

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: P365230

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365230
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: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 952.0 lumens
Efficiency: N/A
Efficacy: 95.2 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

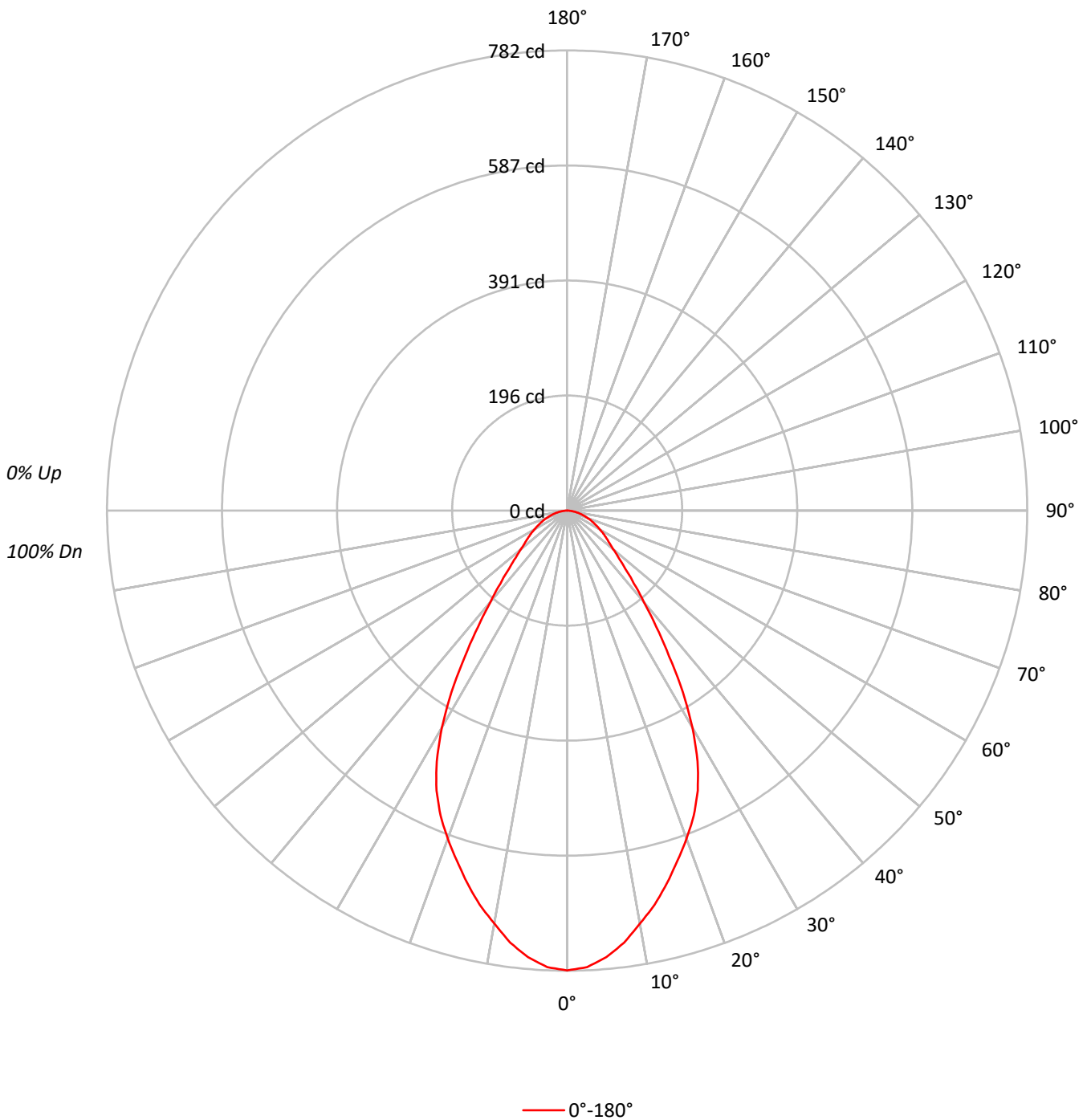
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	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°	21347
5°	20888
10°	19762
15°	18537
20°	17246
25°	15829
30°	13414
35°	10077
40°	7231
45°	5408
50°	4360
55°	3867
60°	3513
65°	3219
70°	2947
75°	2702
80°	2407
85°	1974



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	7.5
10°-20°	183.8	19.3
20°-30°	238.0	25.0
30°-40°	190.5	20.0
40°-50°	111.1	11.7
50°-60°	73.2	7.7
60°-70°	49.7	5.2
70°-80°	27.2	2.9
80°-90°	7.3	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°	493.0	51.8
0°-40°	683.5	71.8
0°-60°	867.8	91.2
0°-90°	952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	952.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	782	
5°	762	71
15°	656	184
25°	525	238
35°	302	191
45°	140	111
55°	81	73
65°	50	50
75°	26	27
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	781.5
2.5°	776.5
5°	761.8
7.5°	740.7
10°	712.5
12.5°	686.1
15°	655.5
17.5°	623.6
20°	593.3
22.5°	561.6
25°	525.2
27.5°	480.2
30°	425.3
32.5°	366.0
35°	302.2
37.5°	248.6
40°	202.8
42.5°	168.0
45°	140.0
47.5°	118.7
50°	102.6
52.5°	90.4
55°	81.2
57.5°	72.8
60°	64.3
62.5°	57.0
65°	49.8
67.5°	43.5
70°	36.9
72.5°	31.1
75°	25.6
77.5°	20.3
80°	15.3
82.5°	10.5
85°	6.3
87.5°	2.4
90°	0.0

(END OF REPORT)