

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: P365082

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
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-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4972.1 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

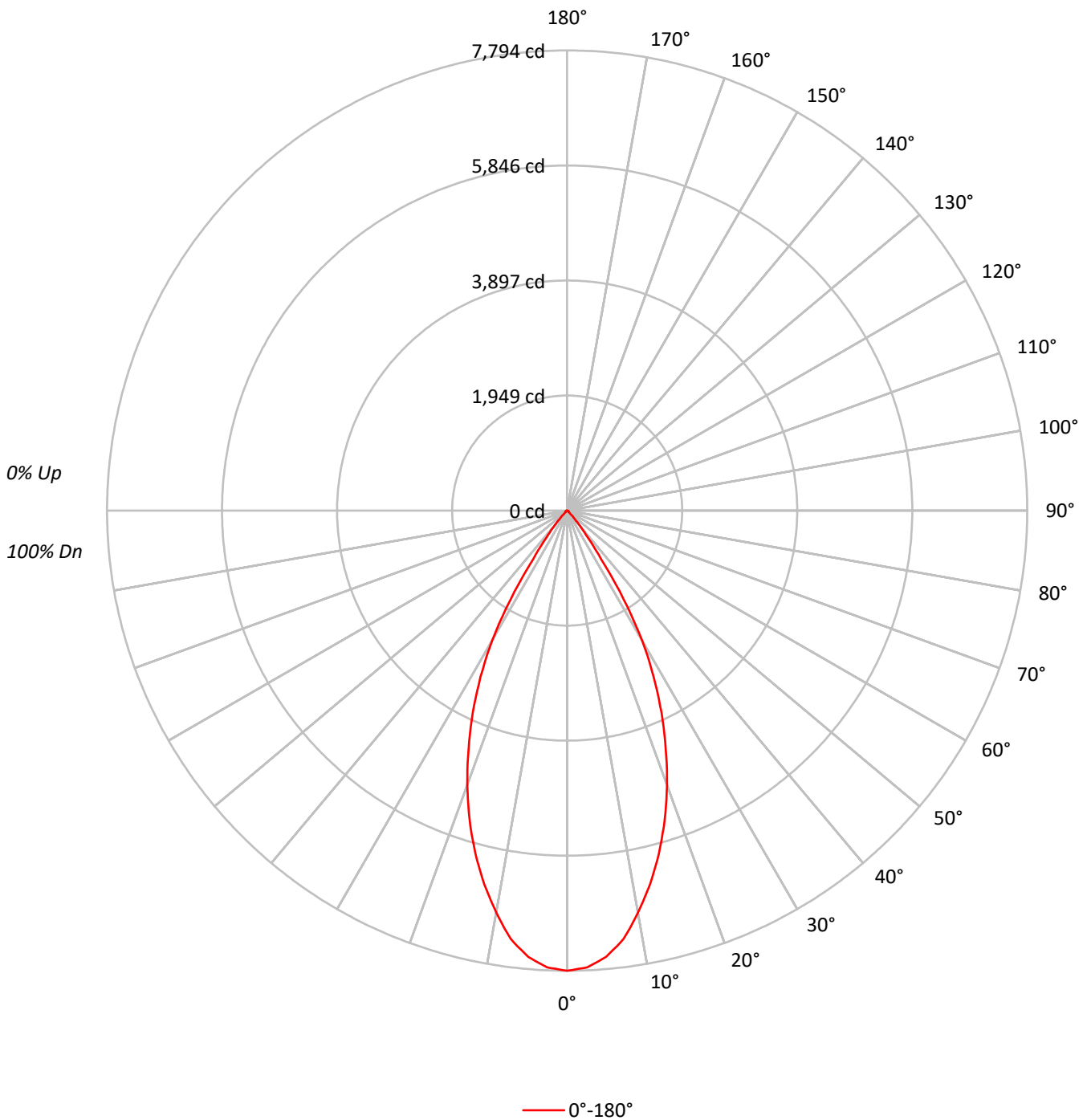
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	558043
5°	545326
10°	502736
15°	445270
20°	376985
25°	298666
30°	209888
35°	87410
40°	29994
45°	8010
50°	4411
55°	4120
60°	3781
65°	3727
70°	3685
75°	4260
80°	5443
85°	9037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.1	14.1
10°-20°	1666.4	33.5
20°-30°	1710.8	34.4
30°-40°	724.4	14.6
40°-50°	89.1	1.8
50°-60°	29.5	0.6
60°-70°	21.8	0.4
70°-80°	16.9	0.3
80°-90°	10.2	0.2
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°	4080.3	82.1
0°-40°	4804.7	96.6
0°-60°	4923.3	99.0
0°-90°	4972.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4972.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7794	
5°	7587	703
15°	6007	1666
25°	3780	1711
35°	1000	724
45°	79	89
55°	33	30
65°	22	22
75°	15	17
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7793.7
2.5°	7743.2
5°	7587.1
7.5°	7319.0
10°	6914.6
12.5°	6483.8
15°	6006.8
17.5°	5494.7
20°	4947.5
22.5°	4365.0
25°	3780.4
27.5°	3176.0
30°	2538.6
32.5°	1789.1
35°	1000.0
37.5°	573.6
40°	320.9
42.5°	169.2
45°	79.1
47.5°	46.2
50°	39.6
52.5°	35.2
55°	33.0
57.5°	30.8
60°	26.4
62.5°	24.2
65°	22.0
67.5°	19.8
70°	17.6
72.5°	17.6
75°	15.4
77.5°	15.4
80°	13.2
82.5°	13.2
85°	11.0
87.5°	6.6
90°	0.0

(END OF REPORT)