

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: P365118

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365118
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-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: 5302.0 lumens
Efficiency: N/A
Efficacy: 72.2 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

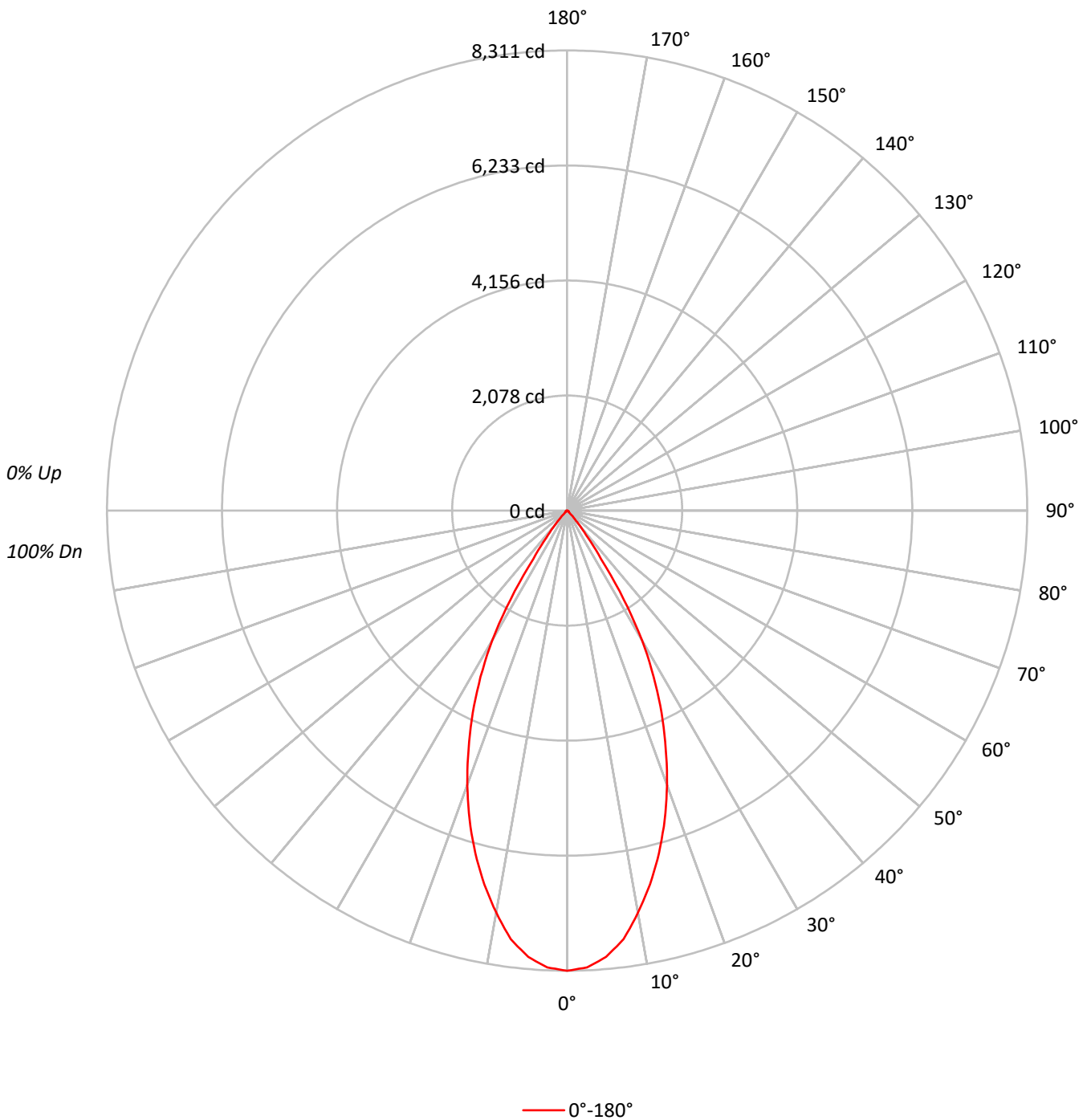
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	595083
5°	581522
10°	536101
15°	474825
20°	402001
25°	318488
30°	223820
35°	93214
40°	31985
45°	8546
50°	4701
55°	4394
60°	4024
65°	3965
70°	3936
75°	4537
80°	5814
85°	9612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	749.8	14.1
10°-20°	1777.0	33.5
20°-30°	1824.3	34.4
30°-40°	772.5	14.6
40°-50°	95.0	1.8
50°-60°	31.4	0.6
60°-70°	23.2	0.4
70°-80°	18.0	0.3
80°-90°	10.9	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°	4351.1	82.1
0°-40°	5123.5	96.6
0°-60°	5250.0	99.0
0°-90°	5302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5302.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8311	
5°	8091	750
15°	6406	1777
25°	4031	1824
35°	1066	772
45°	84	95
55°	35	31
65°	23	23
75°	16	18
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8311.0
2.5°	8257.1
5°	8090.7
7.5°	7804.7
10°	7373.5
12.5°	6914.1
15°	6405.5
17.5°	5859.4
20°	5275.8
22.5°	4654.7
25°	4031.3
27.5°	3386.7
30°	2707.1
32.5°	1907.8
35°	1066.4
37.5°	611.7
40°	342.2
42.5°	180.5
45°	84.4
47.5°	49.2
50°	42.2
52.5°	37.5
55°	35.2
57.5°	32.8
60°	28.1
62.5°	25.8
65°	23.4
67.5°	21.1
70°	18.8
72.5°	18.8
75°	16.4
77.5°	16.4
80°	14.1
82.5°	14.1
85°	11.7
87.5°	7.0
90°	0.0

(END OF REPORT)