

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: P366572

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5196.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

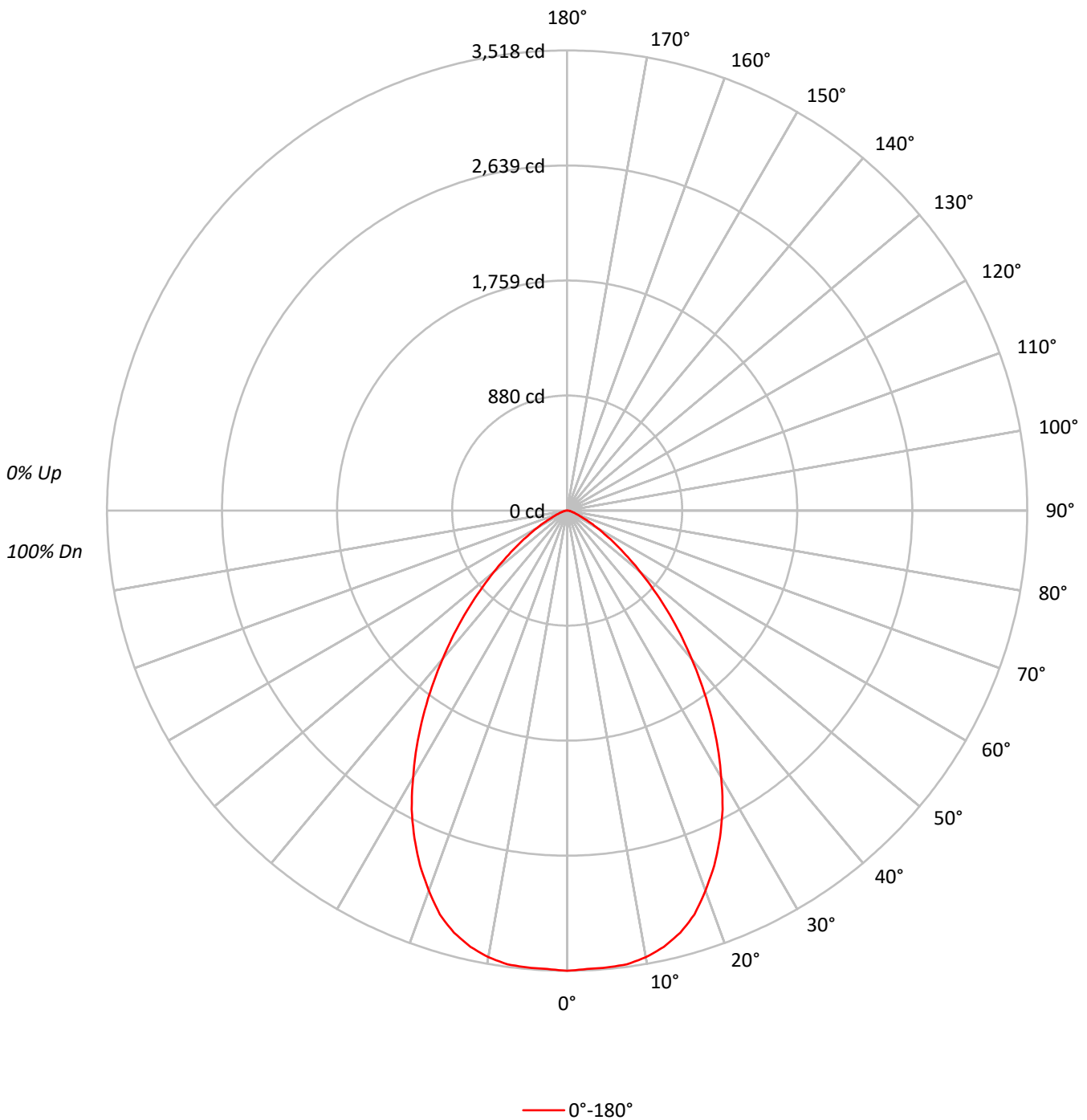
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	251902
5°	251995
10°	252095
15°	247698
20°	235624
25°	218304
30°	194849
35°	167713
40°	138410
45°	109523
50°	81395
55°	57386
60°	38121
65°	23364
70°	15199
75°	11370
80°	9979
85°	11912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.7	6.4
10°-20°	935.5	18.0
20°-30°	1262.9	24.3
30°-40°	1195.0	23.0
40°-50°	837.6	16.1
50°-60°	421.5	8.1
60°-70°	148.9	2.9
70°-80°	46.5	0.9
80°-90°	14.5	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°	2532.1	48.7
0°-40°	3727.0	71.7
0°-60°	4986.1	96.0
0°-90°	5196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5196.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3518	
5°	3506	334
15°	3342	935
25°	2763	1263
35°	1919	1195
45°	1082	838
55°	460	421
65°	138	149
75°	41	47
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3518.1
2.5°	3508.4
5°	3506.0
7.5°	3498.7
10°	3467.3
12.5°	3416.5
15°	3341.5
17.5°	3237.4
20°	3092.3
22.5°	2937.4
25°	2763.2
27.5°	2574.5
30°	2356.7
32.5°	2141.3
35°	1918.7
37.5°	1698.6
40°	1480.8
42.5°	1280.0
45°	1081.6
47.5°	900.1
50°	730.7
52.5°	585.5
55°	459.7
57.5°	353.3
60°	266.2
62.5°	196.0
65°	137.9
67.5°	101.6
70°	72.6
72.5°	55.7
75°	41.1
77.5°	31.5
80°	24.2
82.5°	19.4
85°	14.5
87.5°	7.3
90°	0.0

(END OF REPORT)