

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: P365084

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5322.0 lumens
Efficiency: N/A
Efficacy: 72.5 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

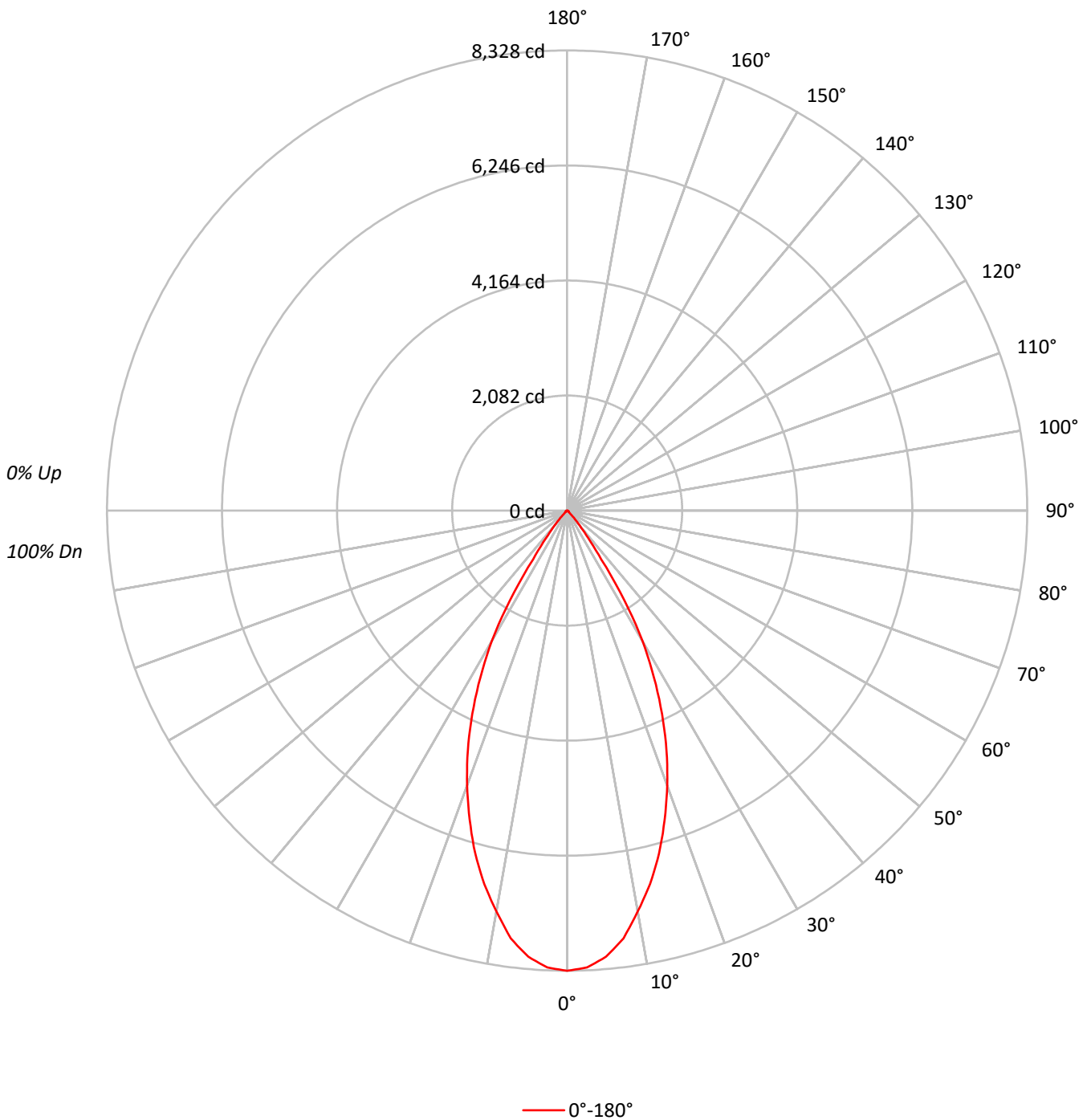
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79
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°	596336
5°	582485
10°	535374
15°	476463
20°	403578
25°	320922
30°	225630
35°	94166
40°	32518
45°	8405
50°	4255
55°	3920
60°	3852
65°	3795
70°	3768
75°	4980
80°	5567
85°	9201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	750.2	14.1
10°-20°	1780.5	33.5
20°-30°	1837.2	34.5
30°-40°	781.5	14.7
40°-50°	93.8	1.8
50°-60°	28.4	0.5
60°-70°	22.2	0.4
70°-80°	17.8	0.3
80°-90°	10.4	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°	4368.0	82.1
0°-40°	5149.5	96.8
0°-60°	5271.6	99.1
0°-90°	5322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5322.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8328	
5°	8104	750
15°	6428	1781
25°	4062	1837
35°	1077	781
45°	83	94
55°	31	28
65°	22	22
75°	18	18
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8328.5
2.5°	8274.6
5°	8104.1
7.5°	7807.8
10°	7363.5
12.5°	6925.8
15°	6427.6
17.5°	5866.5
20°	5296.5
22.5°	4701.8
25°	4062.1
27.5°	3402.3
30°	2729.0
32.5°	1934.6
35°	1077.3
37.5°	619.4
40°	347.9
42.5°	179.5
45°	83.0
47.5°	44.9
50°	38.2
52.5°	33.7
55°	31.4
57.5°	29.2
60°	26.9
62.5°	24.7
65°	22.4
67.5°	20.2
70°	18.0
72.5°	18.0
75°	18.0
77.5°	15.7
80°	13.5
82.5°	13.5
85°	11.2
87.5°	6.7
90°	0.0

(END OF REPORT)