

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: P365268

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1121.0 lumens
Efficiency: N/A
Efficacy: 78.9 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

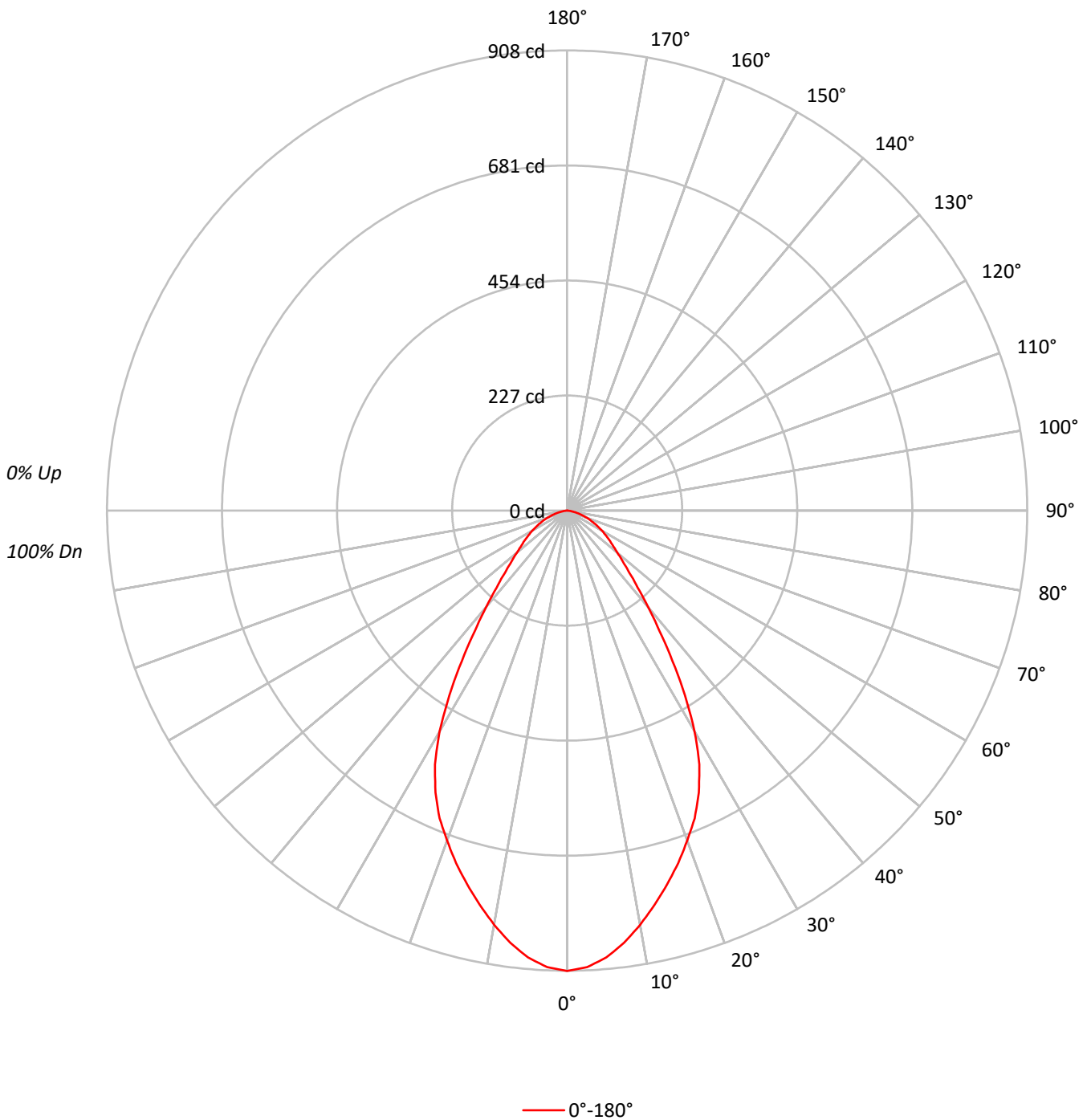
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		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	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	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	63	57	52	62	56	51		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°	24816
5°	24266
10°	23016
15°	21574
20°	20130
25°	18514
30°	15862
35°	12075
40°	8868
45°	6722
50°	5503
55°	4838
60°	4327
65°	3788
70°	3242
75°	2522
80°	1699
85°	752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	7.4
10°-20°	214.2	19.1
20°-30°	279.1	24.9
30°-40°	227.5	20.3
40°-50°	137.7	12.3
50°-60°	91.5	8.2
60°-70°	58.5	5.2
70°-80°	25.9	2.3
80°-90°	3.9	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°	575.9	51.4
0°-40°	803.5	71.7
0°-60°	1032.7	92.1
0°-90°	1121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1121.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	908	
5°	885	83
15°	763	214
25°	614	279
35°	362	228
45°	174	138
55°	102	91
65°	59	59
75°	24	26
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	908.5
2.5°	901.7
5°	885.0
7.5°	860.1
10°	829.8
12.5°	796.6
15°	762.9
17.5°	729.1
20°	692.5
22.5°	657.3
25°	614.3
27.5°	564.5
30°	502.9
32.5°	432.5
35°	362.1
37.5°	298.6
40°	248.7
42.5°	206.2
45°	174.0
47.5°	148.6
50°	129.5
52.5°	113.9
55°	101.6
57.5°	89.9
60°	79.2
62.5°	68.9
65°	58.6
67.5°	49.4
70°	40.6
72.5°	31.8
75°	23.9
77.5°	17.1
80°	10.8
82.5°	5.9
85°	2.4
87.5°	0.5
90°	0.0

(END OF REPORT)