

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: P365874

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4311.0 lumens
Efficiency: N/A
Efficacy: 58.7 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

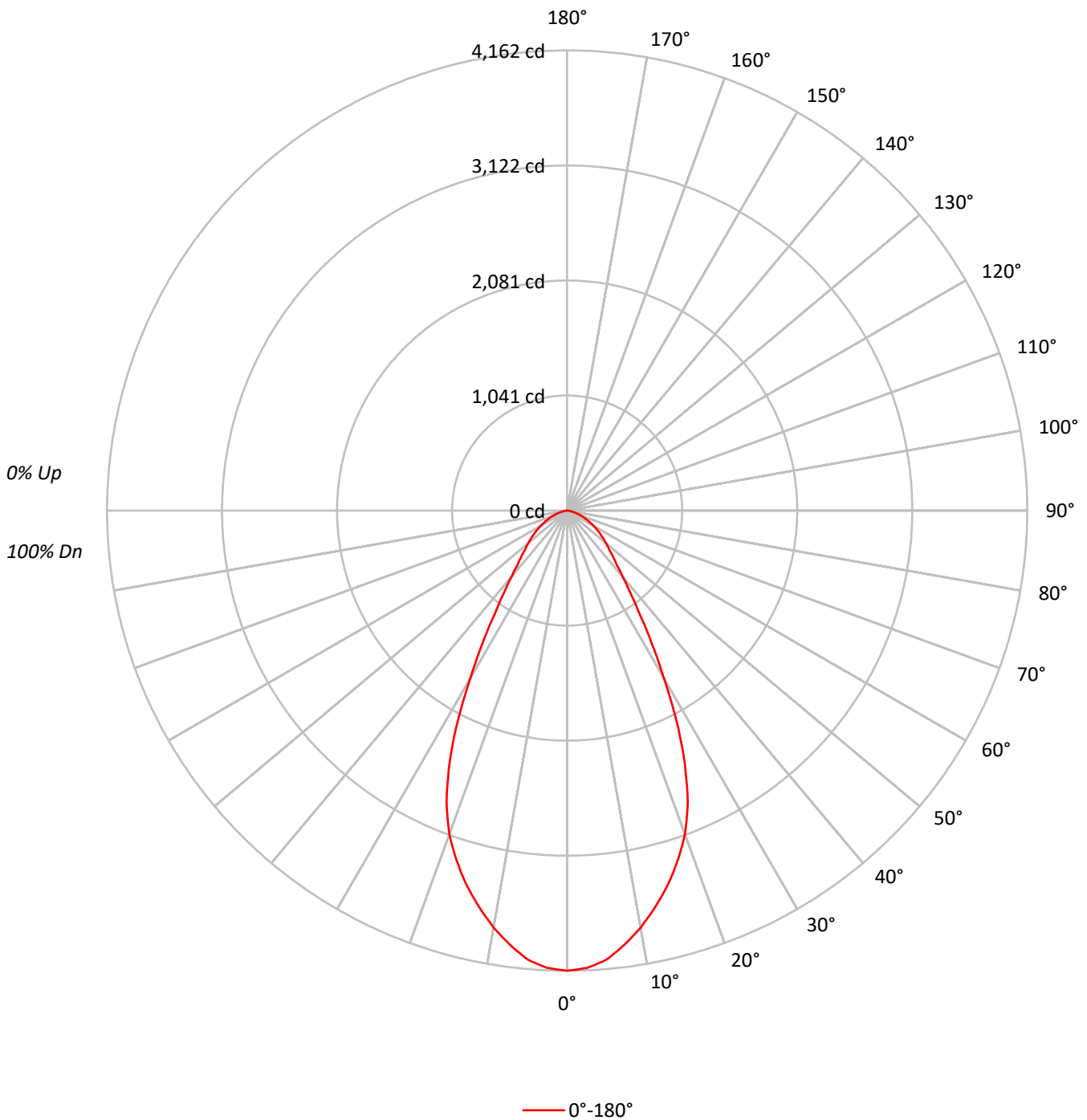
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	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	92	84	77	72	91	82	76	71	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	61
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		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	298021
5°	293101
10°	278466
15°	260203
20°	237438
25°	198790
30°	144704
35°	100110
40°	73224
45°	58994
50°	51085
55°	45177
60°	39410
65°	33597
70°	27509
75°	20583
80°	14308
85°	12241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.9	8.8
10°-20°	980.4	22.7
20°-30°	1131.7	26.3
30°-40°	738.0	17.1
40°-50°	458.1	10.6
50°-60°	325.4	7.5
60°-70°	197.8	4.6
70°-80°	81.9	1.9
80°-90°	16.9	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°	2493.0	57.8
0°-40°	3231.0	74.9
0°-60°	4014.4	93.1
0°-90°	4311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4311.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4162	
5°	4078	381
15°	3510	980
25°	2516	1132
35°	1145	738
45°	583	458
55°	362	325
65°	198	198
75°	74	82
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4162.2
2.5°	4139.9
5°	4077.9
7.5°	3961.4
10°	3830.0
12.5°	3673.8
15°	3510.2
17.5°	3321.8
20°	3116.1
22.5°	2850.8
25°	2516.2
27.5°	2141.8
30°	1750.2
32.5°	1422.9
35°	1145.3
37.5°	939.5
40°	783.4
42.5°	666.8
45°	582.6
47.5°	513.1
50°	458.6
52.5°	409.0
55°	361.9
57.5°	319.8
60°	275.2
62.5°	235.5
65°	198.3
67.5°	163.6
70°	131.4
72.5°	101.6
75°	74.4
77.5°	52.1
80°	34.7
82.5°	22.3
85°	14.9
87.5°	7.4
90°	0.0

(END OF REPORT)