

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: P365798

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3623.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

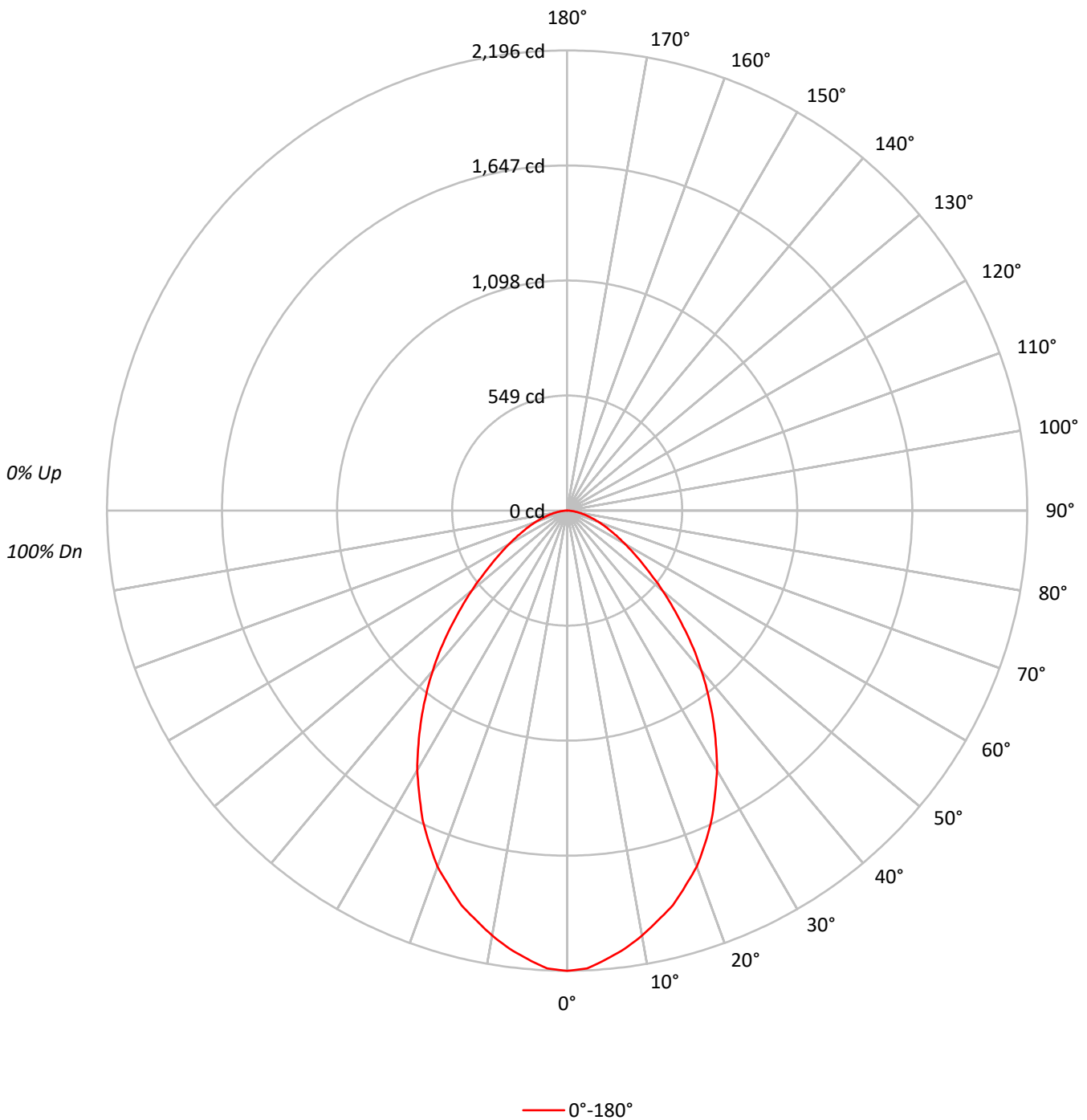
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	157266
5°	154482
10°	149732
15°	144505
20°	137757
25°	128816
30°	118280
35°	106011
40°	93208
45°	79368
50°	66301
55°	54390
60°	45668
65°	38815
70°	33852
75°	28578
80°	23132
85°	18485



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	5.6
10°-20°	546.6	15.1
20°-30°	746.7	20.6
30°-40°	756.8	20.9
40°-50°	606.9	16.7
50°-60°	395.4	10.9
60°-70°	230.8	6.4
70°-80°	111.0	3.1
80°-90°	26.6	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°	1495.7	41.3
0°-40°	2252.4	62.2
0°-60°	3254.7	89.8
0°-90°	3623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3623.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2196	
5°	2149	202
15°	1949	547
25°	1630	747
35°	1213	757
45°	784	607
55°	436	395
65°	229	231
75°	103	111
85°	22	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2196.4
2.5°	2187.5
5°	2149.3
7.5°	2108.9
10°	2059.4
12.5°	2003.3
15°	1949.4
17.5°	1877.5
20°	1807.9
22.5°	1720.3
25°	1630.5
27.5°	1527.2
30°	1430.6
32.5°	1320.6
35°	1212.8
37.5°	1105.0
40°	997.2
42.5°	891.6
45°	783.8
47.5°	685.0
50°	595.2
52.5°	507.6
55°	435.7
57.5°	372.8
60°	318.9
62.5°	271.7
65°	229.1
67.5°	193.1
70°	161.7
72.5°	130.3
75°	103.3
77.5°	78.6
80°	56.1
82.5°	38.2
85°	22.5
87.5°	9.0
90°	0.0

(END OF REPORT)