

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: P365155

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365155
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-FEU6B67-8050-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: 5432.0 lumens
Efficiency: N/A
Efficacy: 74.0 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

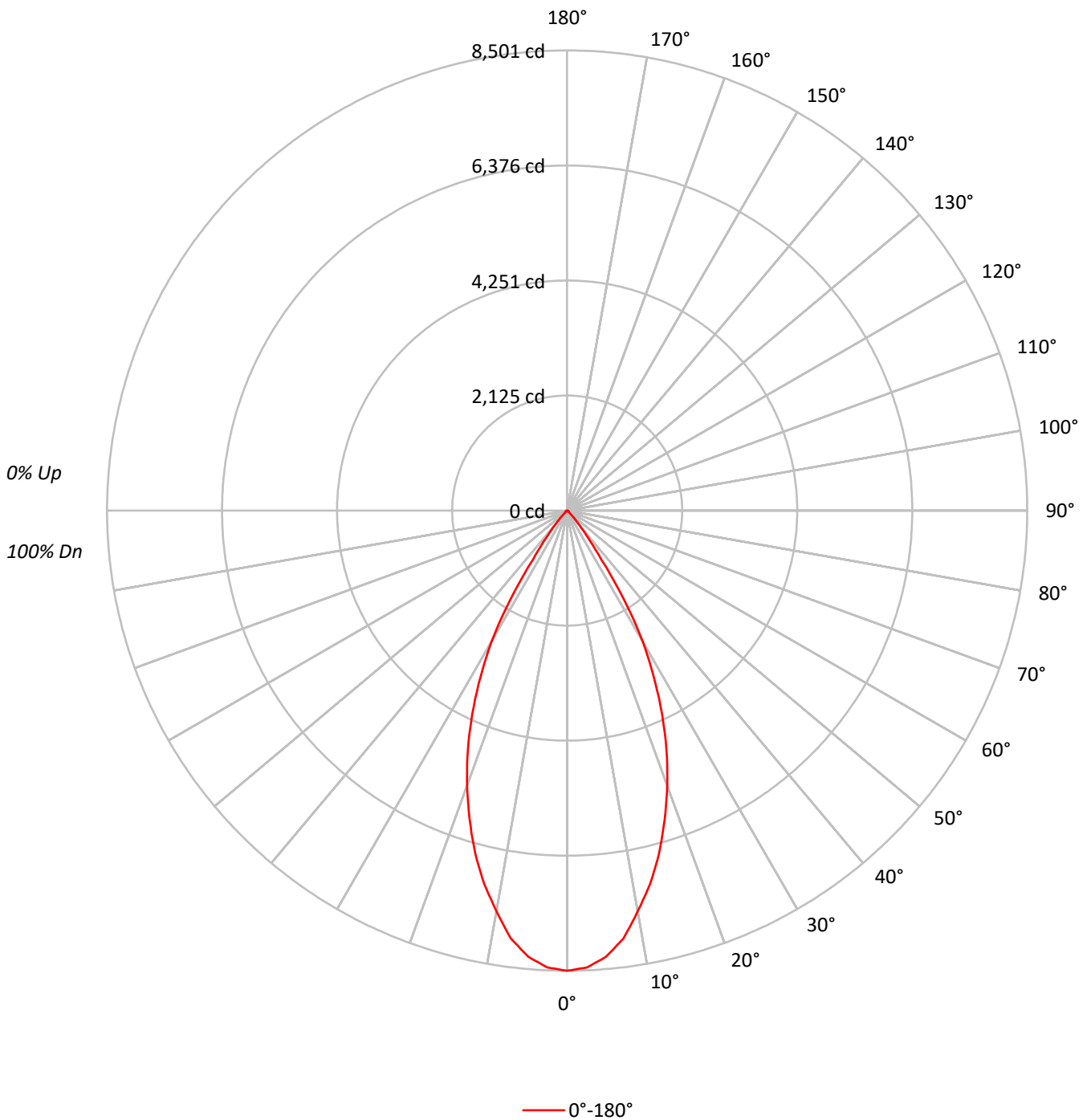
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	608666
5°	594524
10°	546440
15°	486315
20°	411922
25°	327558
30°	230293
35°	96107
40°	33191
45°	8587
50°	4333
55°	4007
60°	3938
65°	3880
70°	3831
75°	5063
80°	5649
85°	9448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.8	14.1
10°-20°	1817.3	33.5
20°-30°	1875.2	34.5
30°-40°	797.6	14.7
40°-50°	95.7	1.8
50°-60°	29.0	0.5
60°-70°	22.7	0.4
70°-80°	18.1	0.3
80°-90°	10.6	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°	4458.3	82.1
0°-40°	5255.9	96.8
0°-60°	5380.6	99.1
0°-90°	5432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5432.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8501	
5°	8272	766
15°	6560	1817
25°	4146	1875
35°	1100	798
45°	85	96
55°	32	29
65°	23	23
75°	18	18
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8500.7
2.5°	8445.7
5°	8271.6
7.5°	7969.2
10°	7515.7
12.5°	7069.0
15°	6560.5
17.5°	5987.8
20°	5406.0
22.5°	4798.9
25°	4146.1
27.5°	3472.6
30°	2785.4
32.5°	1974.6
35°	1099.5
37.5°	632.2
40°	355.1
42.5°	183.3
45°	84.8
47.5°	45.8
50°	38.9
52.5°	34.4
55°	32.1
57.5°	29.8
60°	27.5
62.5°	25.2
65°	22.9
67.5°	20.6
70°	18.3
72.5°	18.3
75°	18.3
77.5°	16.0
80°	13.7
82.5°	13.7
85°	11.5
87.5°	6.9
90°	0.0

(END OF REPORT)