

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: P365242

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-MW-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 669.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

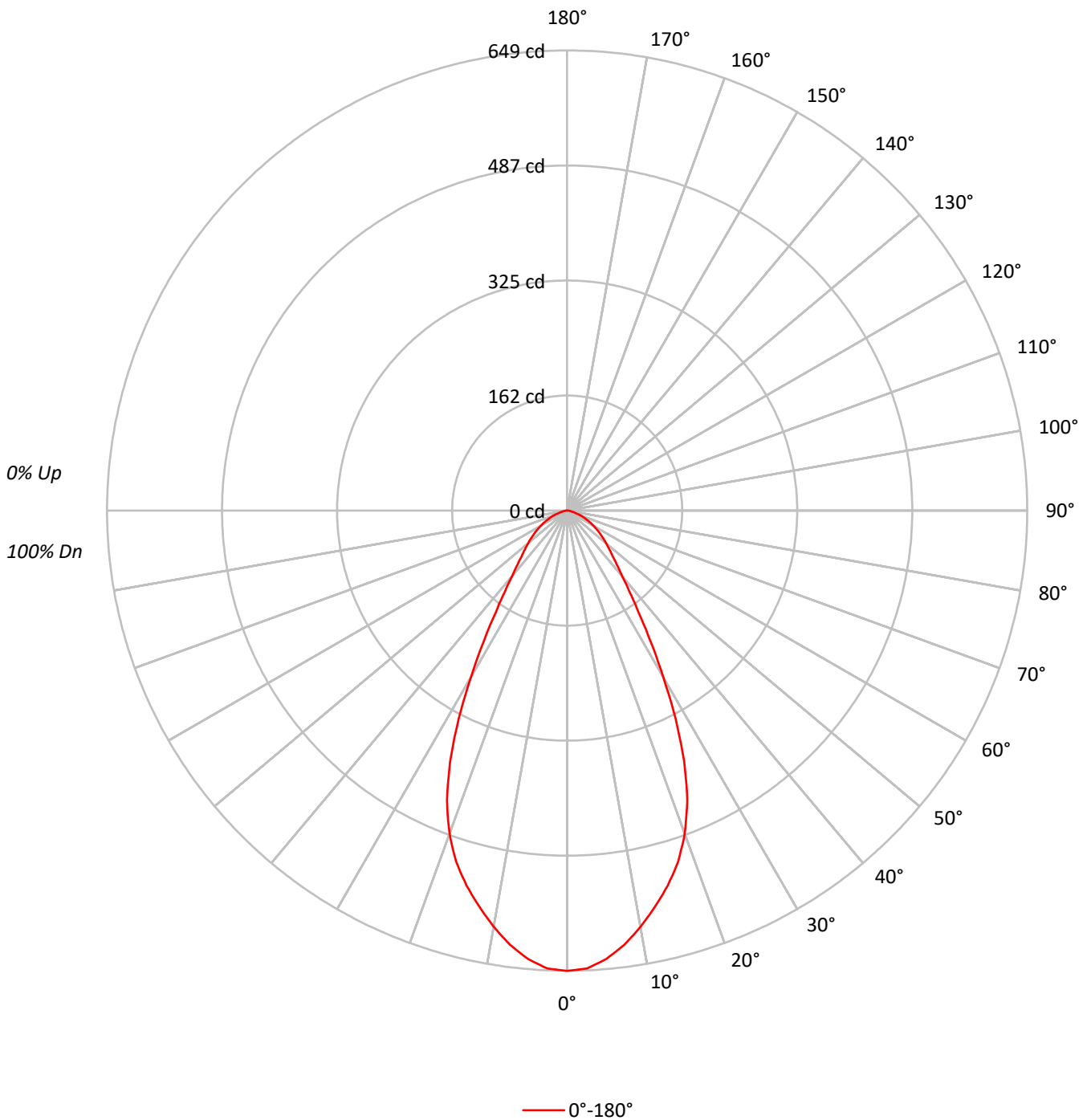
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46484
5°	45626
10°	43340
15°	40592
20°	36956
25°	30827
30°	22356
35°	15384
40°	11310
45°	9174
50°	7987
55°	7053
60°	6143
65°	5201
70°	4208
75°	3043
80°	2020
85°	2218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	8.9
10°-20°	152.9	22.9
20°-30°	175.5	26.2
30°-40°	113.6	17.0
40°-50°	71.4	10.7
50°-60°	50.8	7.6
60°-70°	30.6	4.6
70°-80°	12.2	1.8
80°-90°	2.6	0.4
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°	387.8	58.0
0°-40°	501.4	74.9
0°-60°	623.6	93.2
0°-90°	669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	649	
5°	635	59
15°	548	153
25°	390	176
35°	176	114
45°	91	71
55°	56	51
65°	31	31
75°	11	12
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	649.2
2.5°	646.2
5°	634.8
7.5°	617.7
10°	596.1
12.5°	572.2
15°	547.6
17.5°	519.9
20°	485.0
22.5°	442.9
25°	390.2
27.5°	331.4
30°	270.4
32.5°	218.8
35°	176.0
37.5°	144.5
40°	121.0
42.5°	103.9
45°	90.6
47.5°	80.4
50°	71.7
52.5°	64.1
55°	56.5
57.5°	49.7
60°	42.9
62.5°	36.8
65°	30.7
67.5°	25.0
70°	20.1
72.5°	15.2
75°	11.0
77.5°	7.6
80°	4.9
82.5°	3.0
85°	2.7
87.5°	1.5
90°	0.0

(END OF REPORT)