

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: P365204

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 592.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

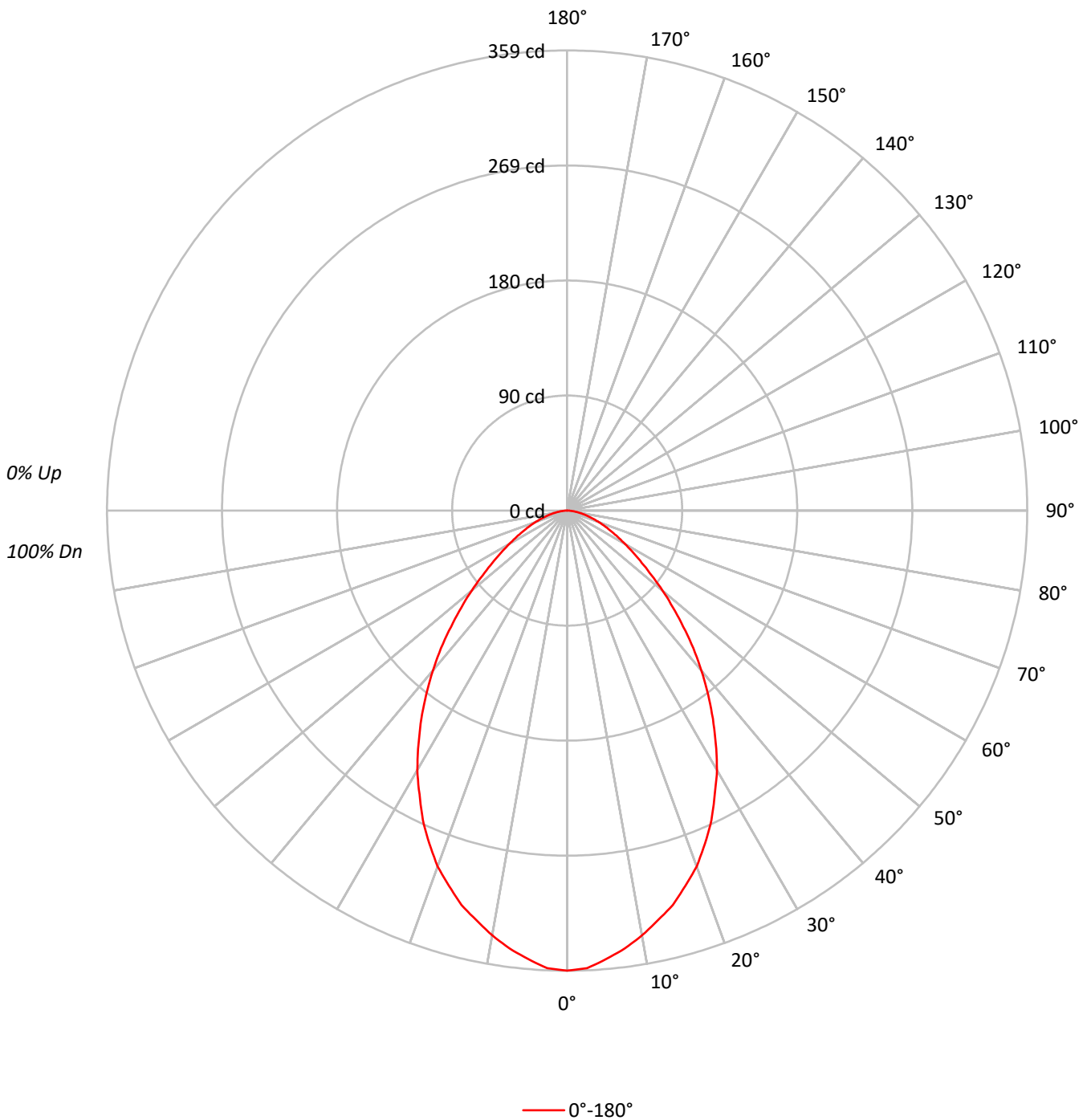
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25698
5°	25243
10°	24466
15°	23610
20°	22509
25°	21047
30°	19330
35°	17325
40°	15226
45°	12971
50°	10827
55°	8888
60°	7461
65°	6336
70°	5527
75°	4675
80°	3794
85°	3040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	5.6
10°-20°	89.3	15.1
20°-30°	122.0	20.6
30°-40°	123.7	20.9
40°-50°	99.2	16.7
50°-60°	64.6	10.9
60°-70°	37.7	6.4
70°-80°	18.1	3.1
80°-90°	4.4	0.7
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°	244.4	41.3
0°-40°	368.1	62.2
0°-60°	531.8	89.8
0°-90°	592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	359	
5°	351	33
15°	318	89
25°	266	122
35°	198	124
45°	128	99
55°	71	65
65°	37	38
75°	17	18
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	358.9
2.5°	357.4
5°	351.2
7.5°	344.6
10°	336.5
12.5°	327.3
15°	318.5
17.5°	306.8
20°	295.4
22.5°	281.1
25°	266.4
27.5°	249.5
30°	233.8
32.5°	215.8
35°	198.2
37.5°	180.6
40°	162.9
42.5°	145.7
45°	128.1
47.5°	111.9
50°	97.2
52.5°	82.9
55°	71.2
57.5°	60.9
60°	52.1
62.5°	44.4
65°	37.4
67.5°	31.6
70°	26.4
72.5°	21.3
75°	16.9
77.5°	12.8
80°	9.2
82.5°	6.2
85°	3.7
87.5°	1.5
90°	0.0

(END OF REPORT)