

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: P365103

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5422.0 lumens
Efficiency: N/A
Efficacy: 73.9 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

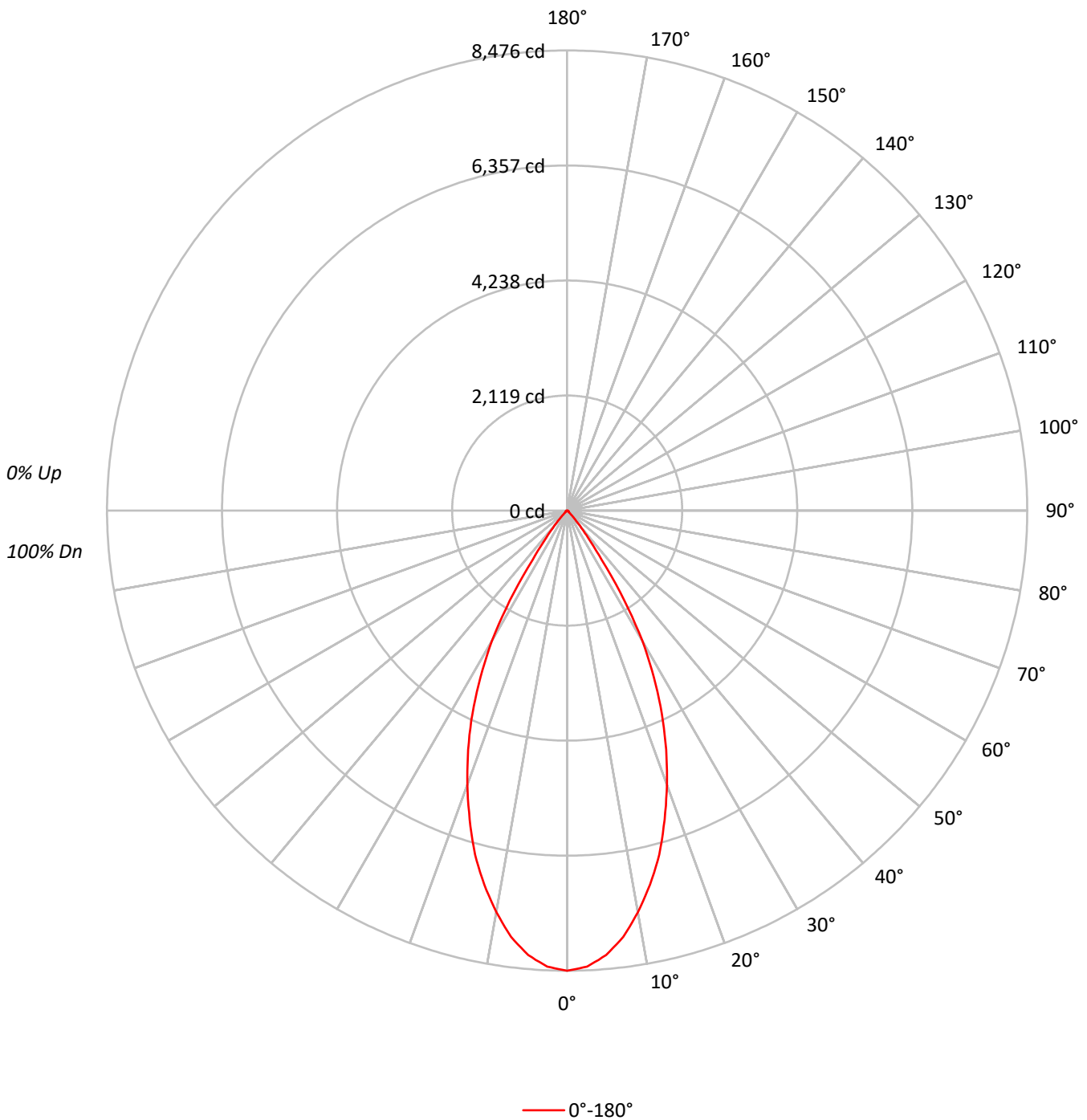
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88
3	104	98	93	90	102	96	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		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
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°	606890
5°	590823
10°	546127
15°	486181
20°	409460
25°	326286
30°	228549
35°	96815
40°	33780
45°	9265
50°	4701
55°	4394
60°	4368
65°	3981
70°	3936
75°	5201
80°	6762
85°	9612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.1	14.1
10°-20°	1813.2	33.4
20°-30°	1865.2	34.4
30°-40°	796.6	14.7
40°-50°	99.5	1.8
50°-60°	31.7	0.6
60°-70°	23.5	0.4
70°-80°	18.9	0.3
80°-90°	11.2	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°	4440.6	81.9
0°-40°	5237.2	96.6
0°-60°	5368.4	99.0
0°-90°	5422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5422.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8476	
5°	8220	762
15°	6559	1813
25°	4130	1865
35°	1108	797
45°	92	99
55°	35	32
65°	24	24
75°	19	19
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8475.9
2.5°	8407.8
5°	8220.1
7.5°	7919.8
10°	7511.4
12.5°	7056.2
15°	6558.7
17.5°	5967.4
20°	5373.7
22.5°	4763.6
25°	4130.0
27.5°	3461.2
30°	2764.3
32.5°	1964.1
35°	1107.6
37.5°	633.6
40°	361.4
42.5°	187.7
45°	91.5
47.5°	49.3
50°	42.2
52.5°	37.5
55°	35.2
57.5°	32.9
60°	30.5
62.5°	25.8
65°	23.5
67.5°	21.1
70°	18.8
72.5°	18.8
75°	18.8
77.5°	16.4
80°	16.4
82.5°	14.1
85°	11.7
87.5°	7.0
90°	0.0

(END OF REPORT)