

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: P366579

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
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-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5476.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

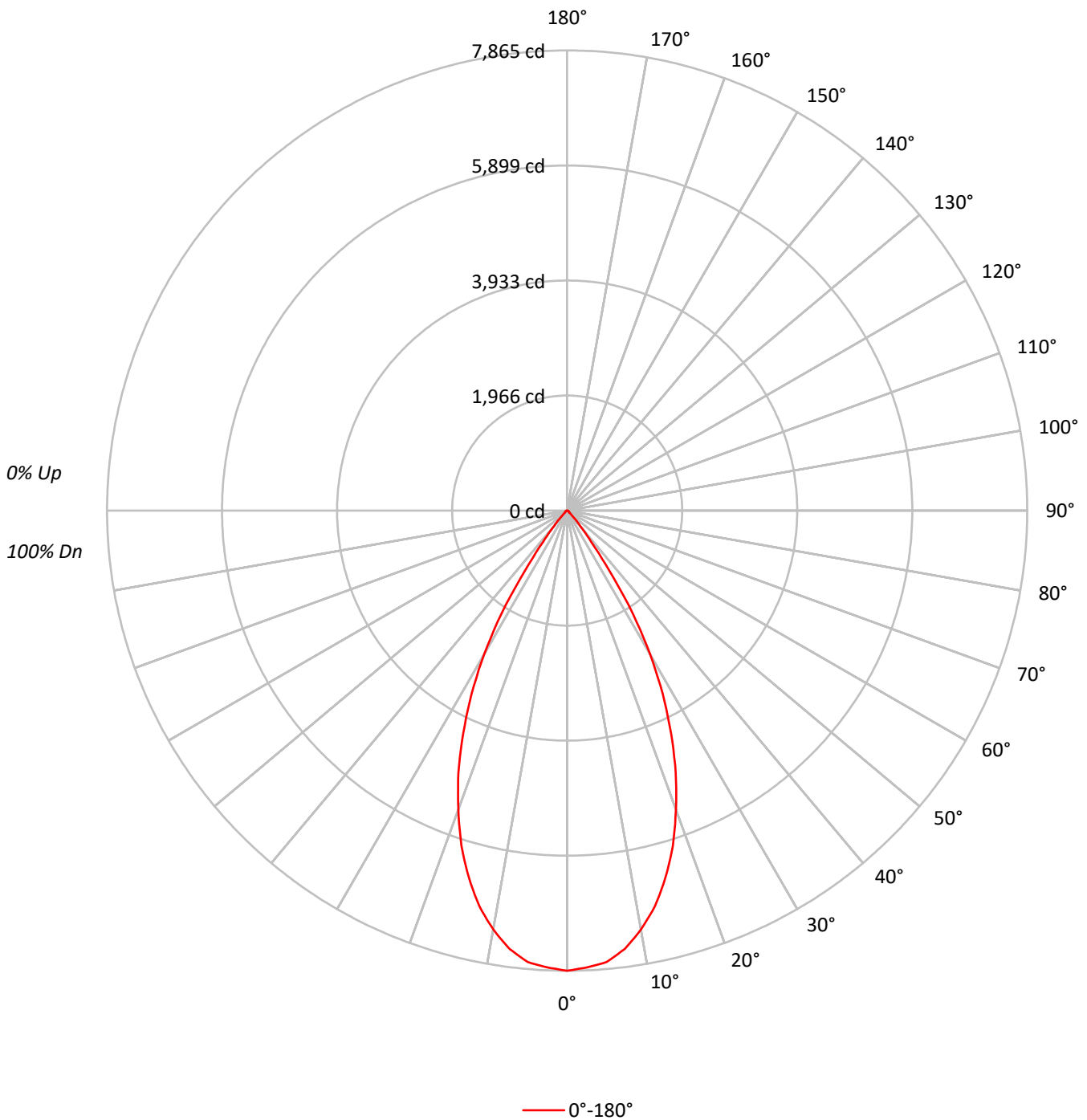
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	563141
5°	556775
10°	528576
15°	481363
20°	414268
25°	331888
30°	234154
35°	108449
40°	35266
45°	11270
50°	5391
55°	4831
60°	4497
65°	4100
70°	4040
75°	5339
80°	5979
85°	9941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.8	13.2
10°-20°	1800.9	32.9
20°-30°	1900.5	34.7
30°-40°	850.5	15.5
40°-50°	111.3	2.0
50°-60°	34.3	0.6
60°-70°	24.2	0.4
70°-80°	19.1	0.3
80°-90°	11.2	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°	4425.3	80.8
0°-40°	5275.8	96.3
0°-60°	5421.4	99.0
0°-90°	5476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5476.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7865	
5°	7746	724
15°	6494	1801
25°	4201	1901
35°	1241	851
45°	111	111
55°	39	34
65°	24	24
75°	19	19
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7864.9
2.5°	7814.2
5°	7746.4
7.5°	7555.4
10°	7270.0
12.5°	6929.0
15°	6493.7
17.5°	6010.0
20°	5436.8
22.5°	4853.9
25°	4200.9
27.5°	3540.7
30°	2832.1
32.5°	2099.3
35°	1240.7
37.5°	674.8
40°	377.3
42.5°	210.4
45°	111.3
47.5°	58.0
50°	48.4
52.5°	41.1
55°	38.7
57.5°	33.9
60°	31.4
62.5°	26.6
65°	24.2
67.5°	21.8
70°	19.3
72.5°	19.3
75°	19.3
77.5°	16.9
80°	14.5
82.5°	14.5
85°	12.1
87.5°	7.3
90°	0.0

(END OF REPORT)