

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: P364519

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 837.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

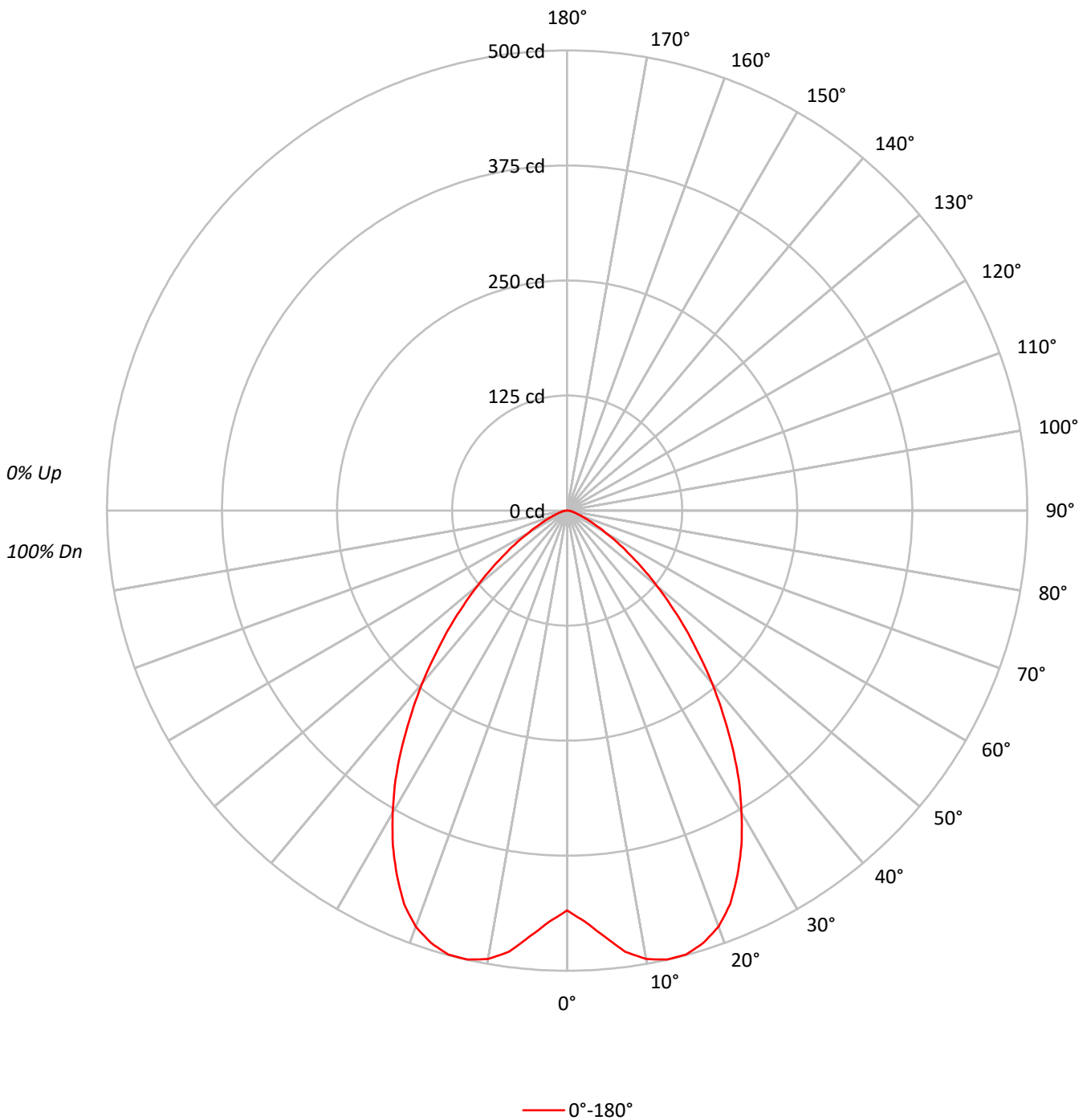
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31104
5°	33379
10°	35975
15°	37012
20°	36658
25°	34564
30°	31343
35°	27333
40°	22909
45°	18440
50°	14203
55°	10324
60°	7003
65°	4625
70°	3015
75°	2296
80°	2020
85°	2465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	5.4
10°-20°	140.1	16.7
20°-30°	200.0	23.9
30°-40°	194.6	23.3
40°-50°	140.8	16.8
50°-60°	75.5	9.0
60°-70°	28.4	3.4
70°-80°	9.3	1.1
80°-90°	2.9	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°	385.4	46.1
0°-40°	580.1	69.3
0°-60°	796.3	95.1
0°-90°	837.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	837.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	434	
5°	464	45
15°	499	140
25°	438	200
35°	313	195
45°	182	141
55°	83	75
65°	27	28
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	434.4
2.5°	447.0
5°	464.4
7.5°	483.4
10°	494.8
12.5°	499.7
15°	499.3
17.5°	492.5
20°	481.1
22.5°	462.9
25°	437.5
27.5°	410.2
30°	379.1
32.5°	347.2
35°	312.7
37.5°	277.7
40°	245.1
42.5°	211.7
45°	182.1
47.5°	153.3
50°	127.5
52.5°	103.6
55°	82.7
57.5°	64.9
60°	48.9
62.5°	36.8
65°	27.3
67.5°	19.7
70°	14.4
72.5°	11.0
75°	8.3
77.5°	6.5
80°	4.9
82.5°	3.8
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)