

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: P365081

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365081
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-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: 4883.0 lumens
Efficiency: N/A
Efficacy: 66.5 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

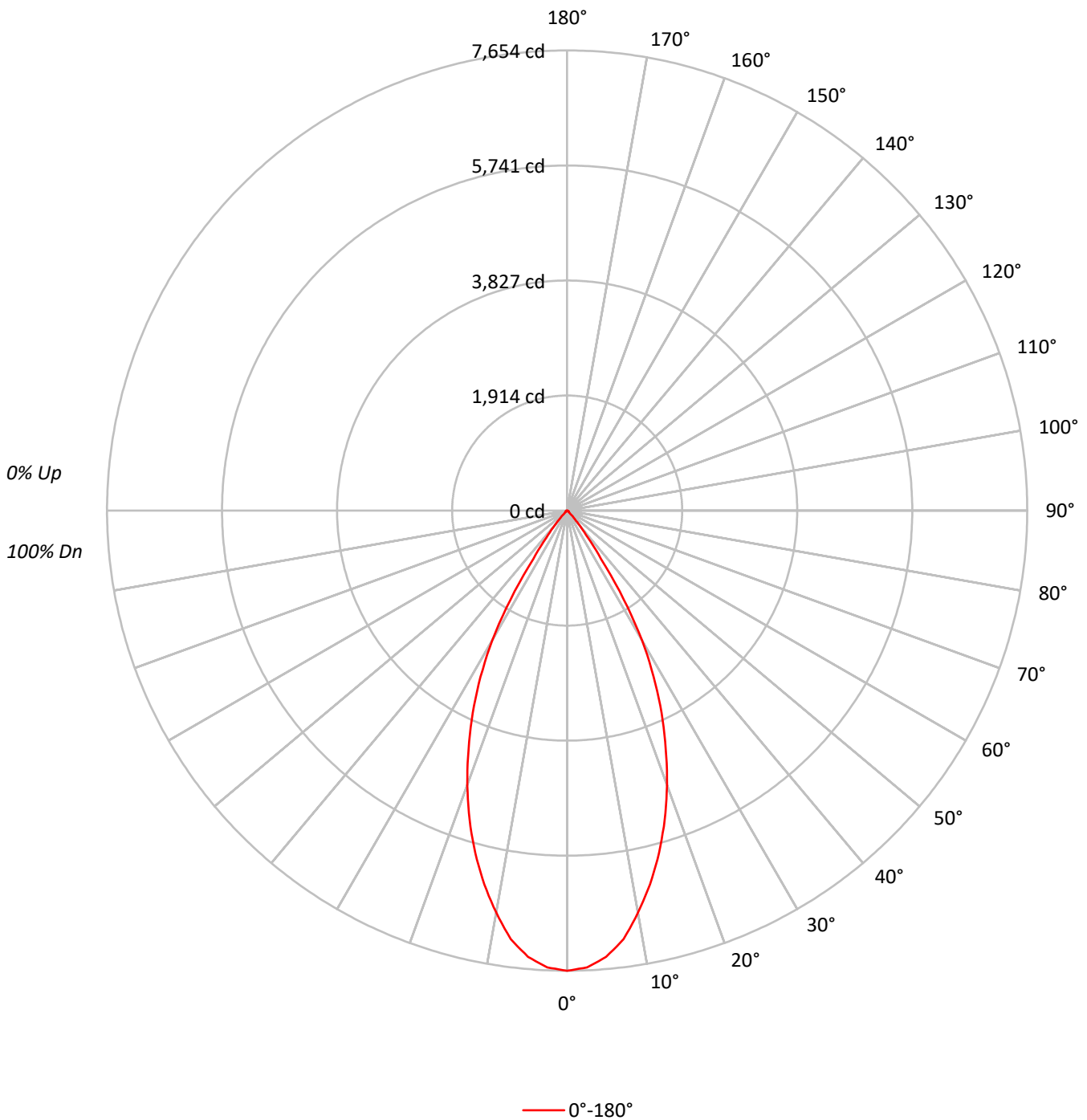
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	548055
5°	535565
10°	493735
15°	437302
20°	370234
25°	293318
30°	206126
35°	85845
40°	29452
45°	7868
50°	4333
55°	4045
60°	3709
65°	3660
70°	3622
75°	4177
80°	5360
85°	8873



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.5	14.1
10°-20°	1636.6	33.5
20°-30°	1680.1	34.4
30°-40°	711.4	14.6
40°-50°	87.5	1.8
50°-60°	28.9	0.6
60°-70°	21.4	0.4
70°-80°	16.6	0.3
80°-90°	10.0	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°	4007.2	82.1
0°-40°	4718.7	96.6
0°-60°	4835.1	99.0
0°-90°	4883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4883.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7654	
5°	7451	691
15°	5899	1637
25°	3713	1680
35°	982	711
45°	78	87
55°	32	29
65°	22	21
75°	15	17
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7654.2
2.5°	7604.6
5°	7451.3
7.5°	7188.0
10°	6790.8
12.5°	6367.7
15°	5899.3
17.5°	5396.4
20°	4858.9
22.5°	4286.9
25°	3712.7
27.5°	3119.1
30°	2493.1
32.5°	1757.1
35°	982.1
37.5°	563.4
40°	315.1
42.5°	166.2
45°	77.7
47.5°	45.3
50°	38.9
52.5°	34.5
55°	32.4
57.5°	30.2
60°	25.9
62.5°	23.7
65°	21.6
67.5°	19.4
70°	17.3
72.5°	17.3
75°	15.1
77.5°	15.1
80°	13.0
82.5°	13.0
85°	10.8
87.5°	6.5
90°	0.0

(END OF REPORT)