

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: P365338

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
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-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1327.0 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

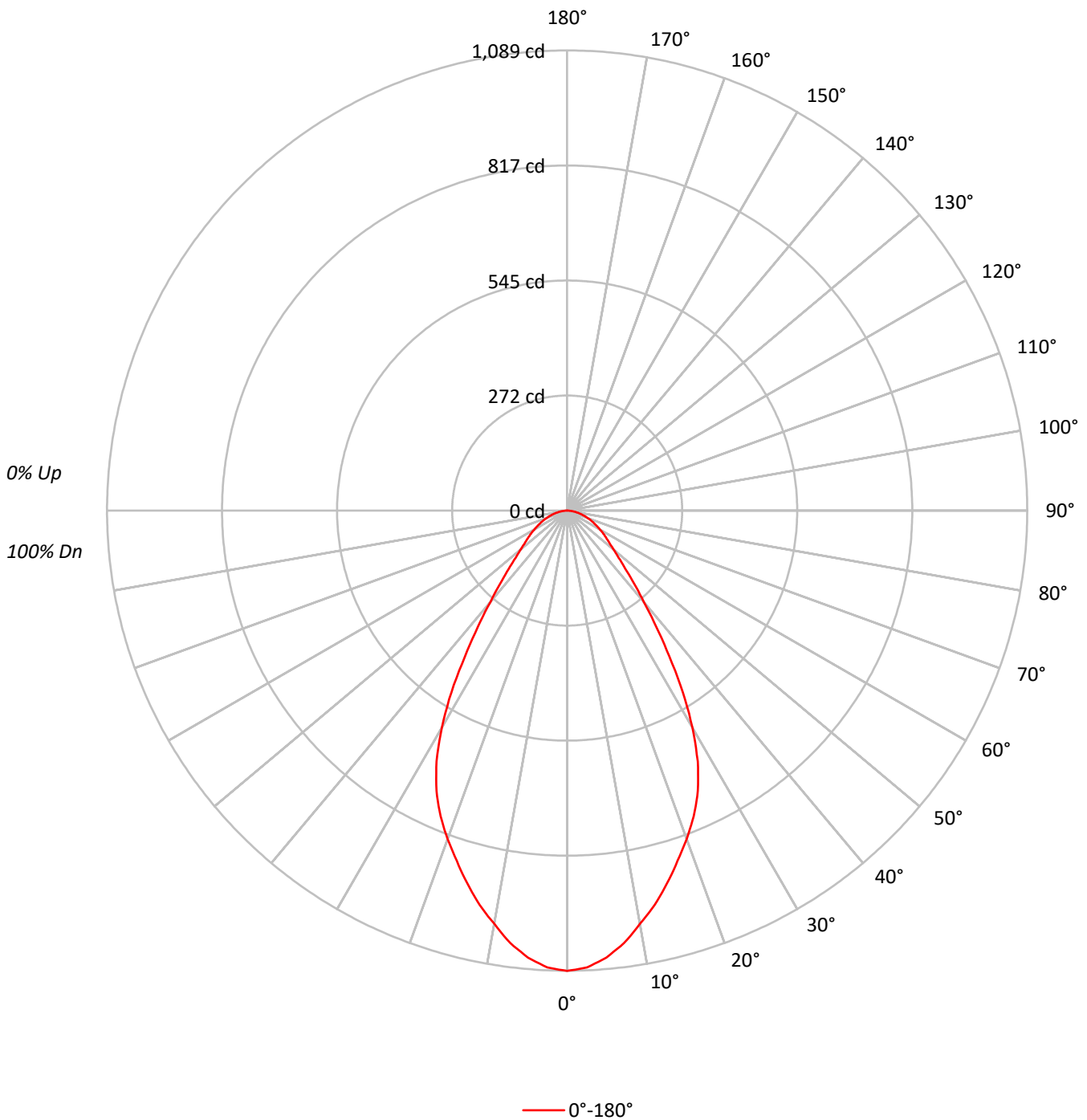
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	59
6	80	69	62	57	78	68	61	56	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	63	52	45	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29757
5°	29114
10°	27545
15°	25838
20°	24039
25°	22065
30°	18697
35°	14045
40°	10077
45°	7541
50°	6077
55°	5391
60°	4900
65°	4492
70°	4113
75°	3768
80°	3351
85°	2758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	7.5
10°-20°	256.2	19.3
20°-30°	331.8	25.0
30°-40°	265.6	20.0
40°-50°	154.9	11.7
50°-60°	102.1	7.7
60°-70°	69.3	5.2
70°-80°	37.9	2.9
80°-90°	10.2	0.8
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°	687.1	51.8
0°-40°	952.7	71.8
0°-60°	1209.6	91.2
0°-90°	1327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1327.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1089	
5°	1062	99
15°	914	256
25°	732	332
35°	421	266
45°	195	155
55°	113	102
65°	70	69
75°	36	38
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1089.4
2.5°	1082.4
5°	1061.8
7.5°	1032.4
10°	993.1
12.5°	956.3
15°	913.7
17.5°	869.2
20°	827.0
22.5°	782.9
25°	732.1
27.5°	669.3
30°	592.8
32.5°	510.1
35°	421.2
37.5°	346.6
40°	282.6
42.5°	234.1
45°	195.2
47.5°	165.4
50°	143.0
52.5°	126.1
55°	113.2
57.5°	101.4
60°	89.7
62.5°	79.4
65°	69.5
67.5°	60.6
70°	51.5
72.5°	43.4
75°	35.7
77.5°	28.3
80°	21.3
82.5°	14.7
85°	8.8
87.5°	3.3
90°	0.0

(END OF REPORT)