

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: P365180

Luminaire Tested: **FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8030-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 781.1 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

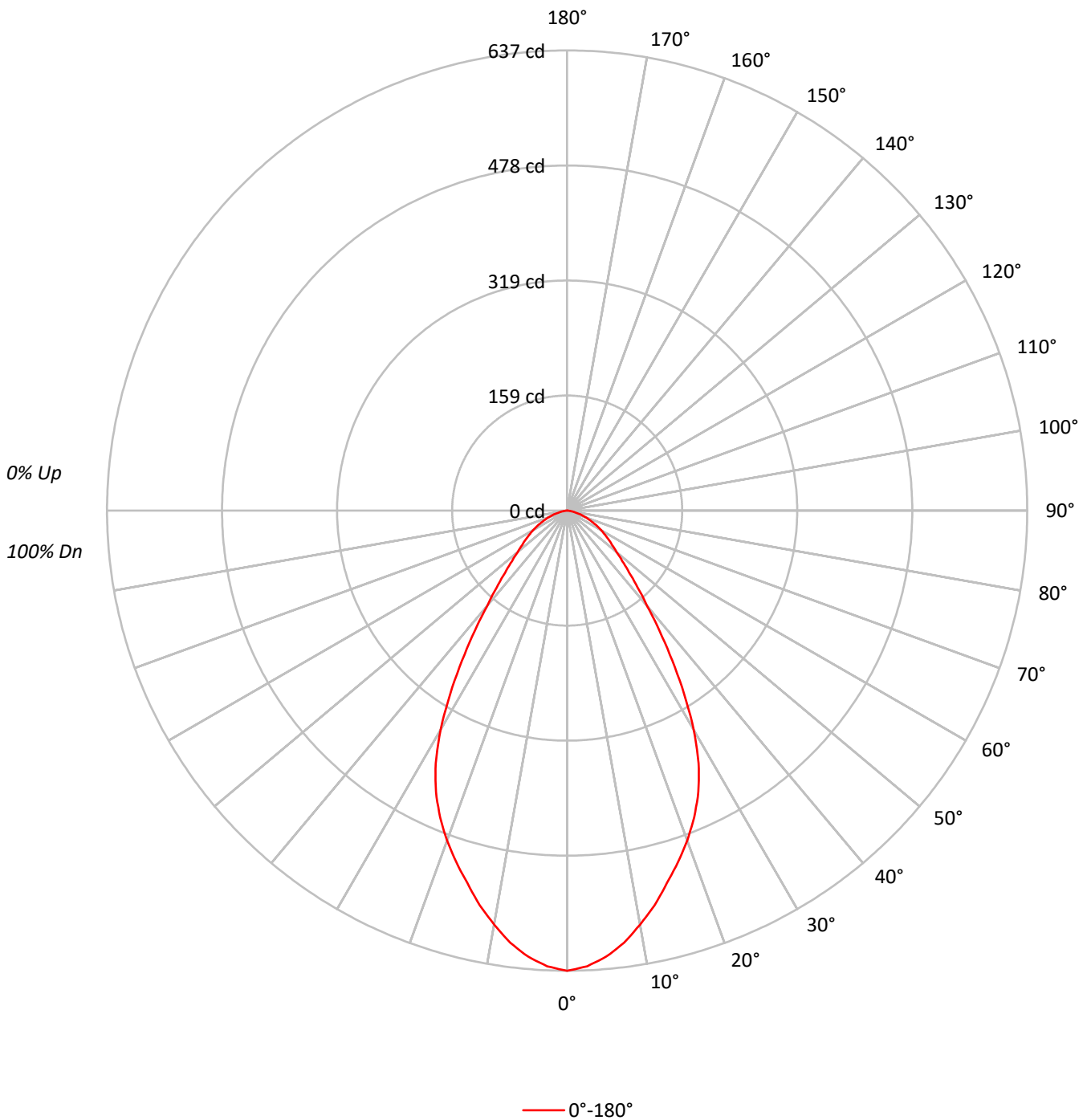
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
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	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17403
5°	16997
10°	16137
15°	15092
20°	14124
25°	12954
30°	11052
35°	8460
40°	6151
45°	4693
50°	3803
55°	3338
60°	2966
65°	2579
70°	2180
75°	1710
80°	1133
85°	439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	7.4
10°-20°	150.1	19.2
20°-30°	195.1	25.0
30°-40°	159.0	20.4
40°-50°	96.0	12.3
50°-60°	63.1	8.1
60°-70°	39.8	5.1
70°-80°	17.4	2.2
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°	403.2	51.6
0°-40°	562.2	72.0
0°-60°	721.3	92.3
0°-90°	781.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	637	
5°	620	58
15°	534	150
25°	430	195
35°	254	159
45°	122	96
55°	70	63
65°	40	40
75°	16	17
85°	1	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	637.1
2.5°	631.4
5°	619.9
7.5°	603.4
10°	581.8
12.5°	559.5
15°	533.7
17.5°	510.3
20°	485.9
22.5°	459.6
25°	429.8
27.5°	394.2
30°	350.4
32.5°	301.5
35°	253.7
37.5°	209.9
40°	172.5
42.5°	144.5
45°	121.5
47.5°	103.5
50°	89.5
52.5°	78.7
55°	70.1
57.5°	61.8
60°	54.3
62.5°	47.1
65°	39.9
67.5°	33.4
70°	27.3
72.5°	21.6
75°	16.2
77.5°	11.1
80°	7.2
82.5°	4.0
85°	1.4
87.5°	0.4
90°	0.0

(END OF REPORT)