

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: P365440

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365440  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR85  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1654.0 lumens  
Efficiency: N/A  
Efficacy: 61.3 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

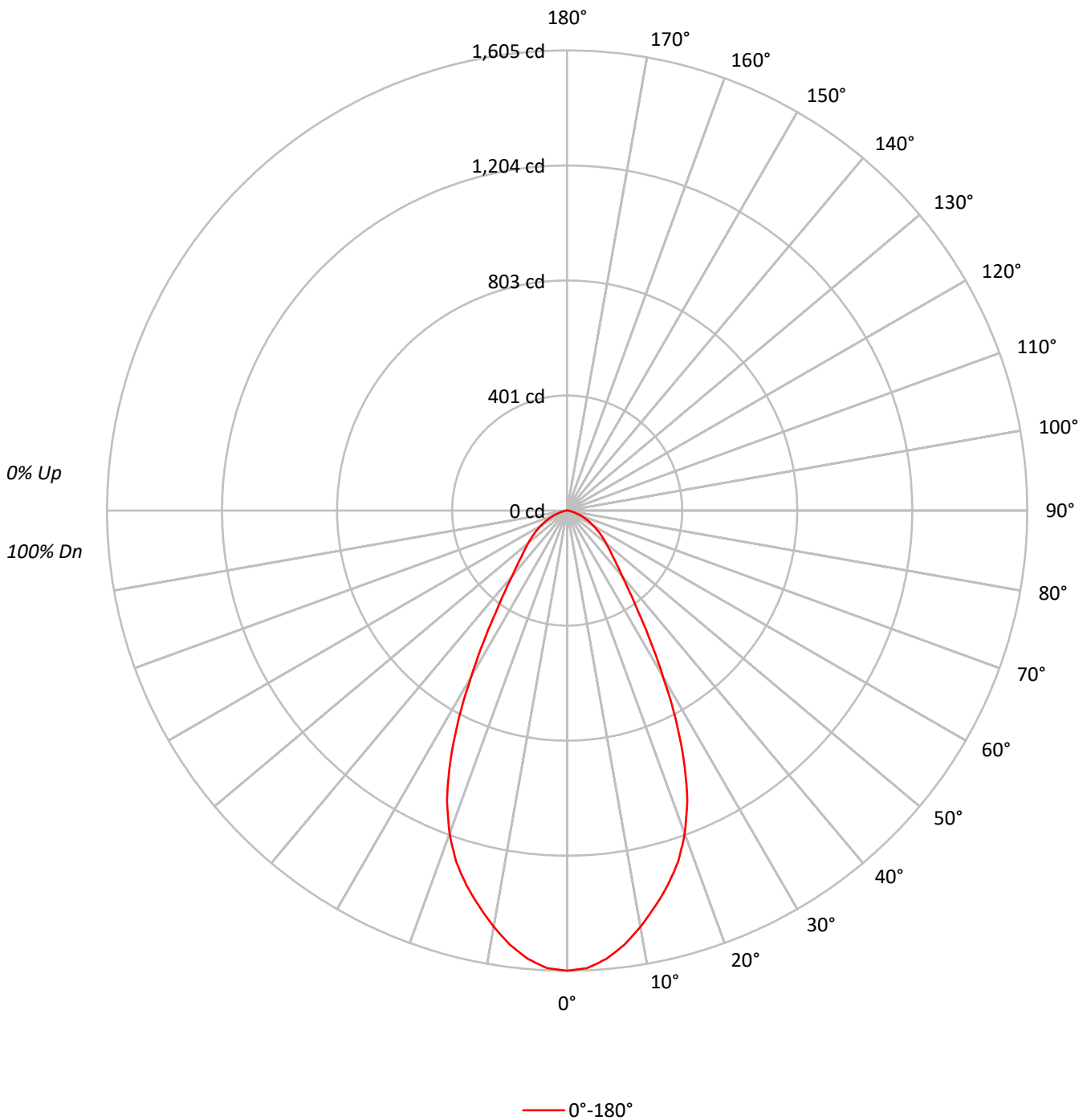
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	73	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	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	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	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

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

	0°
0°	114928
5°	112808
10°	107155
15°	100354
20°	91368
25°	76215
30°	55271
35°	38023
40°	27957
45°	22692
50°	19739
55°	17439
60°	15165
65°	12859
70°	10405
75°	7525
80°	5031
85°	5422



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.8	8.9
10°-20°	378.1	22.9
20°-30°	433.9	26.2
30°-40°	280.8	17.0
40°-50°	176.5	10.7
50°-60°	125.5	7.6
60°-70°	75.7	4.6
70°-80°	30.1	1.8
80°-90°	6.5	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°	958.8	58.0
0°-40°	1239.7	74.9
0°-60°	1541.7	93.2
0°-90°	1654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1654.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1605	
5°	1570	147
15°	1354	378
25°	965	434
35°	435	281
45°	224	176
55°	140	126
65°	76	76
75°	27	30
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1605.1
2.5°	1597.6
5°	1569.5
7.5°	1527.3
10°	1473.8
12.5°	1414.8
15°	1353.8
17.5°	1285.4
20°	1199.1
22.5°	1095.1
25°	964.7
27.5°	819.4
30°	668.5
32.5°	541.0
35°	435.0
37.5°	357.2
40°	299.1
42.5°	256.9
45°	224.1
47.5°	198.8
50°	177.2
52.5°	158.4
55°	139.7
57.5°	122.8
60°	105.9
62.5°	90.9
65°	75.9
67.5°	61.9
70°	49.7
72.5°	37.5
75°	27.2
77.5°	18.8
80°	12.2
82.5°	7.5
85°	6.6
87.5°	3.8
90°	0.0

(END OF REPORT)