

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: P365220

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365220
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-FEU6B12-8040-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: 642.0 lumens
Efficiency: N/A
Efficacy: 64.2 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

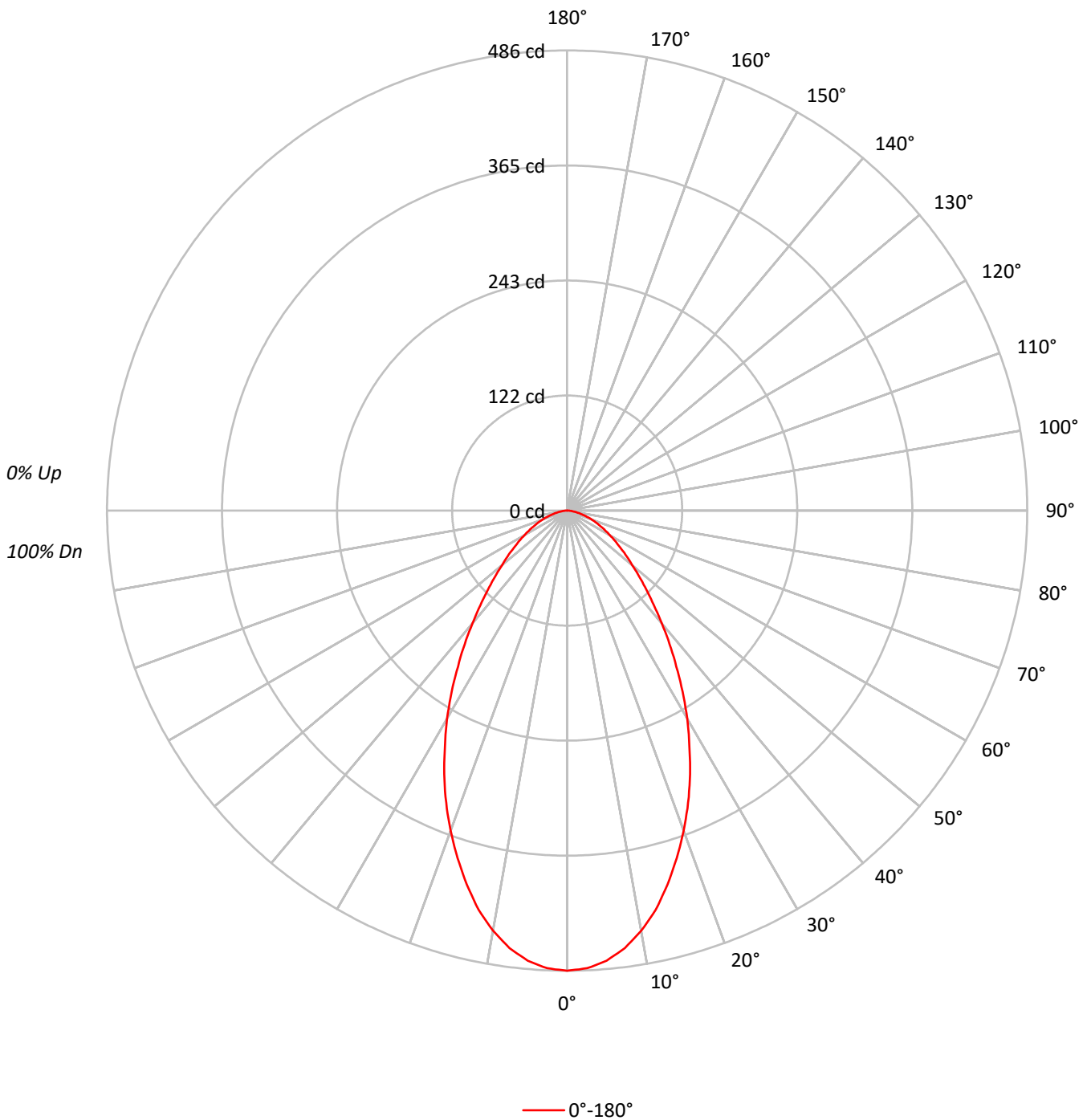
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	34799
5°	34292
10°	32754
15°	30318
20°	27416
25°	24270
30°	20959
35°	17569
40°	14535
45°	11989
50°	10014
55°	8589
60°	7475
65°	6591
70°	5736
75°	4814
80°	3958
85°	3040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	7.0
10°-20°	114.3	17.8
20°-30°	140.6	21.9
30°-40°	126.0	19.6
40°-50°	92.2	14.4
50°-60°	62.3	9.7
60°-70°	38.8	6.0
70°-80°	18.7	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
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0°-30°	299.5	46.7
0°-40°	425.5	66.3
0°-60°	580.1	90.4
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	486	
5°	477	45
15°	409	114
25°	307	141
35°	201	126
45°	118	92
55°	69	62
65°	39	39
75°	17	19
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	486.0
2.5°	483.8
5°	477.1
7.5°	466.0
10°	450.5
12.5°	432.0
15°	409.0
17.5°	384.9
20°	359.8
22.5°	333.9
25°	307.2
27.5°	279.5
30°	253.5
32.5°	226.9
35°	201.0
37.5°	177.7
40°	155.5
42.5°	135.5
45°	118.4
47.5°	103.3
50°	89.9
52.5°	79.2
55°	68.8
57.5°	60.3
60°	52.2
62.5°	45.2
65°	38.9
67.5°	32.9
70°	27.4
72.5°	22.2
75°	17.4
77.5°	13.0
80°	9.6
82.5°	6.3
85°	3.7
87.5°	1.5
90°	0.0

(END OF REPORT)