

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: P365437

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)  
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-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1476.0 lumens  
Efficiency: N/A  
Efficacy: 54.7 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

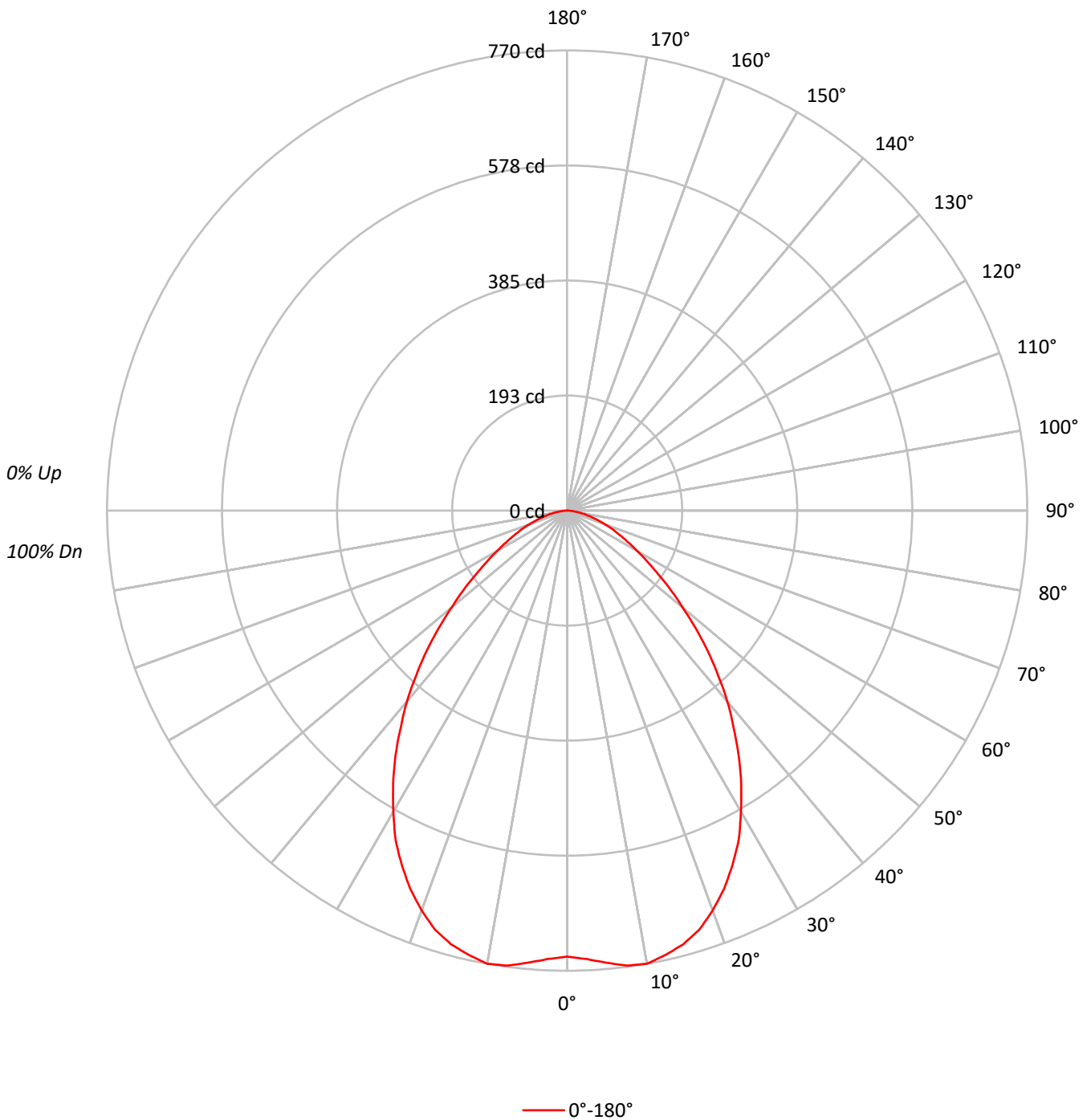
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

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

	0°
0°	53444
5°	54589
10°	55977
15°	55677
20°	54229
25°	51708
30°	48069
35°	43766
40°	39005
45°	33710
50°	28093
55°	23294
60°	19476
65°	16519
70°	14131
75°	11675
80°	9278
85°	6901



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.9	4.9
10°-20°	211.0	14.3
20°-30°	300.1	20.3
30°-40°	312.0	21.1
40°-50°	256.4	17.4
50°-60°	169.3	11.5
60°-70°	98.1	6.6
70°-80°	45.7	3.1
80°-90°	10.5	0.7
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°	583.9	39.6
0°-40°	895.9	60.7
0°-60°	1321.7	89.5
0°-90°	1476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	746	
5°	760	73
15°	751	211
25°	654	300
35°	501	312
45°	333	256
55°	187	169
65°	98	98
75°	42	46
85°	8	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	746.4
2.5°	751.1
5°	759.5
7.5°	768.0
10°	769.9
12.5°	761.4
15°	751.1
17.5°	735.2
20°	711.7
22.5°	685.5
25°	654.5
27.5°	621.7
30°	581.4
32.5°	542.0
35°	500.7
37.5°	457.6
40°	417.3
42.5°	374.1
45°	332.9
47.5°	291.6
50°	252.2
52.5°	219.4
55°	186.6
57.5°	159.4
60°	136.0
62.5°	115.3
65°	97.5
67.5°	82.5
70°	67.5
72.5°	54.4
75°	42.2
77.5°	31.9
80°	22.5
82.5°	15.0
85°	8.4
87.5°	3.8
90°	0.0

(END OF REPORT)