

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: P365856

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365856
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-FEU6B67-8040-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: 4209.0 lumens
Efficiency: N/A
Efficacy: 57.3 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

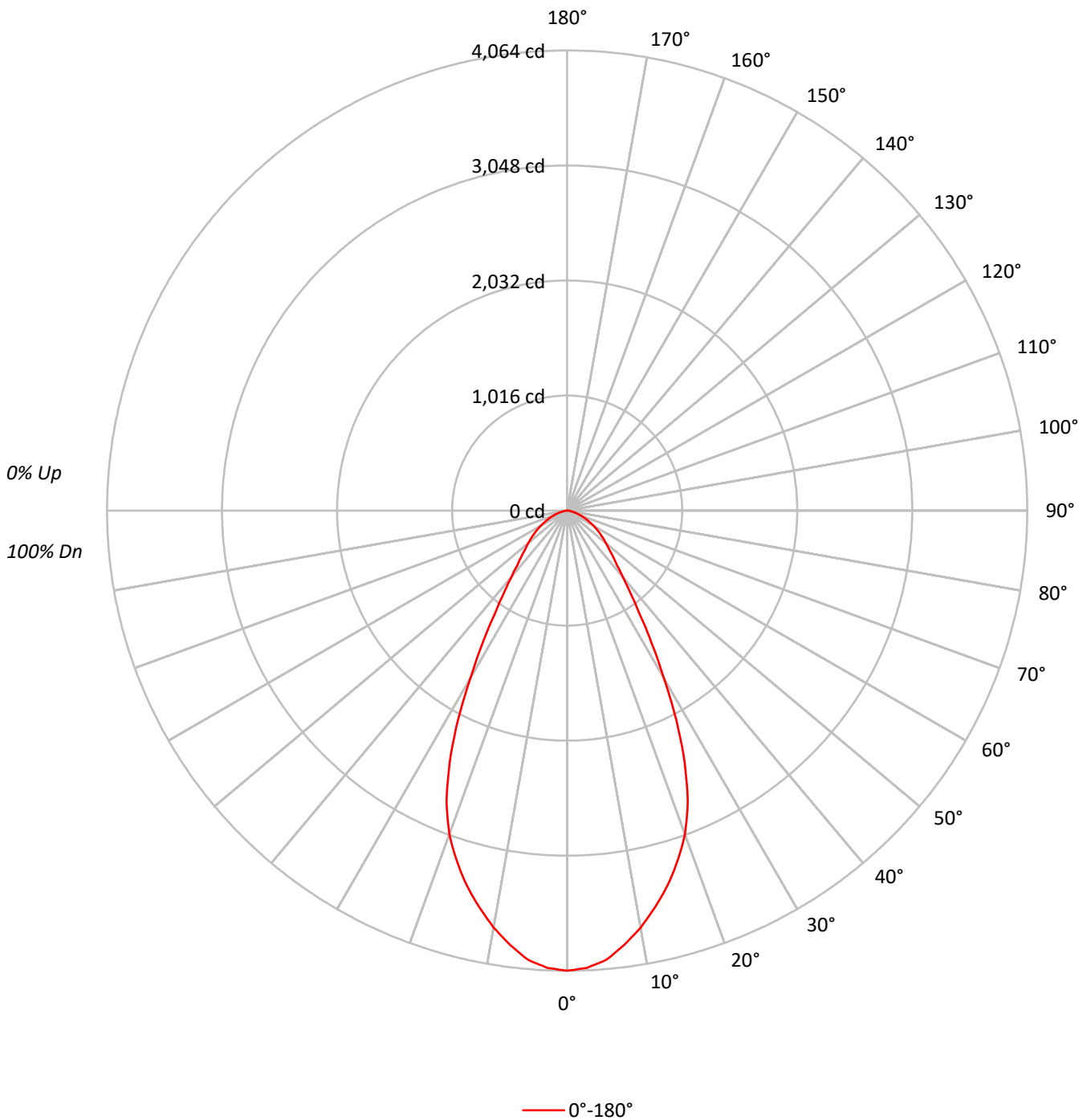
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	290968
5°	286165
10°	271878
15°	254050
20°	231814
25°	194081
30°	141273
35°	97742
40°	71486
45°	57597
50°	49882
55°	44116
60°	38479
65°	32801
70°	26860
75°	20085
80°	13978
85°	11912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.9	8.8
10°-20°	957.2	22.7
20°-30°	1104.9	26.3
30°-40°	720.5	17.1
40°-50°	447.3	10.6
50°-60°	317.7	7.5
60°-70°	193.1	4.6
70°-80°	80.0	1.9
80°-90°	16.5	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°	2434.0	57.8
0°-40°	3154.5	74.9
0°-60°	3919.5	93.1
0°-90°	4209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4209.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4064	
5°	3981	372
15°	3427	957
25°	2457	1105
35°	1118	721
45°	569	447
55°	353	318
65°	194	193
75°	73	80
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4063.7
2.5°	4041.9
5°	3981.4
7.5°	3867.7
10°	3739.4
12.5°	3586.9
15°	3427.2
17.5°	3243.2
20°	3042.3
22.5°	2783.4
25°	2456.6
27.5°	2091.2
30°	1708.7
32.5°	1389.3
35°	1118.2
37.5°	917.3
40°	764.8
42.5°	651.1
45°	568.8
47.5°	501.0
50°	447.8
52.5°	399.4
55°	353.4
57.5°	312.2
60°	268.7
62.5°	229.9
65°	193.6
67.5°	159.7
70°	128.3
72.5°	99.2
75°	72.6
77.5°	50.8
80°	33.9
82.5°	21.8
85°	14.5
87.5°	7.3
90°	0.0

(END OF REPORT)