

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: P365287

Luminaire Tested: **FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365287
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: FLD6BX15D010-FEU6B12-8035-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1129.0 lumens
Efficiency: N/A
Efficacy: 79.5 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

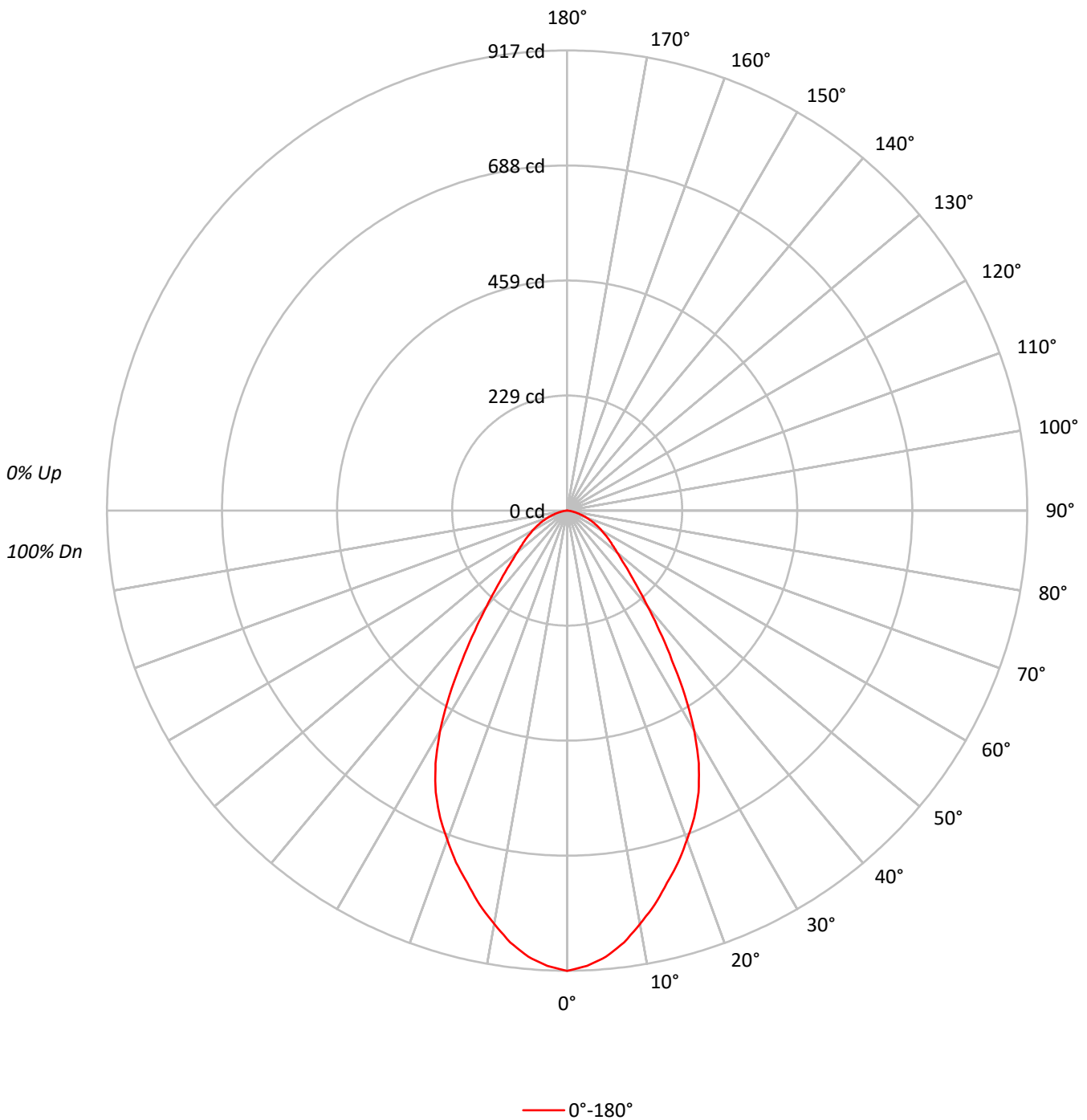
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	25056
5°	24469
10°	23204
15°	21727
20°	20293
25°	18683
30°	15966
35°	12145
40°	8900
45°	6776
50°	5529
55°	4862
60°	4327
65°	3800
70°	3227
75°	2522
80°	1730
85°	784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	7.4
10°-20°	216.0	19.1
20°-30°	281.2	24.9
30°-40°	229.5	20.3
40°-50°	138.7	12.3
50°-60°	91.9	8.1
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°	580.6	51.4
0°-40°	810.1	71.7
0°-60°	1040.7	92.2
0°-90°	1129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1129.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	917	
5°	892	83
15°	768	216
25°	620	281
35°	364	229
45°	175	139
55°	102	92
65°	59	58
75°	24	26
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	917.3
2.5°	907.9
5°	892.4
7.5°	868.0
10°	836.6
12.5°	804.7
15°	768.3
17.5°	735.5
20°	698.1
22.5°	662.2
25°	619.9
27.5°	568.0
30°	506.2
32.5°	437.0
35°	364.2
37.5°	302.5
40°	249.6
42.5°	207.8
45°	175.4
47.5°	150.0
50°	130.1
52.5°	114.6
55°	102.1
57.5°	90.2
60°	79.2
62.5°	68.8
65°	58.8
67.5°	49.3
70°	40.4
72.5°	31.9
75°	23.9
77.5°	16.9
80°	11.0
82.5°	6.0
85°	2.5
87.5°	0.5
90°	0.0

(END OF REPORT)