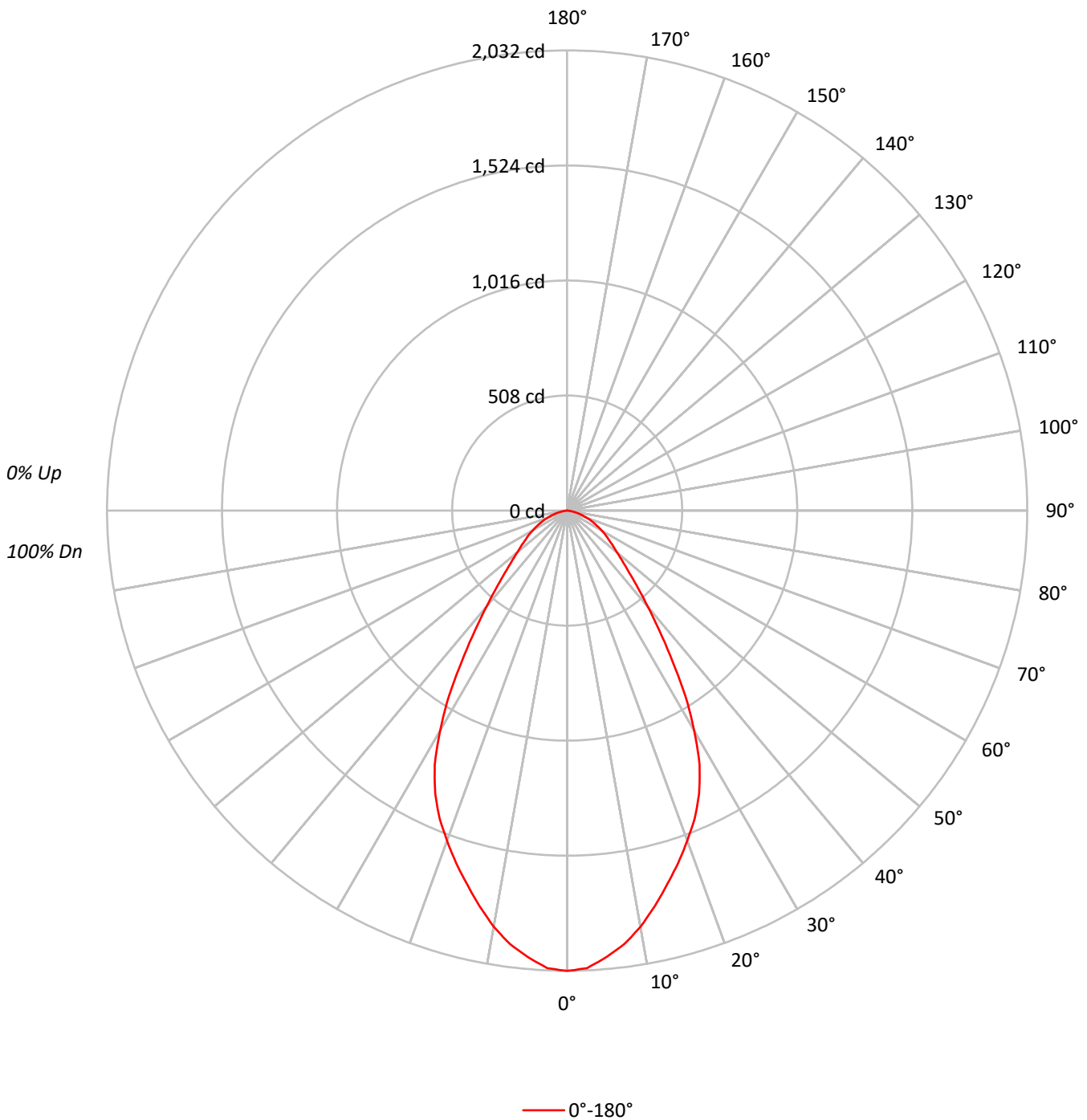
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	55518
5°	54283
10°	51751
15°	48312
20°	45085
25°	41565
30°	35402
35°	26930
40°	19715
45°	15000
50°	12188
55°	10701
60°	9615
65°	8499
70°	7196
75°	5678
80°	3901
85°	1630



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.5	7.4
10°-20°	479.9	19.1
20°-30°	625.3	24.9
30°-40°	509.1	20.3
40°-50°	307.0	12.2
50°-60°	203.5	8.1
60°-70°	130.6	5.2
70°-80°	58.2	2.3
80°-90°	8.7	0.3
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°	1290.7	51.5
0°-40°	1799.9	71.8
0°-60°	2310.4	92.1
0°-90°	2508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2032	
5°	1980	186
15°	1708	480
25°	1379	625
35°	808	509
45°	388	307
55°	225	204
65°	132	131
75°	54	58
85°	5	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2032.5
2.5°	2022.1
5°	1979.7
7.5°	1931.0
10°	1865.8
12.5°	1788.1
15°	1708.4
17.5°	1630.7
20°	1551.0
22.5°	1471.3
25°	1379.1
27.5°	1266.3
30°	1122.4
32.5°	972.2
35°	807.6
37.5°	669.9
40°	552.9
42.5°	460.7
45°	388.3
47.5°	331.3
50°	286.8
52.5°	254.7
55°	224.7
57.5°	200.9
60°	176.0
62.5°	153.2
65°	131.5
67.5°	110.8
70°	90.1
72.5°	71.4
75°	53.8
77.5°	38.3
80°	24.8
82.5°	13.5
85°	5.2
87.5°	1.0
90°	0.0

(END OF REPORT)