

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: P365449

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365449  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BL86  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2220.0 lumens  
Efficiency: N/A  
Efficacy: 82.2 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

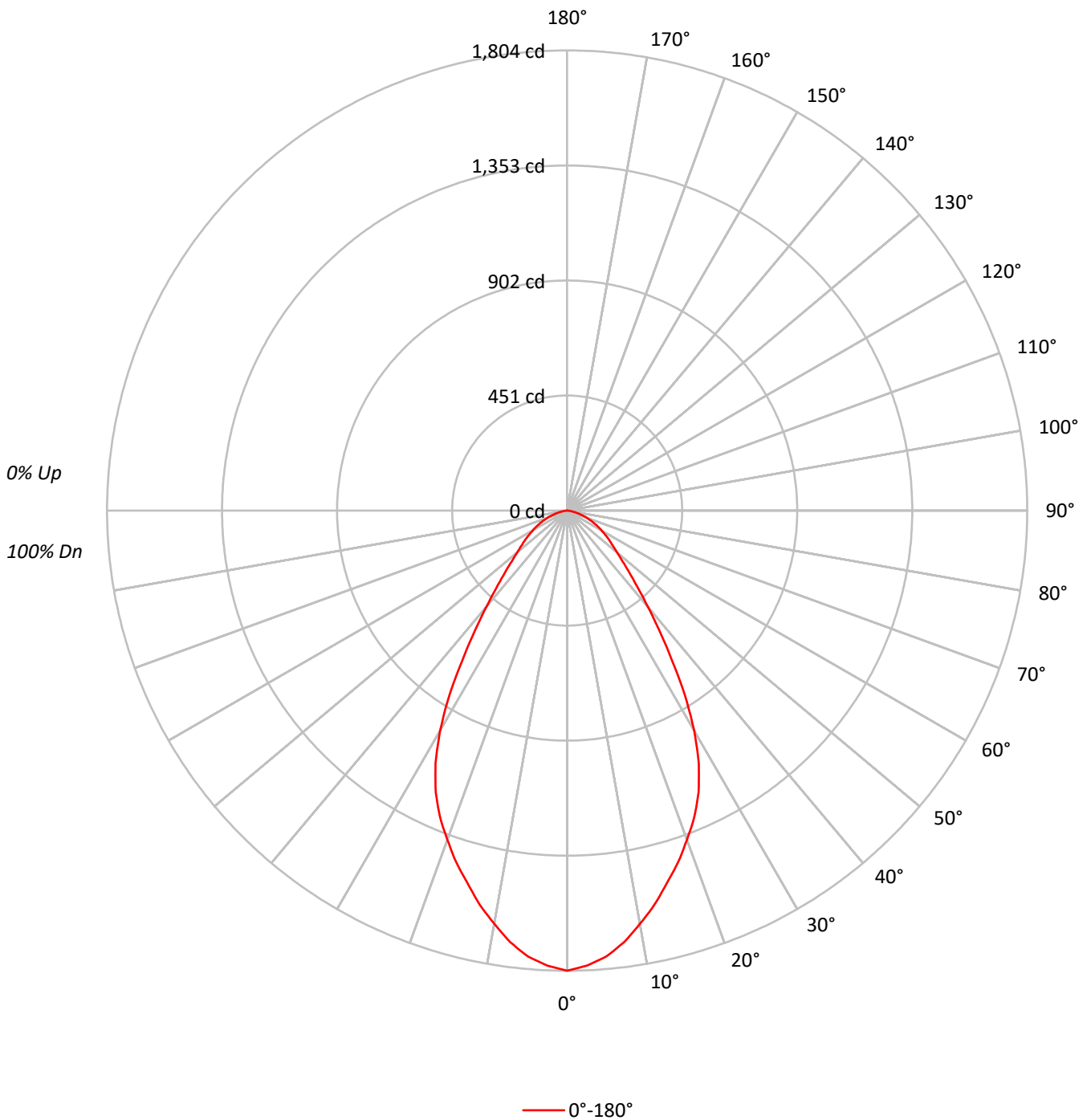
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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		83	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°	49271
5°	48116
10°	45630
15°	42724
20°	39902
25°	36733
30°	31399
35°	23882
40°	17504
45°	13323
50°	10866
55°	9567
60°	8511
65°	7472
70°	6341
75°	4960
80°	3398
85°	1536



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.0	7.4
10°-20°	424.7	19.1
20°-30°	552.9	24.9
30°-40°	451.2	20.3
40°-50°	272.8	12.3
50°-60°	180.7	8.1
60°-70°	115.0	5.2
70°-80°	51.0	2.3
80°-90°	7.7	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°	1141.6	51.4
0°-40°	1592.9	71.7
0°-60°	2046.3	92.2
0°-90°	2220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2220.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1804	
5°	1755	164
15°	1511	425
25°	1219	553
35°	716	451
45°	345	273
55°	201	181
65°	116	115
75°	47	51
85°	5	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1803.8
2.5°	1785.2
5°	1754.8
7.5°	1706.8
10°	1645.1
12.5°	1582.3
15°	1510.8
17.5°	1446.2
20°	1372.7
22.5°	1302.1
25°	1218.8
27.5°	1117.0
30°	995.5
32.5°	859.3
35°	716.2
37.5°	594.7
40°	490.9
42.5°	408.6
45°	344.9
47.5°	294.9
50°	255.7
52.5°	225.3
55°	200.9
57.5°	177.3
60°	155.8
62.5°	135.2
65°	115.6
67.5°	97.0
70°	79.4
72.5°	62.7
75°	47.0
77.5°	33.3
80°	21.6
82.5°	11.8
85°	4.9
87.5°	1.0
90°	0.0

(END OF REPORT)