

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: P365875

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4294.0 lumens
Efficiency: N/A
Efficacy: 58.5 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

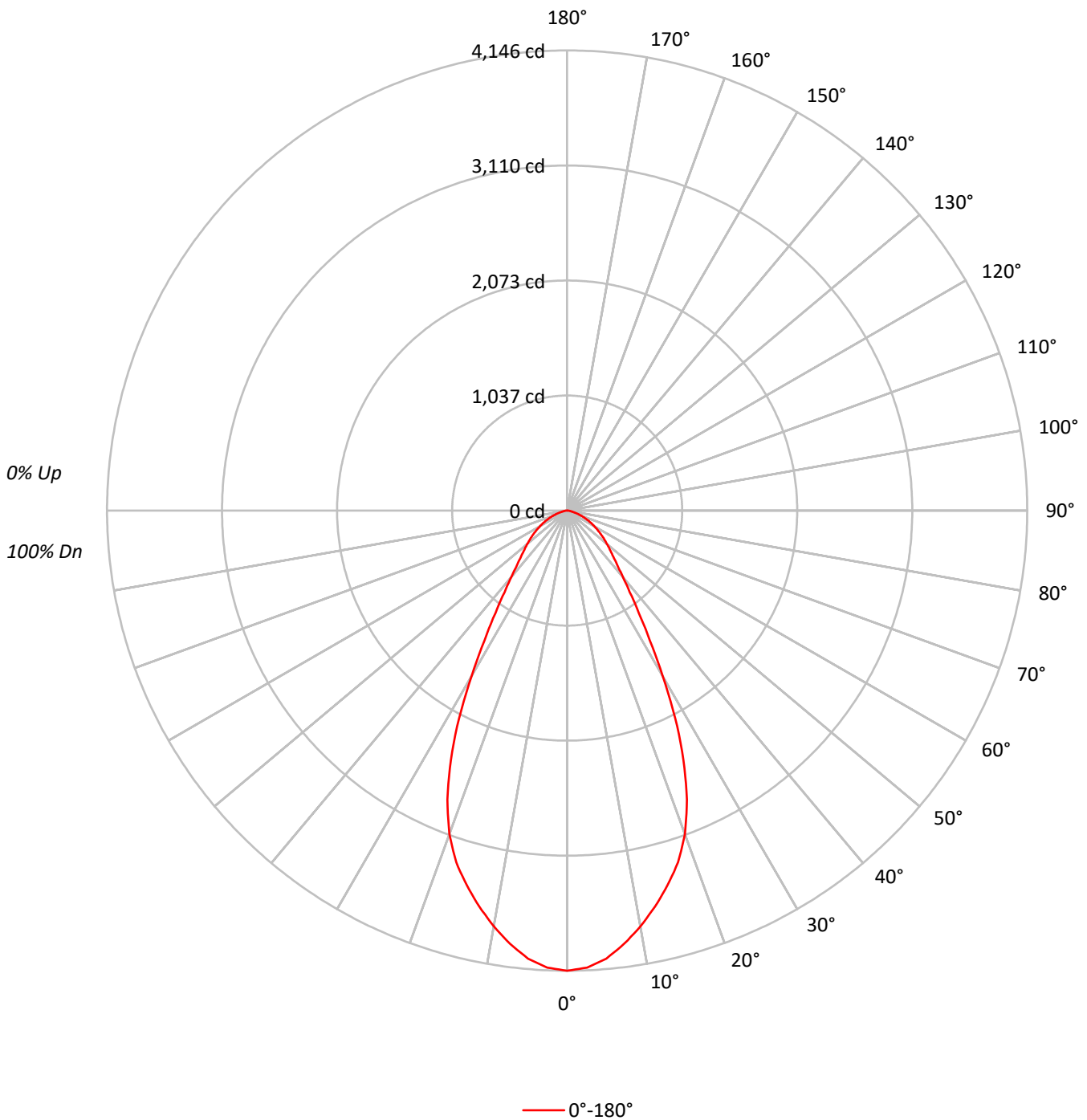
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296854
5°	291217
10°	276568
15°	259010
20°	236409
25°	195977
30°	142191
35°	98345
40°	72729
45°	59470
50°	52176
55°	46401
60°	40455
65°	34427
70°	27488
75°	19891
80°	14308
85°	16266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.6	8.8
10°-20°	977.0	22.8
20°-30°	1117.5	26.0
30°-40°	724.5	16.9
40°-50°	462.0	10.8
50°-60°	332.7	7.7
60°-70°	202.3	4.7
70°-80°	80.6	1.9
80°-90°	18.9	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°	2473.1	57.6
0°-40°	3197.6	74.5
0°-60°	3992.3	93.0
0°-90°	4294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4294.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4146	
5°	4052	379
15°	3494	977
25°	2481	1117
35°	1125	725
45°	587	462
55°	372	333
65°	203	202
75°	72	81
85°	20	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4145.9
2.5°	4121.1
5°	4051.7
7.5°	3937.7
10°	3803.9
12.5°	3655.2
15°	3494.1
17.5°	3323.1
20°	3102.6
22.5°	2820.1
25°	2480.6
27.5°	2108.9
30°	1719.8
32.5°	1385.3
35°	1125.1
37.5°	926.8
40°	778.1
42.5°	669.1
45°	587.3
47.5°	522.9
50°	468.4
52.5°	418.8
55°	371.7
57.5°	324.6
60°	282.5
62.5°	242.9
65°	203.2
67.5°	166.0
70°	131.3
72.5°	101.6
75°	71.9
77.5°	49.6
80°	34.7
82.5°	22.3
85°	19.8
87.5°	9.9
90°	0.0

(END OF REPORT)