

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: P365101

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365101
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-FEU6B67-8030-F6LBXVM1-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5145.0 lumens
Efficiency: N/A
Efficacy: 70.1 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

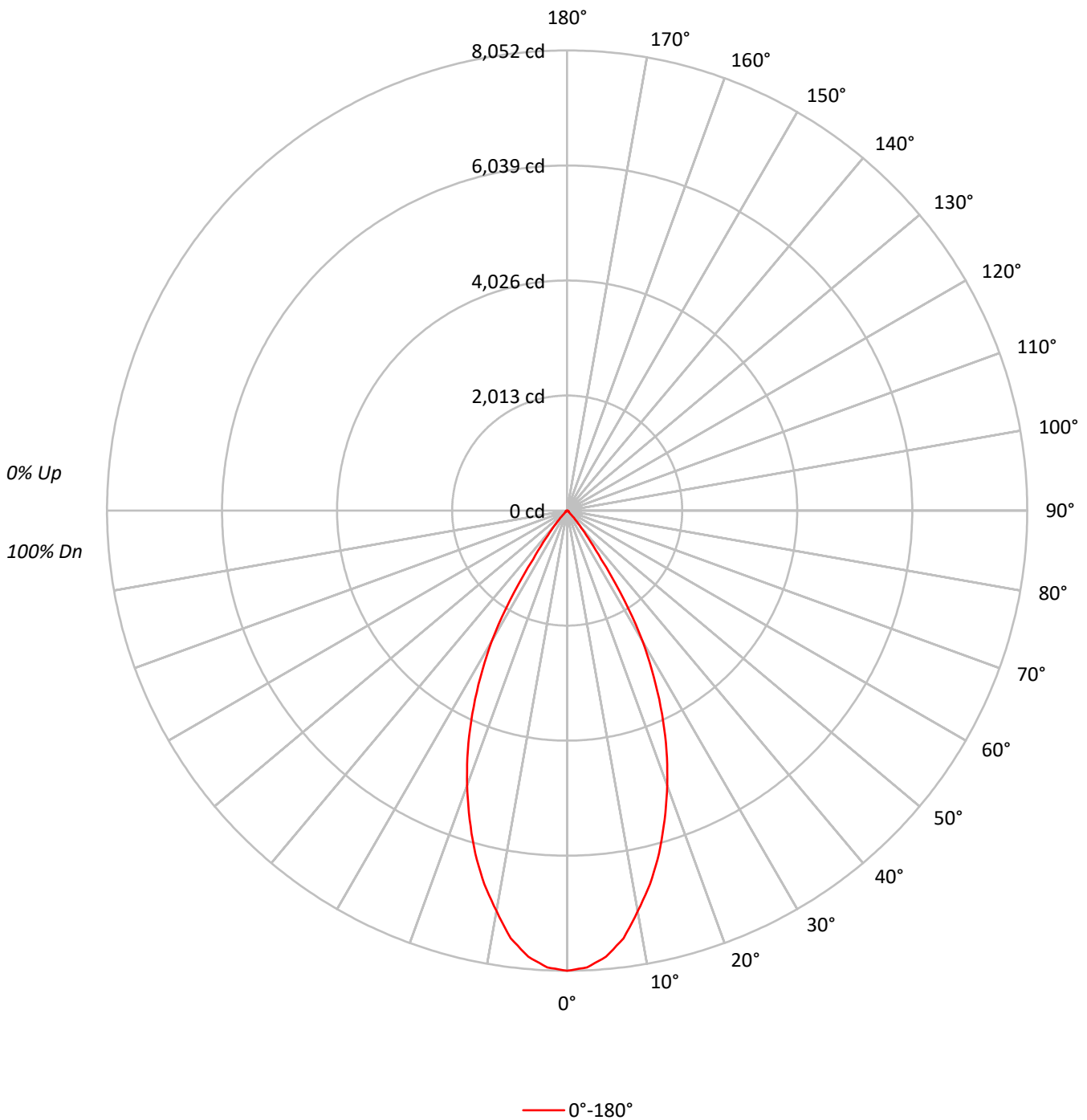
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	576502
5°	563115
10°	517568
15°	460615
20°	390152
25°	310248
30°	218131
35°	91028
40°	31434
45°	8131
50°	4110
55°	3795
60°	3723
65°	3677
70°	3643
75°	4814
80°	5360
85°	8873



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.3	14.1
10°-20°	1721.3	33.5
20°-30°	1776.1	34.5
30°-40°	755.5	14.7
40°-50°	90.7	1.8
50°-60°	27.4	0.5
60°-70°	21.5	0.4
70°-80°	17.2	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°	4222.7	82.1
0°-40°	4978.2	96.8
0°-60°	5096.3	99.1
0°-90°	5145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5145.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8052	
5°	7835	725
15°	6214	1721
25°	3927	1776
35°	1041	755
45°	80	91
55°	30	27
65°	22	21
75°	17	17
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8051.5
2.5°	7999.4
5°	7834.6
7.5°	7548.2
10°	7118.6
12.5°	6695.5
15°	6213.8
17.5°	5671.4
20°	5120.3
22.5°	4545.4
25°	3927.0
27.5°	3289.2
30°	2638.3
32.5°	1870.2
35°	1041.4
37.5°	598.8
40°	336.3
42.5°	173.6
45°	80.3
47.5°	43.4
50°	36.9
52.5°	32.5
55°	30.4
57.5°	28.2
60°	26.0
62.5°	23.9
65°	21.7
67.5°	19.5
70°	17.4
72.5°	17.4
75°	17.4
77.5°	15.2
80°	13.0
82.5°	13.0
85°	10.8
87.5°	6.5
90°	0.0

(END OF REPORT)