

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: P365079

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365079
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-FEU6B67-8027-F6LBXVM1-LI-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5078.0 lumens
Efficiency: N/A
Efficacy: 69.2 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

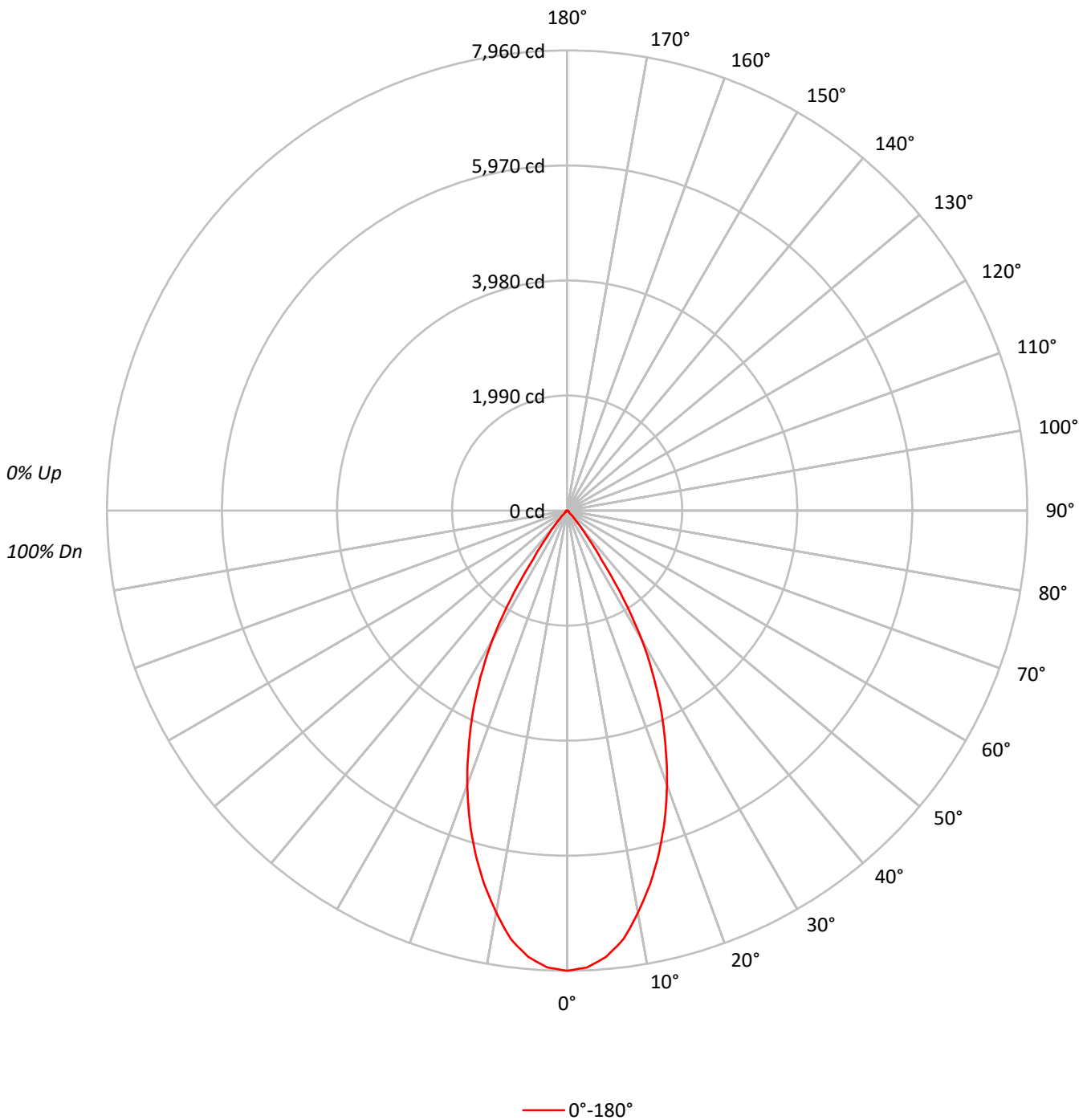
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365079

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR84

Luminous Intensity Polar Plot





TEST NUMBER: P365079

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR84

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°	569944
5°	556955
10°	513453
15°	454766
20°	385016
25°	305034
30°	214361
35°	89280
40°	30630
45°	8182
50°	4500
55°	4207
60°	3852
65°	3795
70°	3768
75°	4343
80°	5567
85°	9201



TEST NUMBER: P365079

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.1	14.1
10°-20°	1702.0	33.5
20°-30°	1747.2	34.4
30°-40°	739.9	14.6
40°-50°	91.0	1.8
50°-60°	30.1	0.6
60°-70°	22.2	0.4
70°-80°	17.2	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°	4167.3	82.1
0°-40°	4907.1	96.6
0°-60°	5028.2	99.0
0°-90°	5078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5078.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7960	
5°	7749	718
15°	6135	1702
25°	3861	1747
35°	1021	740
45°	81	91
55°	34	30
65°	22	22
75°	16	17
85°	11	10
90°	0	



TEST NUMBER: P365079

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR84

CANDELA DISTRIBUTION (FULL):

0°	
0°	7959.9
2.5°	7908.2
5°	7748.9
7.5°	7475.0
10°	7062.0
12.5°	6622.0
15°	6134.9
17.5°	5611.9
20°	5052.9
22.5°	4458.1
25°	3861.0
27.5°	3243.7
30°	2592.7
32.5°	1827.2
35°	1021.4
37.5°	585.9
40°	327.7
42.5°	172.8
45°	80.8
47.5°	47.1
50°	40.4
52.5°	35.9
55°	33.7
57.5°	31.4
60°	26.9
62.5°	24.7
65°	22.4
67.5°	20.2
70°	18.0
72.5°	18.0
75°	15.7
77.5°	15.7
80°	13.5
82.5°	13.5
85°	11.2
87.5°	6.7
90°	0.0

(END OF REPORT)