

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: P365293

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365293  
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: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BTR81  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 785.0 lumens  
Efficiency: N/A  
Efficacy: 55.3 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

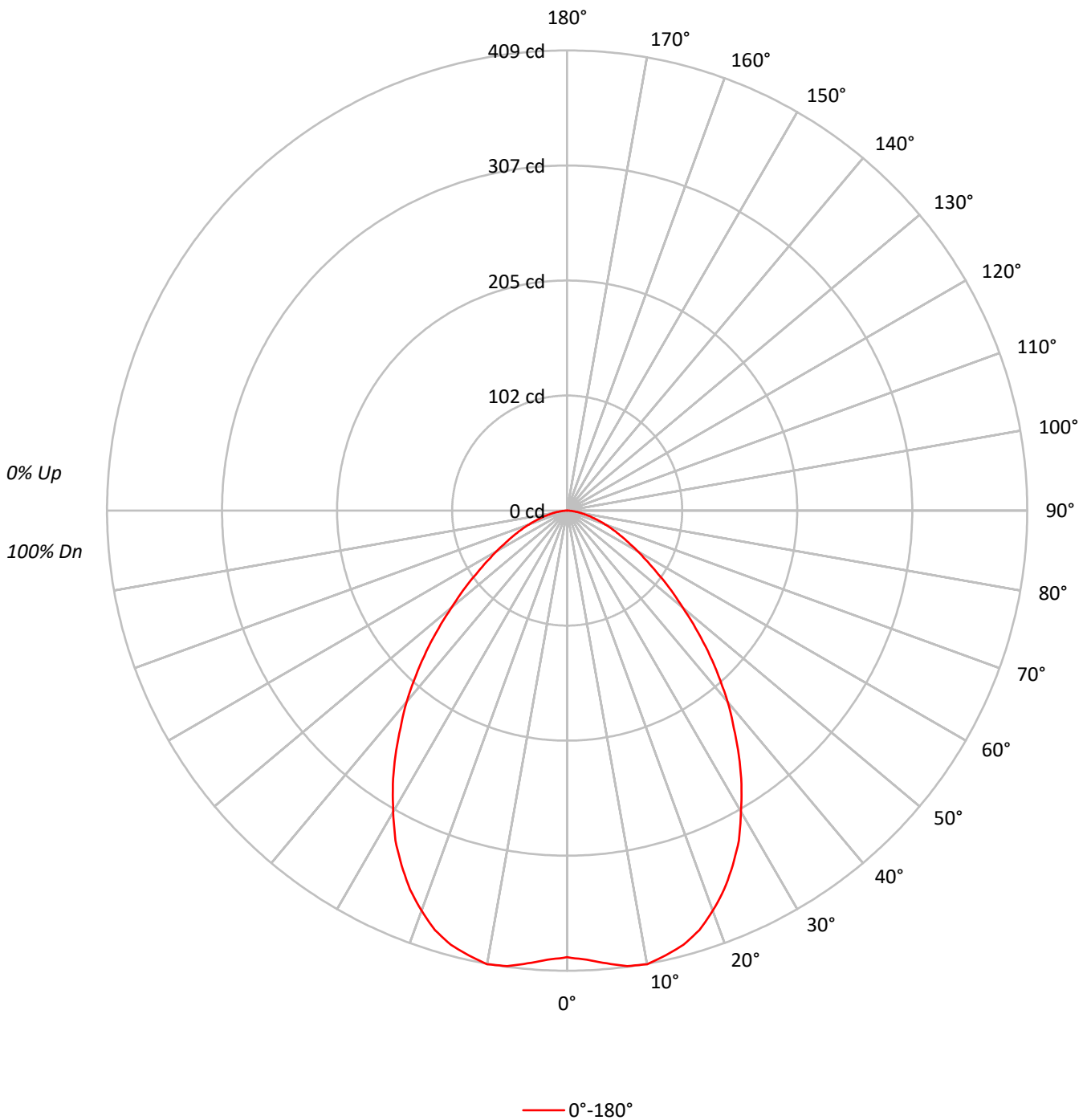
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	28426
5°	29038
10°	29766
15°	29614
20°	28841
25°	27501
30°	25564
35°	23277
40°	20741
45°	17923
50°	14949
55°	12384
60°	10354
65°	8793
70°	7516
75°	6197
80°	4948
85°	3697



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.8	4.9
10°-20°	112.2	14.3
20°-30°	159.6	20.3
30°-40°	165.9	21.1
40°-50°	136.4	17.4
50°-60°	90.1	11.5
60°-70°	52.2	6.6
70°-80°	24.3	3.1
80°-90°	5.6	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°	310.6	39.6
0°-40°	476.5	60.7
0°-60°	702.9	89.5
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	397	
5°	404	39
15°	400	112
25°	348	160
35°	266	166
45°	177	136
55°	99	90
65°	52	52
75°	22	24
85°	4	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	397.0
2.5°	399.5
5°	404.0
7.5°	408.4
10°	409.4
12.5°	405.0
15°	399.5
17.5°	391.0
20°	378.5
22.5°	364.6
25°	348.1
27.5°	330.6
30°	309.2
32.5°	288.3
35°	266.3
37.5°	243.4
40°	221.9
42.5°	199.0
45°	177.0
47.5°	155.1
50°	134.2
52.5°	116.7
55°	99.2
57.5°	84.8
60°	72.3
62.5°	61.3
65°	51.9
67.5°	43.9
70°	35.9
72.5°	28.9
75°	22.4
77.5°	17.0
80°	12.0
82.5°	8.0
85°	4.5
87.5°	2.0
90°	0.0

(END OF REPORT)