

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: P365156

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365156
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5874.0 lumens
Efficiency: N/A
Efficacy: 80.0 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

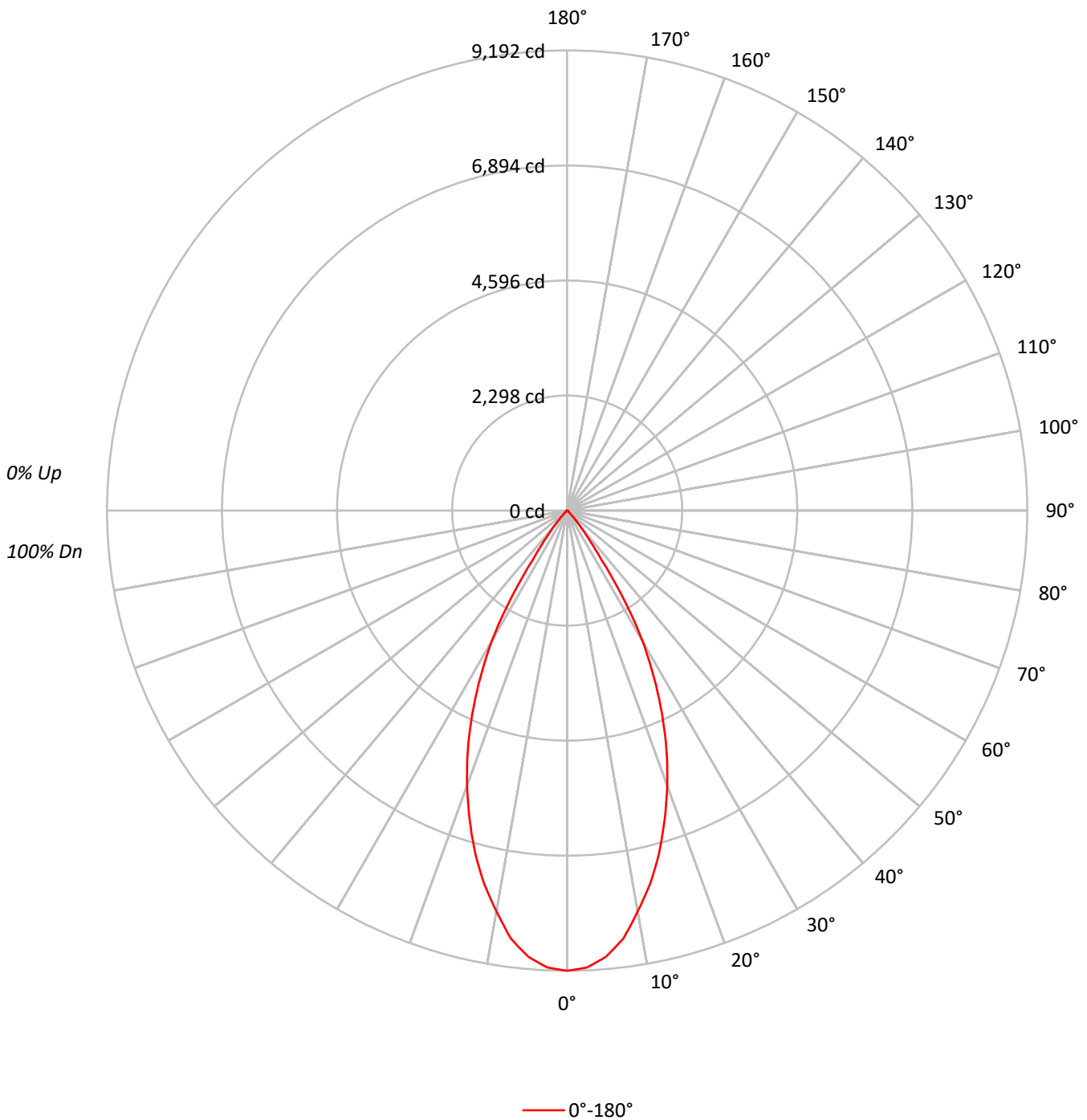
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	658186
5°	642896
10°	590900
15°	525884
20°	445433
25°	354214
30°	249037
35°	103930
40°	35883
45°	9286
50°	4690
55°	4332
60°	4253
65°	4202
70°	4145
75°	5478
80°	6144
85°	10187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.1	14.1
10°-20°	1965.2	33.5
20°-30°	2027.8	34.5
30°-40°	862.5	14.7
40°-50°	103.5	1.8
50°-60°	31.3	0.5
60°-70°	24.5	0.4
70°-80°	19.6	0.3
80°-90°	11.5	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°	4821.1	82.1
0°-40°	5683.6	96.8
0°-60°	5818.4	99.1
0°-90°	5874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5874.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9192	
5°	8945	828
15°	7094	1965
25°	4484	2028
35°	1189	863
45°	92	104
55°	35	31
65°	25	25
75°	20	20
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9192.3
2.5°	9132.9
5°	8944.6
7.5°	8617.7
10°	8127.2
12.5°	7644.2
15°	7094.3
17.5°	6475.0
20°	5845.8
22.5°	5189.4
25°	4483.5
27.5°	3755.2
30°	3012.1
32.5°	2135.2
35°	1189.0
37.5°	683.7
40°	383.9
42.5°	198.2
45°	91.7
47.5°	49.5
50°	42.1
52.5°	37.2
55°	34.7
57.5°	32.2
60°	29.7
62.5°	27.2
65°	24.8
67.5°	22.3
70°	19.8
72.5°	19.8
75°	19.8
77.5°	17.3
80°	14.9
82.5°	14.9
85°	12.4
87.5°	7.4
90°	0.0

(END OF REPORT)