

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: P366587

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
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-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4997.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

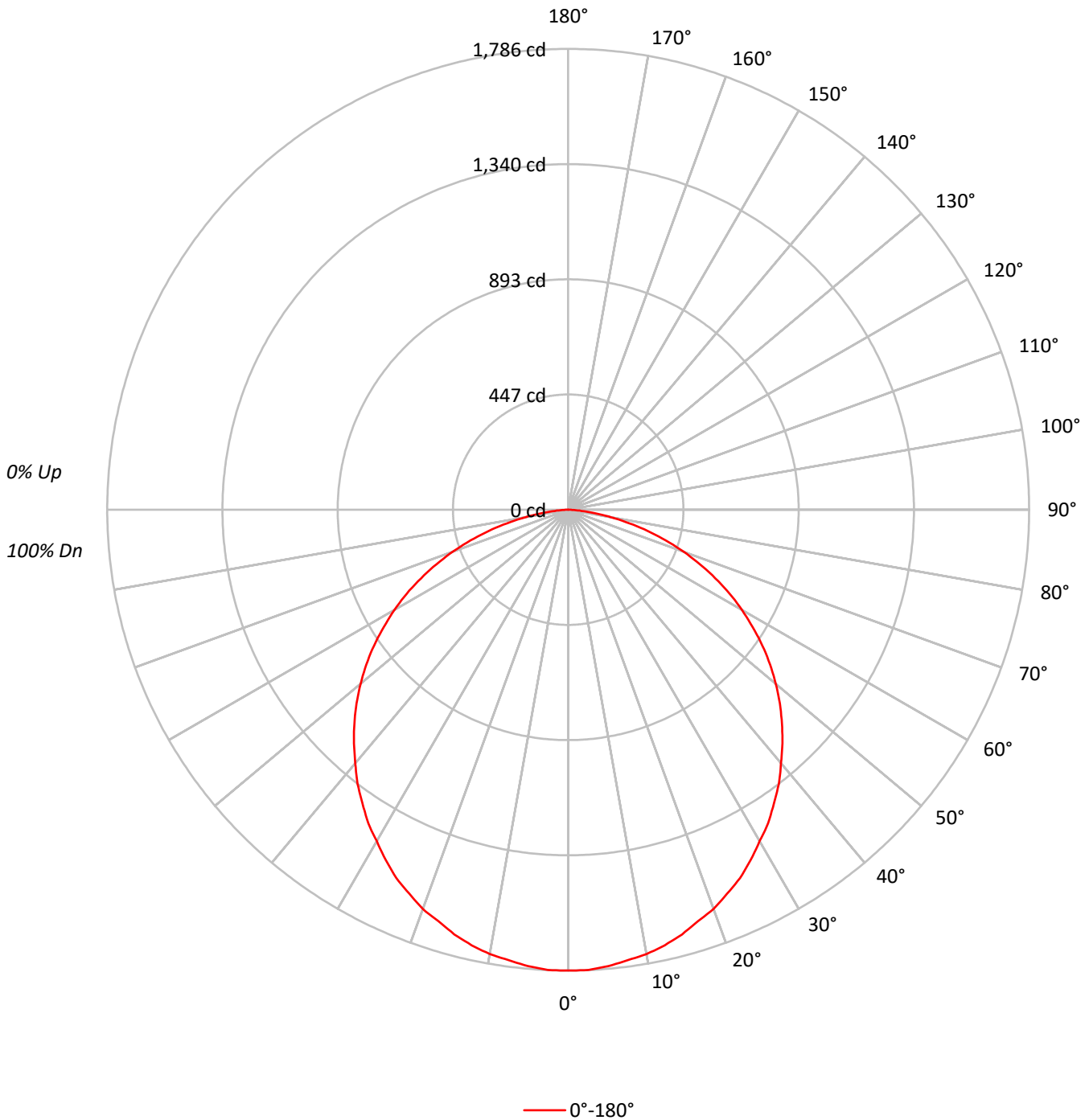
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48780
5°	48694
10°	48503
15°	48190
20°	47878
25°	47478
30°	46794
35°	46334
40°	45749
45°	45258
50°	44628
55°	43761
60°	42486
65°	40661
70°	37984
75°	33719
80°	26883
85°	16297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	3.4
10°-20°	480.5	9.6
20°-30°	724.7	14.5
30°-40°	869.8	17.4
40°-50°	903.4	18.1
50°-60°	819.8	16.4
60°-70°	621.9	12.4
70°-80°	337.8	6.8
80°-90°	70.4	1.4
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°	1373.8	27.5
0°-40°	2243.6	44.9
0°-60°	3966.9	79.4
0°-90°	4997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4997.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1786	
5°	1776	169
15°	1704	481
25°	1575	725
35°	1390	870
45°	1172	903
55°	919	820
65°	629	622
75°	320	338
85°	52	70
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1785.8
2.5°	1785.8
5°	1775.9
7.5°	1761.0
10°	1748.7
12.5°	1728.8
15°	1704.1
17.5°	1671.9
20°	1647.1
22.5°	1610.0
25°	1575.3
27.5°	1530.7
30°	1483.6
32.5°	1441.5
35°	1389.5
37.5°	1340.0
40°	1283.0
42.5°	1228.5
45°	1171.6
47.5°	1112.1
50°	1050.2
52.5°	985.8
55°	918.9
57.5°	847.1
60°	777.7
62.5°	705.9
65°	629.1
67.5°	552.3
70°	475.6
72.5°	396.3
75°	319.5
77.5°	242.7
80°	170.9
82.5°	106.5
85°	52.0
87.5°	14.9
90°	0.0

(END OF REPORT)