

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: P365202

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 635.9 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

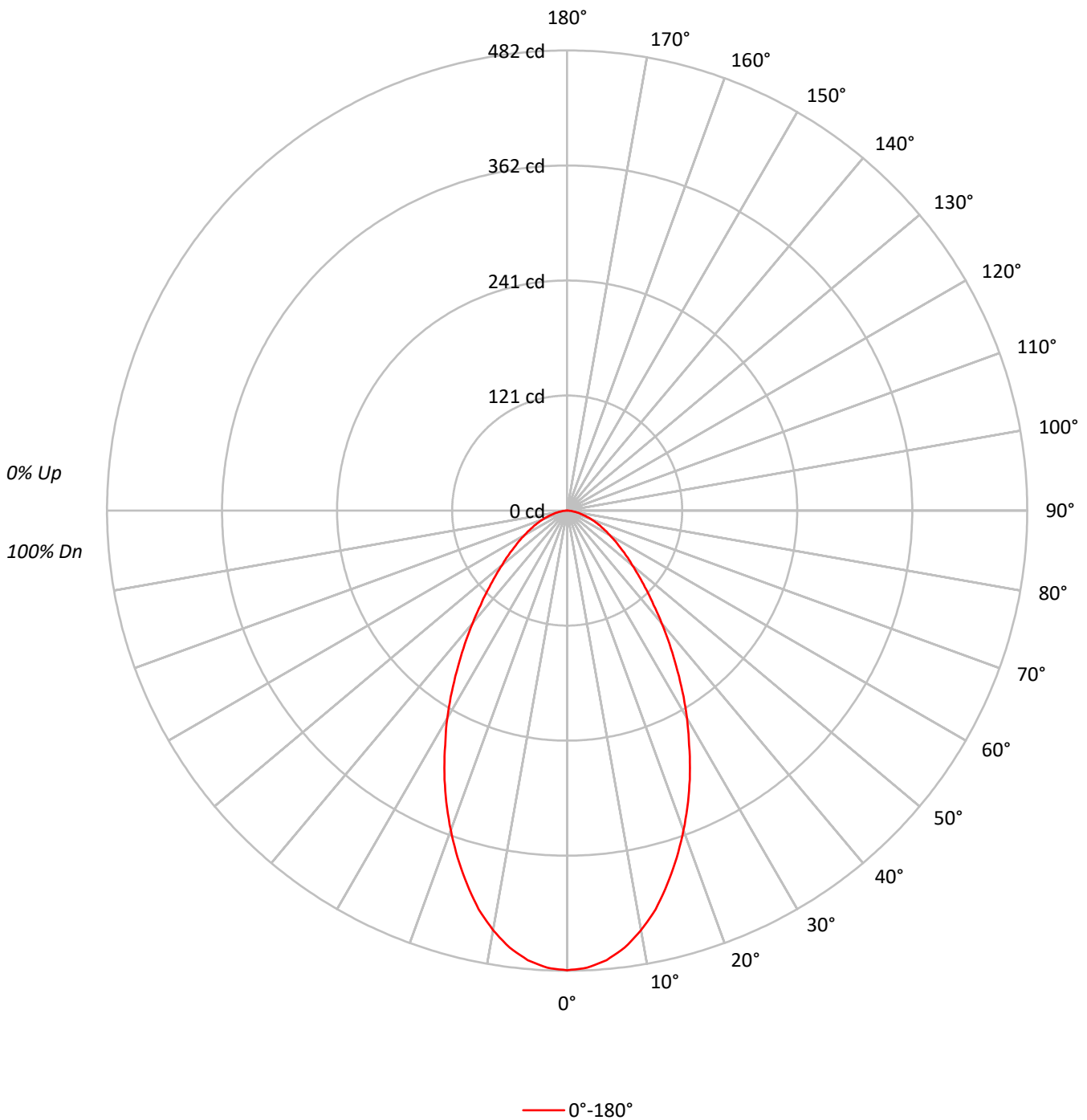
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34476
5°	33975
10°	32449
15°	30037
20°	27157
25°	24041
30°	20769
35°	17403
40°	14394
45°	11878
50°	9925
55°	8514
60°	7404
65°	6523
70°	5673
75°	4758
80°	3917
85°	3040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	7.0
10°-20°	113.2	17.8
20°-30°	139.2	21.9
30°-40°	124.8	19.6
40°-50°	91.4	14.4
50°-60°	61.8	9.7
60°-70°	38.4	6.0
70°-80°	18.5	2.9
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°	296.7	46.7
0°-40°	421.5	66.3
0°-60°	574.7	90.4
0°-90°	635.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	482	
5°	473	44
15°	405	113
25°	304	139
35°	199	125
45°	117	91
55°	68	62
65°	38	38
75°	17	19
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	481.5
2.5°	479.3
5°	472.7
7.5°	461.7
10°	446.3
12.5°	427.9
15°	405.2
17.5°	381.3
20°	356.4
22.5°	330.7
25°	304.3
27.5°	276.8
30°	251.2
32.5°	224.8
35°	199.1
37.5°	176.0
40°	154.0
42.5°	134.2
45°	117.3
47.5°	102.3
50°	89.1
52.5°	78.5
55°	68.2
57.5°	59.8
60°	51.7
62.5°	44.7
65°	38.5
67.5°	32.6
70°	27.1
72.5°	22.0
75°	17.2
77.5°	12.8
80°	9.5
82.5°	6.2
85°	3.7
87.5°	1.5
90°	0.0

(END OF REPORT)