

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: P365117

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365117
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-FEU6B67-8035-F6LBXVM1-LI-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5206.9 lumens
Efficiency: N/A
Efficacy: 70.9 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

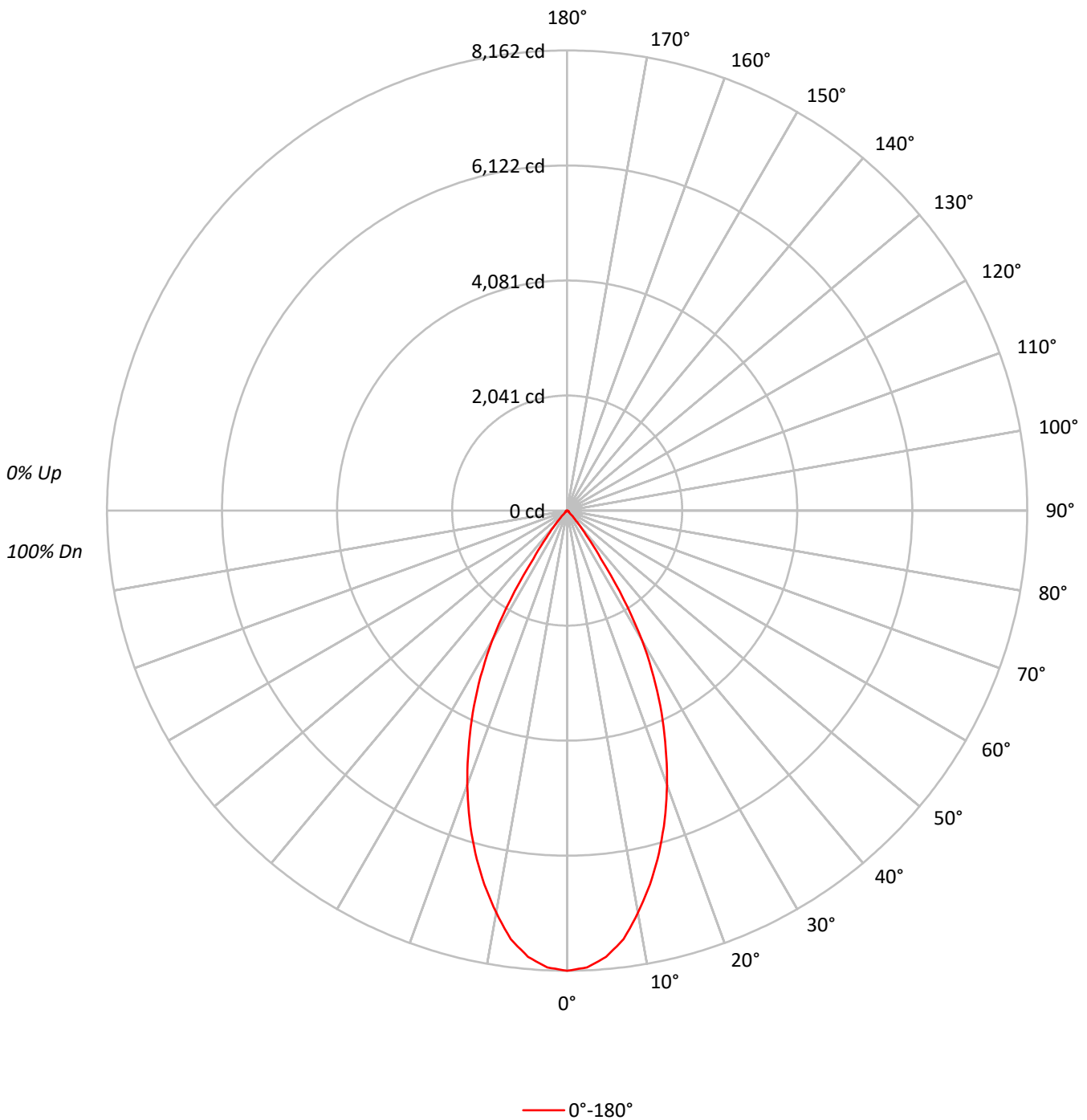
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	584421
5°	571100
10°	526496
15°	466315
20°	394800
25°	312776
30°	219801
35°	91544
40°	31415
45°	8394
50°	4612
55°	4307
60°	3952
65°	3897
70°	3852
75°	4454
80°	5690
85°	9448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	736.3	14.1
10°-20°	1745.2	33.5
20°-30°	1791.6	34.4
30°-40°	758.6	14.6
40°-50°	93.3	1.8
50°-60°	30.8	0.6
60°-70°	22.8	0.4
70°-80°	17.6	0.3
80°-90°	10.6	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°	4273.1	82.1
0°-40°	5031.7	96.6
0°-60°	5155.9	99.0
0°-90°	5206.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5206.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8162	
5°	7946	736
15°	6291	1745
25°	3959	1792
35°	1047	759
45°	83	93
55°	34	31
65°	23	23
75°	16	18
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8162.1
2.5°	8109.1
5°	7945.7
7.5°	7664.9
10°	7241.4
12.5°	6790.2
15°	6290.7
17.5°	5754.4
20°	5181.3
22.5°	4571.3
25°	3959.0
27.5°	3326.1
30°	2658.5
32.5°	1873.6
35°	1047.3
37.5°	600.8
40°	336.1
42.5°	177.2
45°	82.9
47.5°	48.3
50°	41.4
52.5°	36.8
55°	34.5
57.5°	32.2
60°	27.6
62.5°	25.3
65°	23.0
67.5°	20.7
70°	18.4
72.5°	18.4
75°	16.1
77.5°	16.1
80°	13.8
82.5°	13.8
85°	11.5
87.5°	6.9
90°	0.0

(END OF REPORT)