

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: P365137

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365137
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-FEU6B67-8040-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: 5304.0 lumens
Efficiency: N/A
Efficacy: 72.3 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

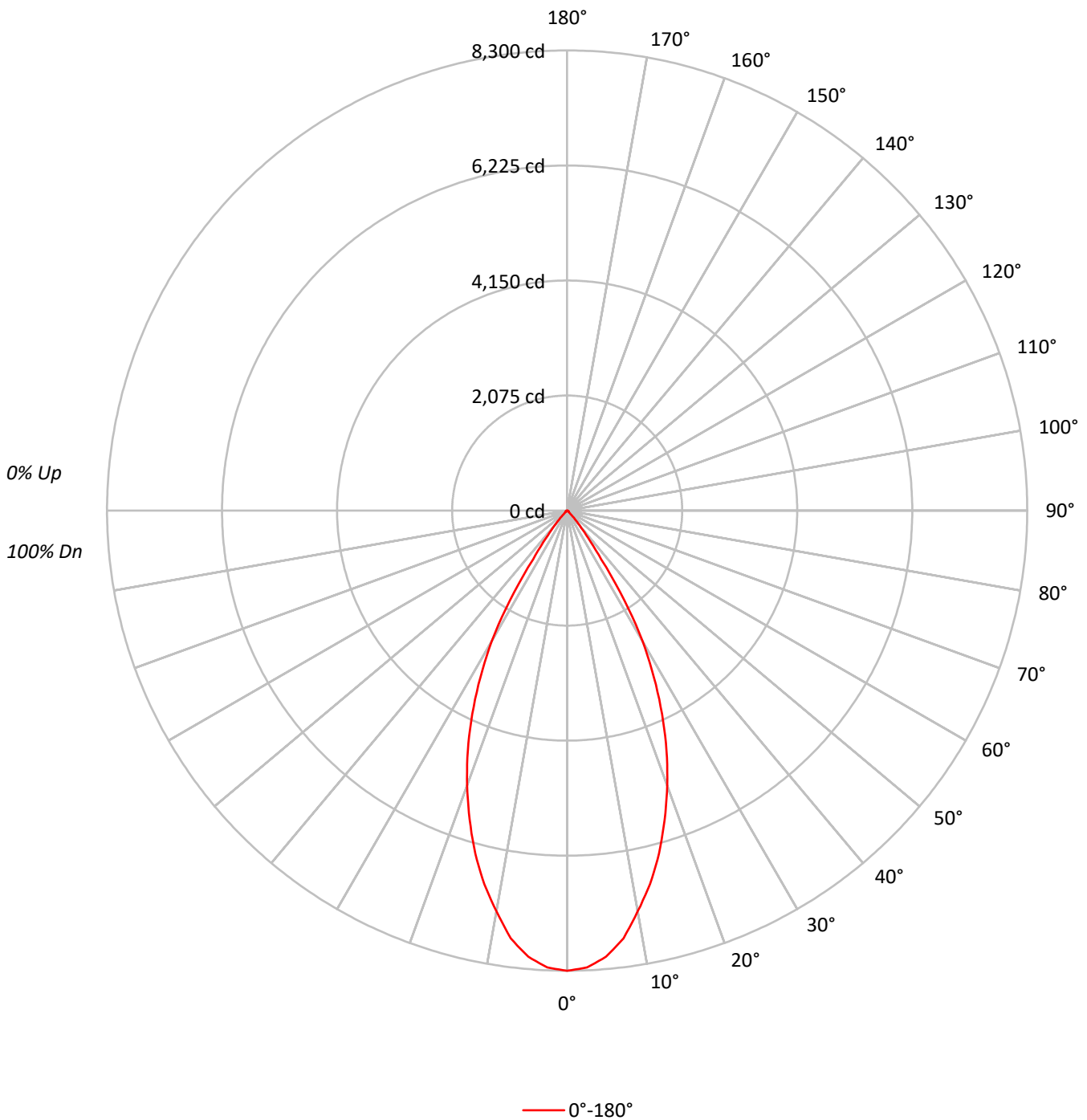
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	594317
5°	580516
10°	533563
15°	474855
20°	402214
25°	319839
30°	224870
35°	93843
40°	32406
45°	8384
50°	4233
55°	3907
60°	3838
65°	3795
70°	3747
75°	4952
80°	5525
85°	9201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.7	14.1
10°-20°	1774.5	33.5
20°-30°	1831.0	34.5
30°-40°	778.8	14.7
40°-50°	93.5	1.8
50°-60°	28.3	0.5
60°-70°	22.1	0.4
70°-80°	17.7	0.3
80°-90°	10.3	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°	4353.2	82.1
0°-40°	5132.1	96.8
0°-60°	5253.8	99.1
0°-90°	5304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5304.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8300	
5°	8077	748
15°	6406	1774
25°	4048	1831
35°	1074	779
45°	83	93
55°	31	28
65°	22	22
75°	18	18
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8300.3
2.5°	8246.7
5°	8076.7
7.5°	7781.4
10°	7338.6
12.5°	6902.4
15°	6405.9
17.5°	5846.7
20°	5278.6
22.5°	4685.9
25°	4048.4
27.5°	3390.8
30°	2719.8
32.5°	1928.0
35°	1073.6
37.5°	617.3
40°	346.7
42.5°	178.9
45°	82.8
47.5°	44.7
50°	38.0
52.5°	33.6
55°	31.3
57.5°	29.1
60°	26.8
62.5°	24.6
65°	22.4
67.5°	20.1
70°	17.9
72.5°	17.9
75°	17.9
77.5°	15.7
80°	13.4
82.5°	13.4
85°	11.2
87.5°	6.7
90°	0.0

(END OF REPORT)