

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: P366512

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5554.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

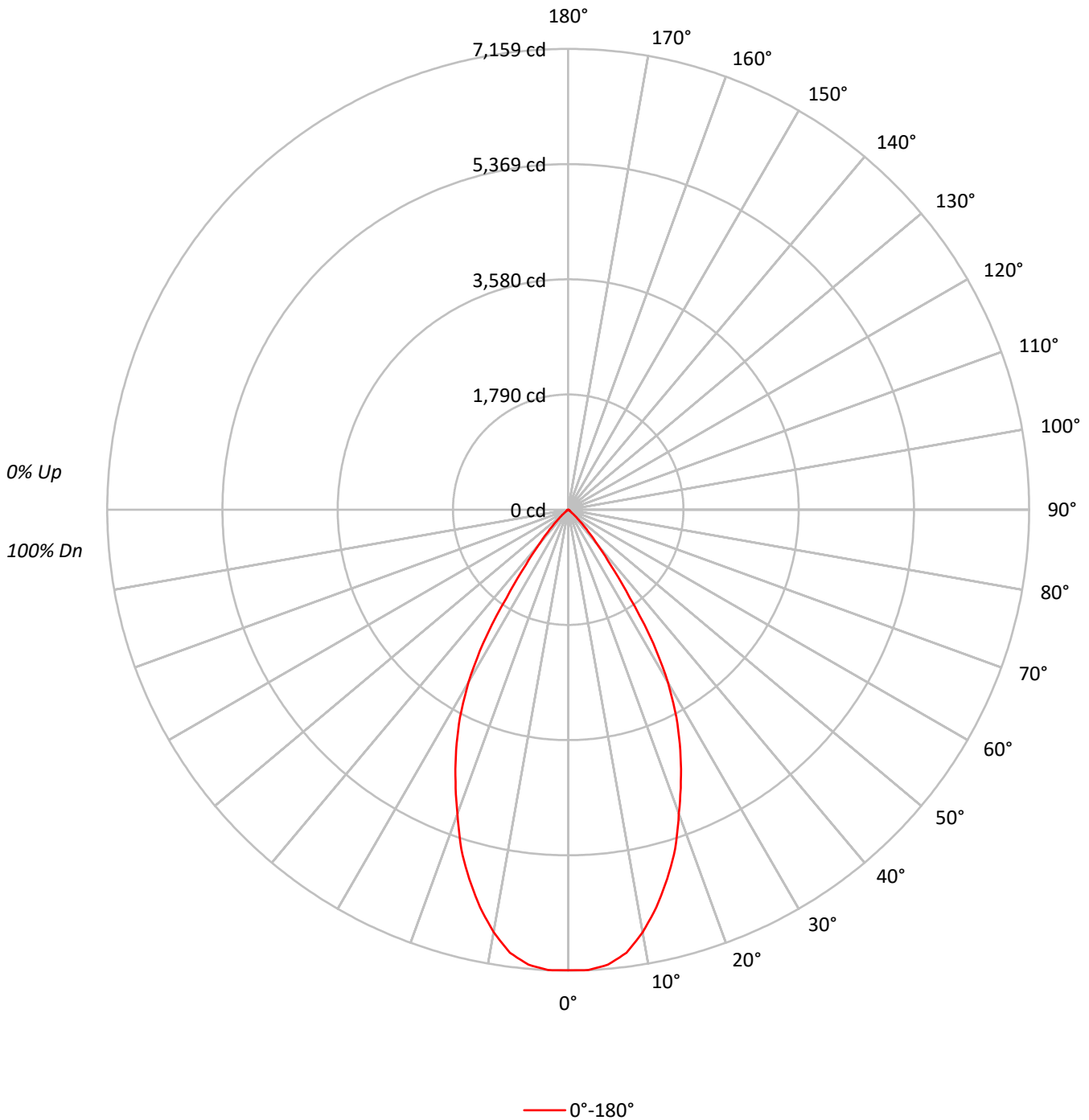
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	195386
5°	194564
10°	184823
15°	167886
20°	146089
25°	124203
30°	97701
35°	55744
40°	25082
45°	10557
50°	3332
55°	1010
60°	694
65°	549
70°	511
75°	675
80°	330
85°	658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.7	12.0
10°-20°	1651.4	29.7
20°-30°	1871.4	33.7
30°-40°	1084.9	19.5
40°-50°	240.6	4.3
50°-60°	26.4	0.5
60°-70°	8.7	0.2
70°-80°	5.6	0.1
80°-90°	1.4	0.0
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°	4186.5	75.4
0°-40°	5271.4	94.9
0°-60°	5538.3	99.7
0°-90°	5554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5554.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7153	
5°	7096	664
15°	5937	1651
25°	4121	1871
35°	1672	1085
45°	273	241
55°	21	26
65°	8	9
75°	6	6
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7153.0
2.5°	7159.3
5°	7095.8
7.5°	6941.1
10°	6663.5
12.5°	6326.7
15°	5936.8
17.5°	5525.8
20°	5025.7
22.5°	4574.4
25°	4121.0
27.5°	3637.9
30°	3097.6
32.5°	2459.9
35°	1671.7
37.5°	1074.2
40°	703.4
42.5°	459.8
45°	273.3
47.5°	152.6
50°	78.4
52.5°	36.0
55°	21.2
57.5°	17.0
60°	12.7
62.5°	10.6
65°	8.5
67.5°	6.4
70°	6.4
72.5°	6.4
75°	6.4
77.5°	4.2
80°	2.1
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)