

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: P366042

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-WMH-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1347.9 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

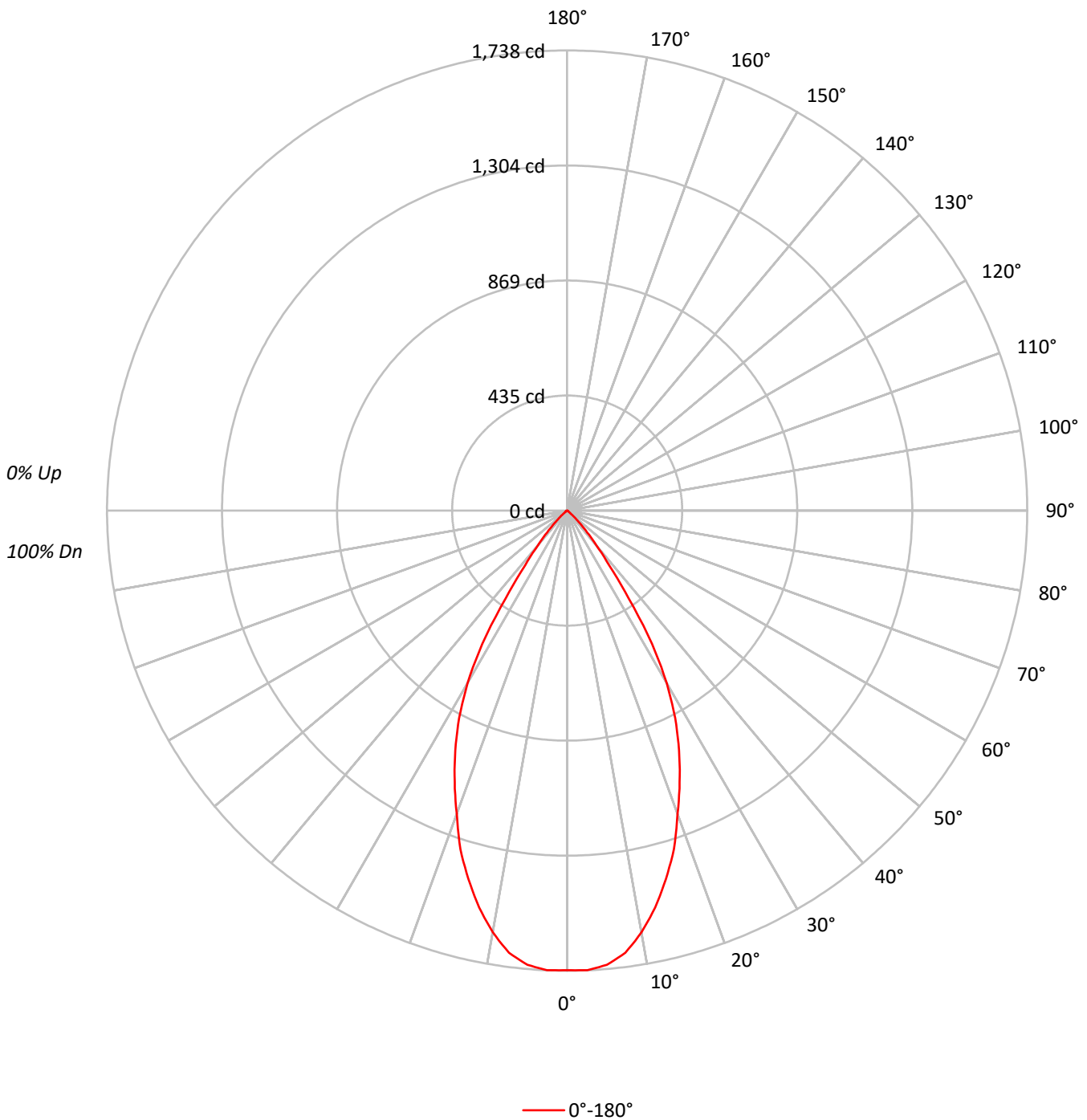
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	65		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47422
5°	47222
10°	44858
15°	40747
20°	35458
25°	30145
30°	23712
35°	13528
40°	6087
45°	2561
50°	807
55°	243
60°	169
65°	136
70°	120
75°	158
80°	79
85°	157



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	12.0
10°-20°	400.8	29.7
20°-30°	454.2	33.7
30°-40°	263.3	19.5
40°-50°	58.4	4.3
50°-60°	6.4	0.5
60°-70°	2.1	0.2
70°-80°	1.3	0.1
80°-90°	0.3	0.0
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°	1016.1	75.4
0°-40°	1279.4	94.9
0°-60°	1344.1	99.7
0°-90°	1347.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1347.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1736	
5°	1722	161
15°	1441	401
25°	1000	454
35°	406	263
45°	66	58
55°	5	6
65°	2	2
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1736.1
2.5°	1737.6
5°	1722.2
7.5°	1684.7
10°	1617.3
12.5°	1535.5
15°	1440.9
17.5°	1341.1
20°	1219.8
22.5°	1110.3
25°	1000.2
27.5°	883.0
30°	751.8
32.5°	597.0
35°	405.7
37.5°	260.7
40°	170.7
42.5°	111.6
45°	66.3
47.5°	37.0
50°	19.0
52.5°	8.7
55°	5.1
57.5°	4.1
60°	3.1
62.5°	2.6
65°	2.1
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	1.0
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)