

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: P366588

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5614.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

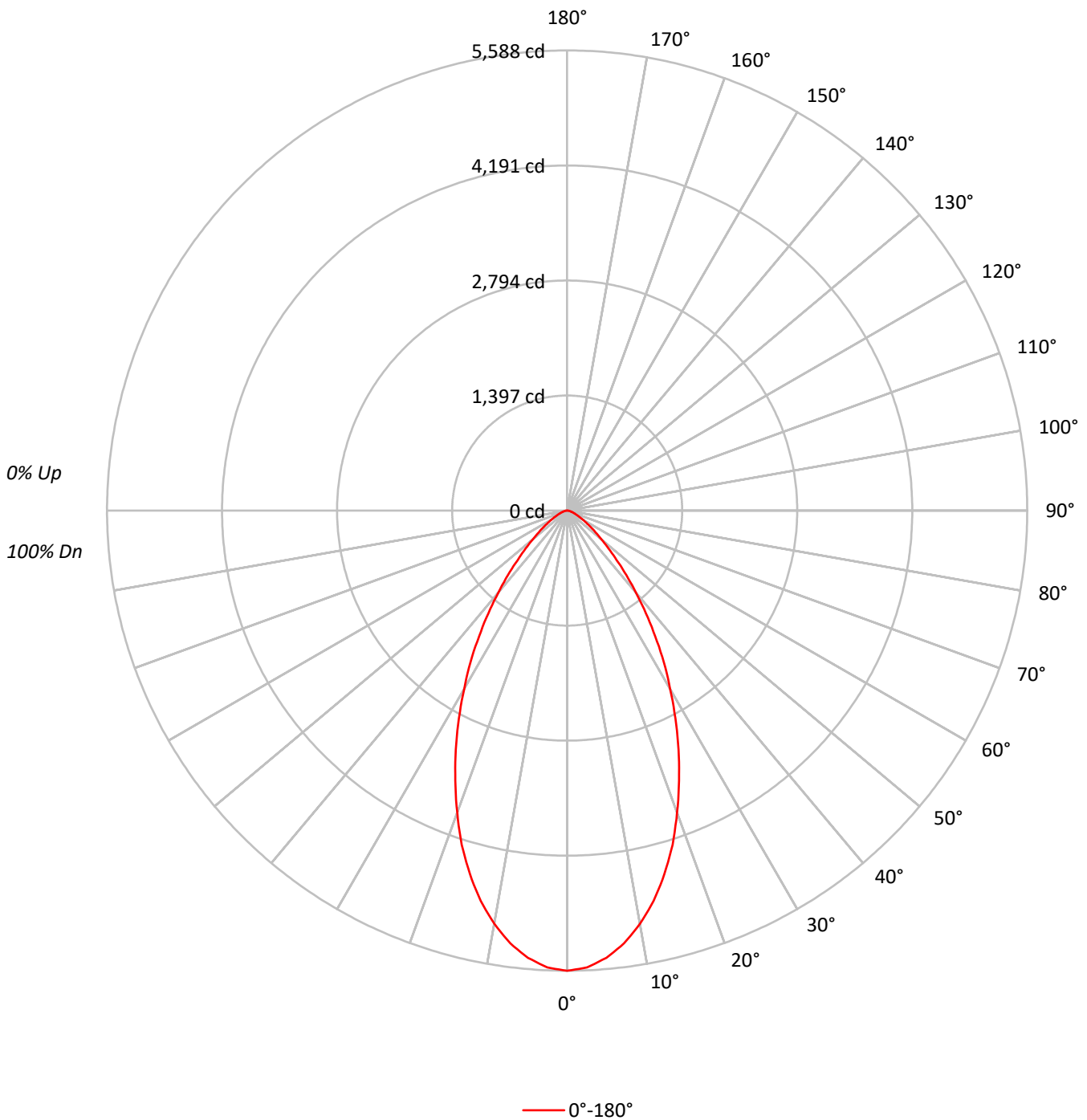
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	400111
5°	391850
10°	370447
15°	338578
20°	297451
25°	252828
30°	206837
35°	162818
40°	121314
45°	86031
50°	60698
55°	43605
60°	31218
65°	22669
70°	17627
75°	14386
80°	12246
85°	12241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.2	9.1
10°-20°	1270.9	22.6
20°-30°	1462.0	26.0
30°-40°	1166.6	20.8
40°-50°	672.5	12.0
50°-60°	320.5	5.7
60°-70°	138.7	2.5
70°-80°	56.8	1.0
80°-90°	16.9	0.3
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°	3242.1	57.7
0°-40°	4408.6	78.5
0°-60°	5401.7	96.2
0°-90°	5614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5614.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5588	
5°	5452	509
15°	4568	1271
25°	3200	1462
35°	1863	1167
45°	850	672
55°	349	321
65°	134	139
75°	52	57
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5588.0
2.5°	5553.3
5°	5451.8
7.5°	5300.7
10°	5095.1
12.5°	4854.8
15°	4567.5
17.5°	4255.4
20°	3903.7
22.5°	3549.5
25°	3200.2
27.5°	2846.0
30°	2501.7
32.5°	2187.2
35°	1862.7
37.5°	1572.9
40°	1297.9
42.5°	1062.6
45°	849.6
47.5°	681.2
50°	544.9
52.5°	435.9
55°	349.3
57.5°	274.9
60°	218.0
62.5°	170.9
65°	133.8
67.5°	106.5
70°	84.2
72.5°	66.9
75°	52.0
77.5°	39.6
80°	29.7
82.5°	22.3
85°	14.9
87.5°	9.9
90°	0.0

(END OF REPORT)