

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: P365207

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 626.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

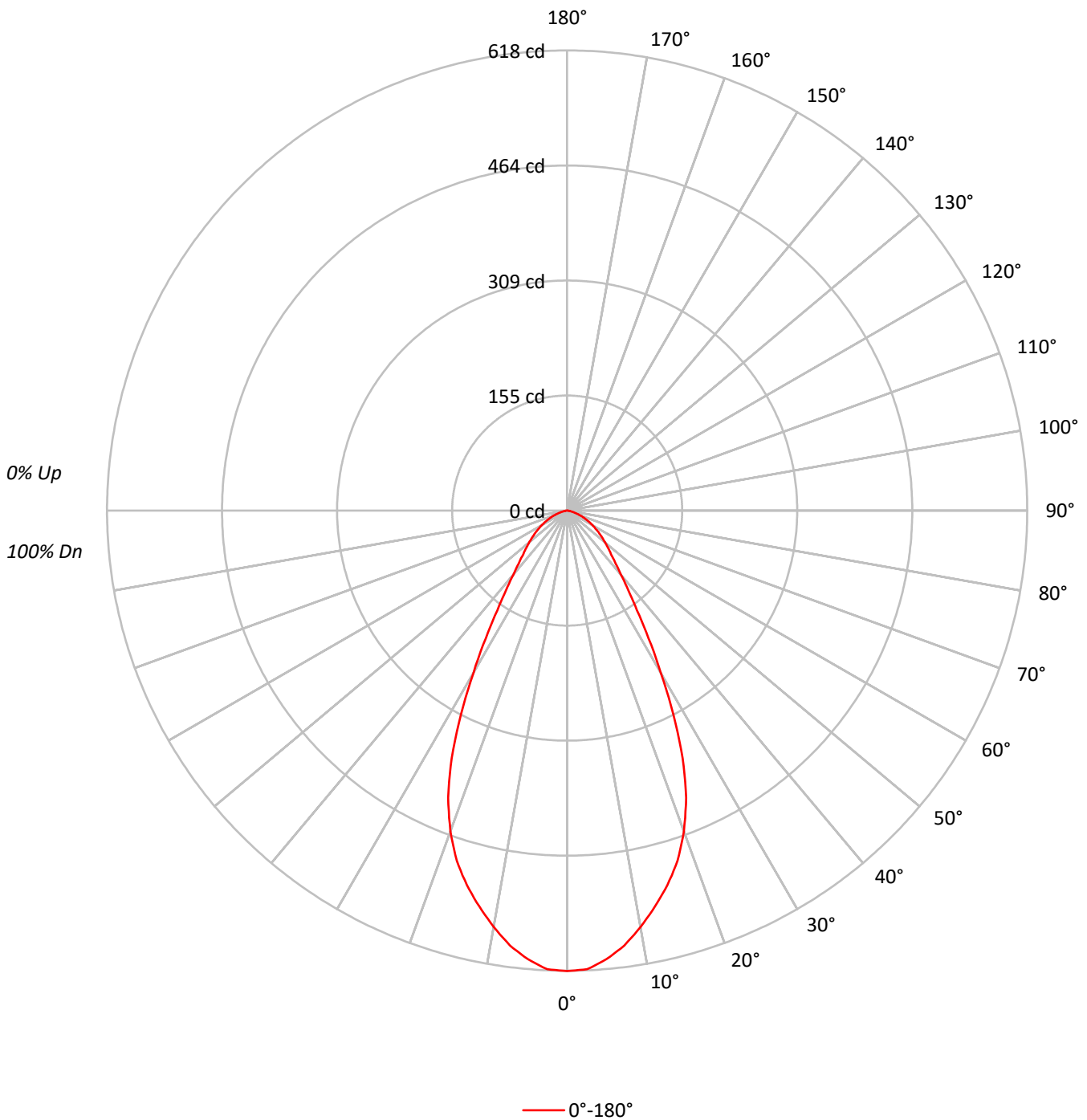
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44279
5°	43477
10°	41290
15°	38591
20°	34921
25°	29002
30°	20810
35°	14283
40°	10515
45°	8496
50°	7385
55°	6491
60°	5614
65°	4778
70°	3768
75°	2628
80°	1649
85°	1807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	9.0
10°-20°	145.3	23.2
20°-30°	164.8	26.3
30°-40°	105.6	16.9
40°-50°	66.2	10.6
50°-60°	46.7	7.5
60°-70°	28.1	4.5
70°-80°	10.7	1.7
80°-90°	2.2	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°	366.6	58.6
0°-40°	472.2	75.4
0°-60°	585.1	93.5
0°-90°	626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	626.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	618	
5°	605	57
15°	521	145
25°	367	165
35°	163	106
45°	84	66
55°	52	47
65°	28	28
75°	10	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	618.4
2.5°	616.6
5°	604.9
7.5°	589.1
10°	567.9
12.5°	544.8
15°	520.6
17.5°	493.1
20°	458.3
22.5°	417.7
25°	367.1
27.5°	308.8
30°	251.7
32.5°	203.3
35°	163.4
37.5°	134.5
40°	112.5
42.5°	96.4
45°	83.9
47.5°	74.7
50°	66.3
52.5°	59.0
55°	52.0
57.5°	45.4
60°	39.2
62.5°	33.7
65°	28.2
67.5°	23.1
70°	18.0
72.5°	13.6
75°	9.5
77.5°	6.6
80°	4.0
82.5°	2.6
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)