

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: P365960

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 814.9 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

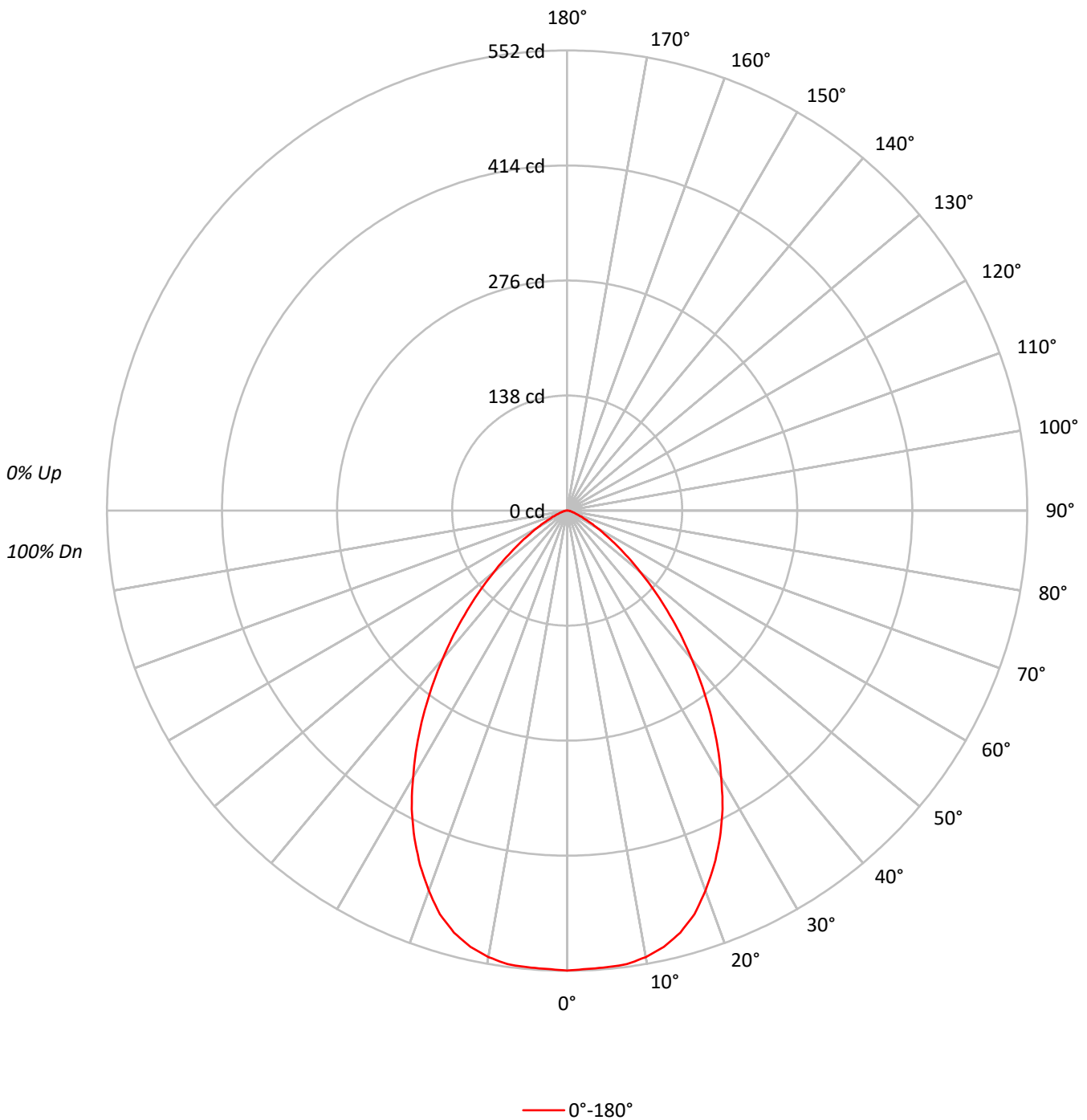
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91					91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81					81			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73					73			
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66					66			
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59					59			
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54					54			
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49					49			
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45					45			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42					42			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38					38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39510
5°	39524
10°	39538
15°	38850
20°	36956
25°	34240
30°	30566
35°	26310
40°	21713
45°	17174
50°	12766
55°	9001
60°	5972
65°	3660
70°	2387
75°	1798
80°	1567
85°	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	6.4
10°-20°	146.7	18.0
20°-30°	198.1	24.3
30°-40°	187.4	23.0
40°-50°	131.4	16.1
50°-60°	66.1	8.1
60°-70°	23.3	2.9
70°-80°	7.3	0.9
80°-90°	2.3	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°	397.1	48.7
0°-40°	584.6	71.7
0°-60°	782.1	96.0
0°-90°	814.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	552	
5°	550	52
15°	524	147
25°	433	198
35°	301	187
45°	170	131
55°	72	66
65°	22	23
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	551.8
2.5°	550.3
5°	549.9
7.5°	548.8
10°	543.8
12.5°	535.9
15°	524.1
17.5°	507.8
20°	485.0
22.5°	460.7
25°	433.4
27.5°	403.8
30°	369.7
32.5°	335.9
35°	301.0
37.5°	266.4
40°	232.3
42.5°	200.8
45°	169.6
47.5°	141.2
50°	114.6
52.5°	91.8
55°	72.1
57.5°	55.4
60°	41.7
62.5°	30.7
65°	21.6
67.5°	15.9
70°	11.4
72.5°	8.7
75°	6.5
77.5°	4.9
80°	3.8
82.5°	3.0
85°	2.3
87.5°	1.1
90°	0.0

(END OF REPORT)