

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: P366519

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4999.0 lumens
Efficiency: N/A
Efficacy: 68.1 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

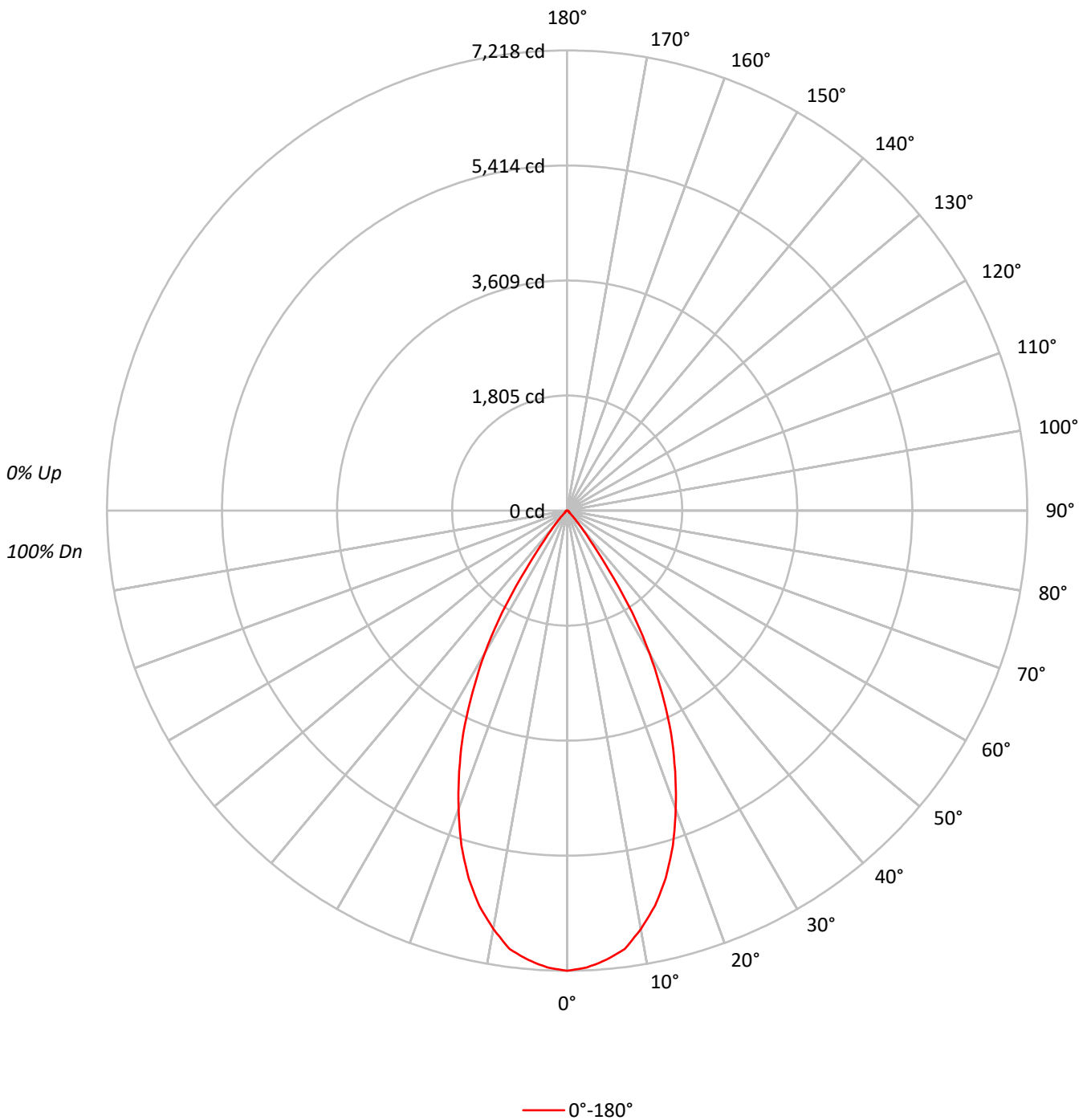
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	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	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	516844
5°	508331
10°	484356
15°	442594
20°	379553
25°	304544
30°	213526
35°	98651
40°	31667
45°	10227
50°	4745
55°	4207
60°	4182
65°	3795
70°	3768
75°	4343
80°	5567
85°	9201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.3	13.3
10°-20°	1652.2	33.1
20°-30°	1735.2	34.7
30°-40°	770.0	15.4
40°-50°	99.5	2.0
50°-60°	31.1	0.6
60°-70°	21.9	0.4
70°-80°	16.0	0.3
80°-90°	9.8	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°	4050.7	81.0
0°-40°	4820.7	96.4
0°-60°	4951.3	99.0
0°-90°	4999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4999.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7218	
5°	7072	663
15°	5971	1652
25°	3855	1735
35°	1129	770
45°	101	99
55°	34	31
65°	22	22
75°	16	16
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7218.3
2.5°	7173.4
5°	7072.4
7.5°	6935.6
10°	6661.8
12.5°	6354.4
15°	5970.7
17.5°	5510.8
20°	4981.2
22.5°	4424.8
25°	3854.8
27.5°	3215.4
30°	2582.6
32.5°	1898.3
35°	1128.6
37.5°	601.3
40°	338.8
42.5°	186.2
45°	101.0
47.5°	51.6
50°	42.6
52.5°	38.1
55°	33.7
57.5°	31.4
60°	29.2
62.5°	24.7
65°	22.4
67.5°	18.0
70°	18.0
72.5°	15.7
75°	15.7
77.5°	13.5
80°	13.5
82.5°	11.2
85°	11.2
87.5°	6.7
90°	0.0

(END OF REPORT)