

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: P365923

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
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-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 786.1 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

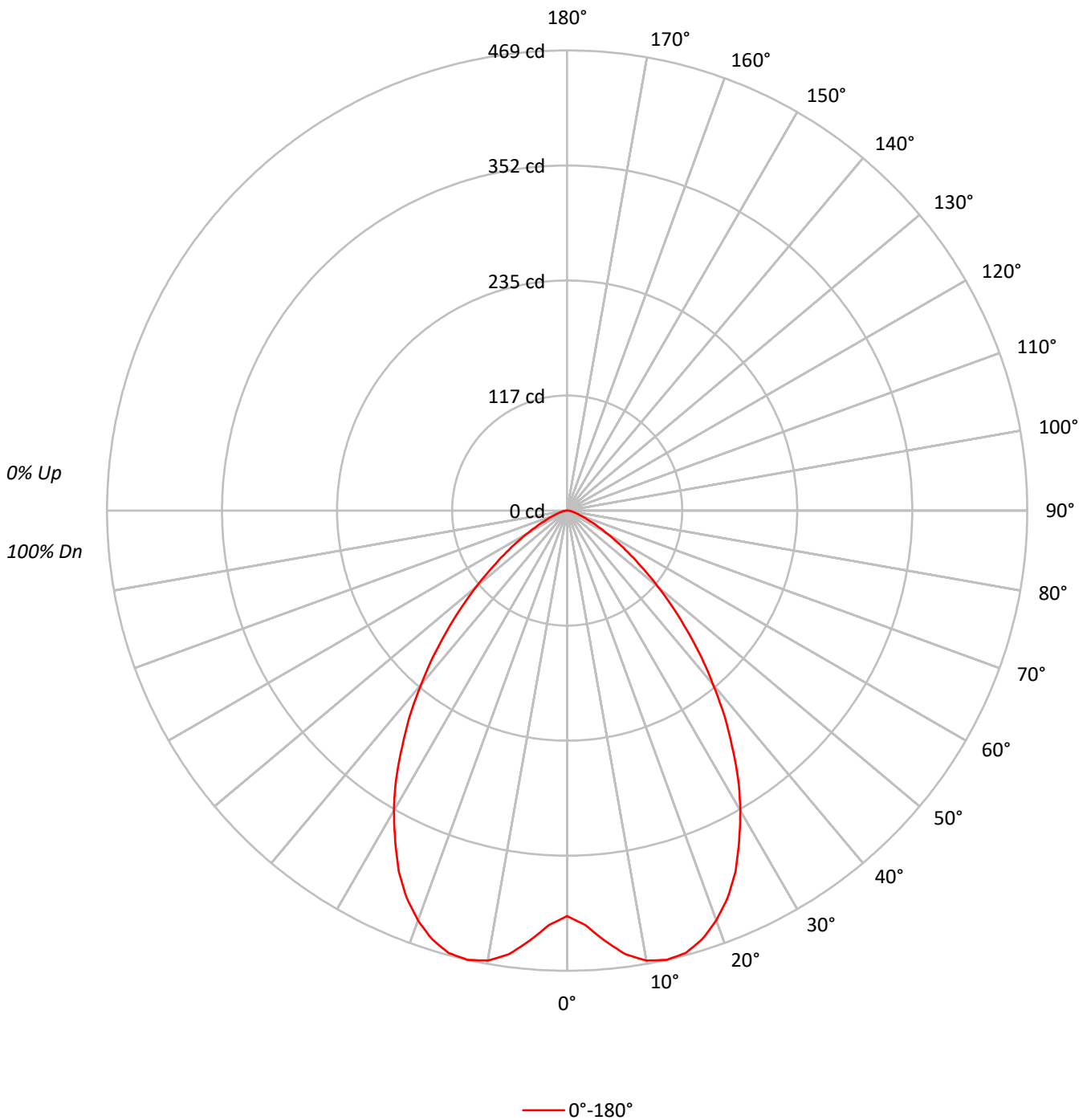
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	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	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29586
5°	31625
10°	33859
15°	34603
20°	33862
25°	32068
30°	29194
35°	25611
40°	21629
45°	17488
50°	13479
55°	9837
60°	6774
65°	4473
70°	2910
75°	2130
80°	1814
85°	2136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	5.4
10°-20°	130.7	16.6
20°-30°	185.2	23.6
30°-40°	182.7	23.2
40°-50°	133.9	17.0
50°-60°	71.8	9.1
60°-70°	27.6	3.5
70°-80°	8.8	1.1
80°-90°	2.6	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°	358.7	45.6
0°-40°	541.4	68.9
0°-60°	747.1	95.0
0°-90°	786.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	786.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	413	
5°	440	43
15°	467	131
25°	406	185
35°	293	183
45°	173	134
55°	79	72
65°	26	28
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	413.2
2.5°	422.8
5°	440.0
7.5°	456.1
10°	465.7
12.5°	469.0
15°	466.8
17.5°	458.0
20°	444.4
22.5°	427.2
25°	405.9
27.5°	379.5
30°	353.1
32.5°	324.5
35°	293.0
37.5°	262.9
40°	231.4
42.5°	202.4
45°	172.7
47.5°	146.3
50°	121.0
52.5°	98.3
55°	78.8
57.5°	61.6
60°	47.3
62.5°	35.6
65°	26.4
67.5°	19.4
70°	13.9
72.5°	10.6
75°	7.7
77.5°	5.9
80°	4.4
82.5°	3.3
85°	2.6
87.5°	1.5
90°	0.0

(END OF REPORT)