

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: P365120

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365120
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-FEU6B67-8035-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: 5675.0 lumens
Efficiency: N/A
Efficacy: 77.3 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

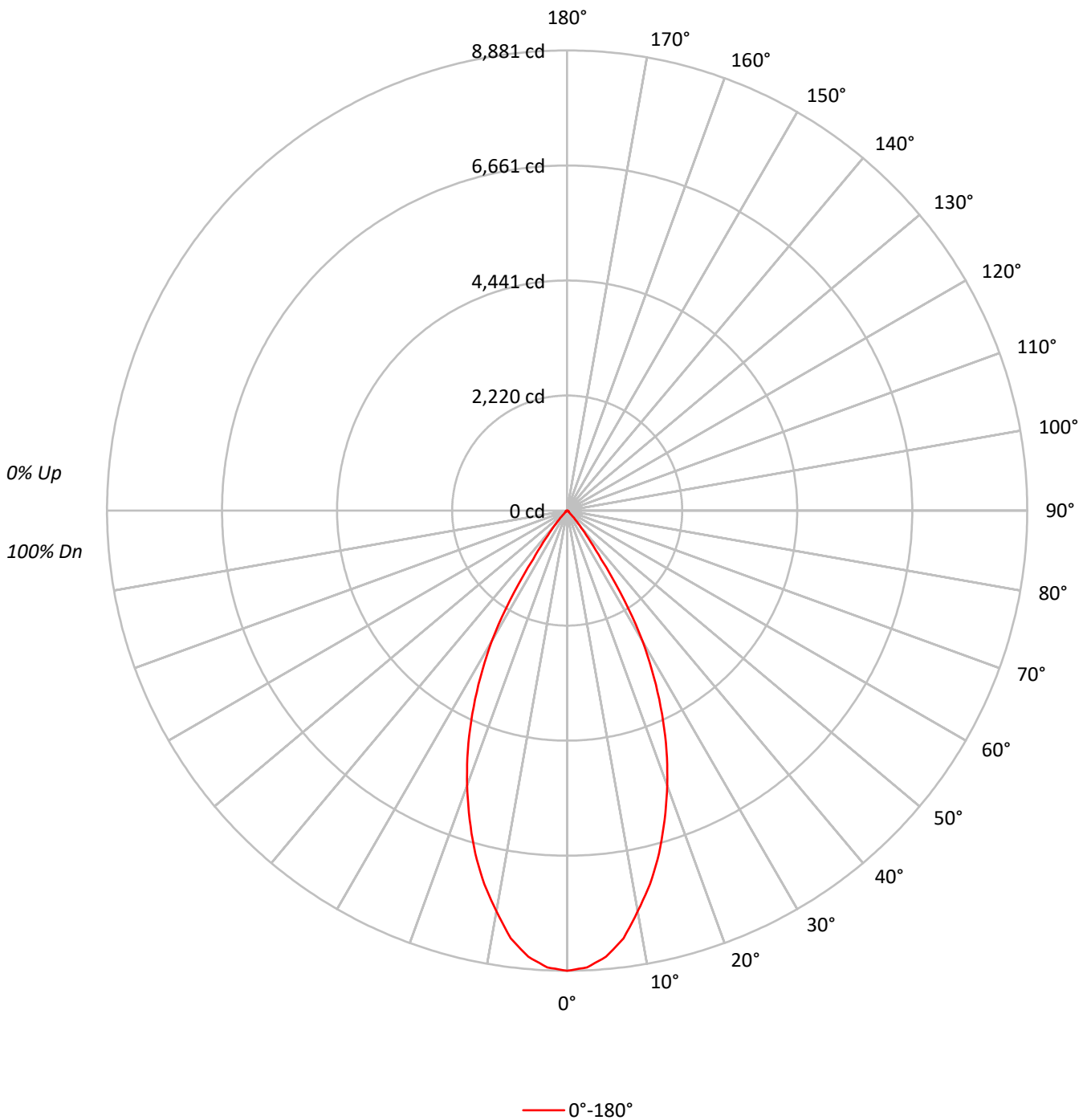
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	635889
5°	621118
10°	570884
15°	508064
20°	430346
25°	342213
30°	240603
35°	100408
40°	34668
45°	8962
50°	4534
55°	4182
60°	4110
65°	4049
70°	3999
75°	5284
80°	5938
85°	9858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.0	14.1
10°-20°	1898.6	33.5
20°-30°	1959.1	34.5
30°-40°	833.3	14.7
40°-50°	100.0	1.8
50°-60°	30.2	0.5
60°-70°	23.7	0.4
70°-80°	19.0	0.3
80°-90°	11.1	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°	4657.7	82.1
0°-40°	5491.0	96.8
0°-60°	5621.3	99.1
0°-90°	5675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5675.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8881	
5°	8642	800
15°	6854	1899
25°	4332	1959
35°	1149	833
45°	88	100
55°	34	30
65°	24	24
75°	19	19
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8880.9
2.5°	8823.5
5°	8641.6
7.5°	8325.7
10°	7851.9
12.5°	7385.2
15°	6853.9
17.5°	6255.7
20°	5647.8
22.5°	5013.6
25°	4331.6
27.5°	3628.0
30°	2910.1
32.5°	2062.9
35°	1148.7
37.5°	660.5
40°	370.9
42.5°	191.5
45°	88.5
47.5°	47.9
50°	40.7
52.5°	35.9
55°	33.5
57.5°	31.1
60°	28.7
62.5°	26.3
65°	23.9
67.5°	21.5
70°	19.1
72.5°	19.1
75°	19.1
77.5°	16.8
80°	14.4
82.5°	14.4
85°	12.0
87.5°	7.2
90°	0.0

(END OF REPORT)