

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: P365867

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4467.0 lumens
Efficiency: N/A
Efficacy: 60.9 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

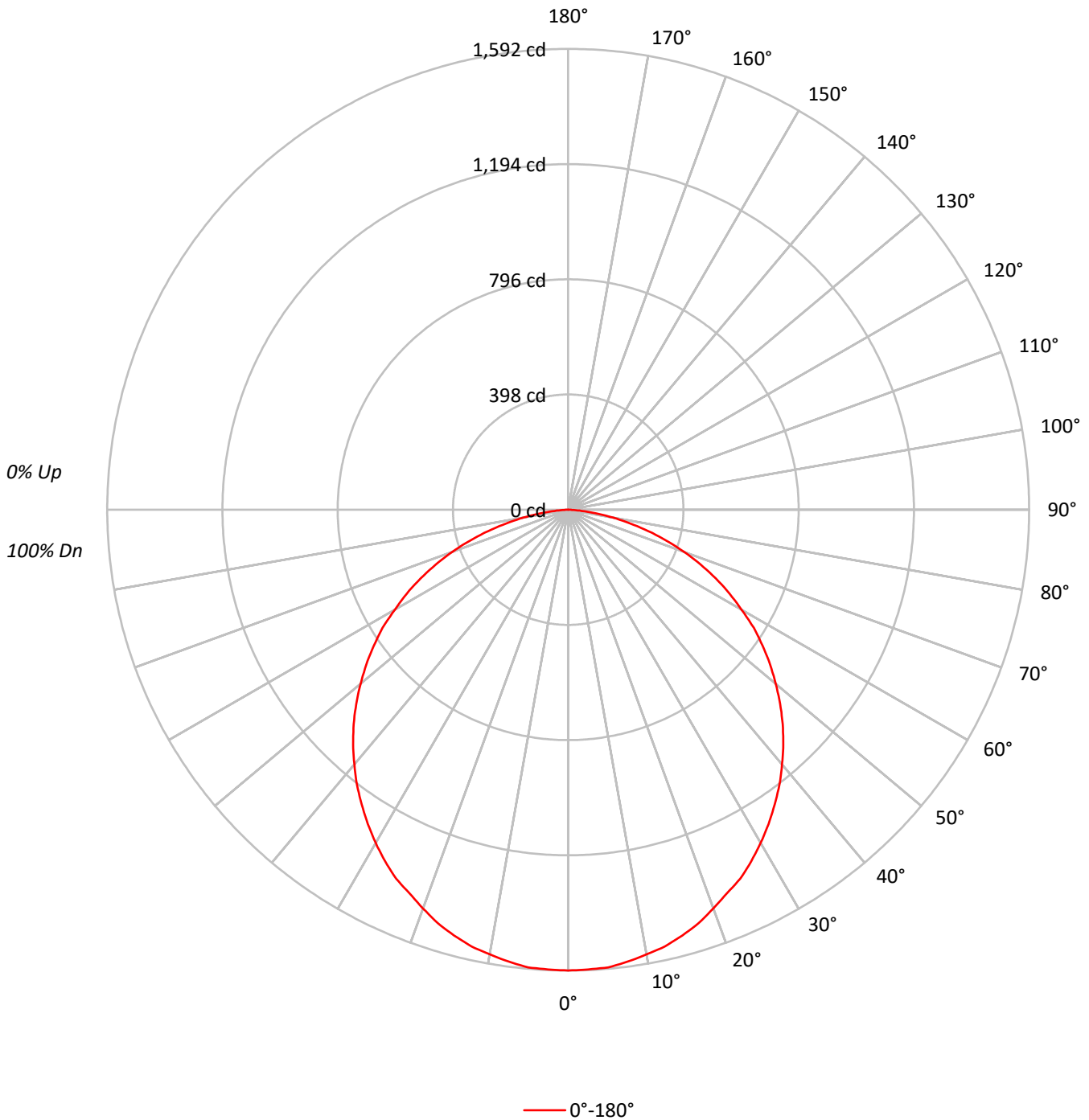
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	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	45	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°	43489
5°	43518
10°	43266
15°	43063
20°	42608
25°	42388
30°	41937
35°	41449
40°	40967
45°	40461
50°	39771
55°	39032
60°	37739
65°	36330
70°	34014
75°	30311
80°	24539
85°	14730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	3.4
10°-20°	429.4	9.6
20°-30°	647.0	14.5
30°-40°	778.0	17.4
40°-50°	807.5	18.1
50°-60°	731.8	16.4
60°-70°	555.3	12.4
70°-80°	303.8	6.8
80°-90°	63.6	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°	1227.0	27.5
0°-40°	2005.0	44.9
0°-60°	3544.3	79.3
0°-90°	4467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4467.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1592	
5°	1587	151
15°	1523	429
25°	1406	647
35°	1243	778
45°	1047	807
55°	820	732
65°	562	555
75°	287	304
85°	47	64
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1592.1
2.5°	1589.6
5°	1587.1
7.5°	1574.8
10°	1559.9
12.5°	1545.1
15°	1522.8
17.5°	1498.0
20°	1465.8
22.5°	1433.6
25°	1406.4
27.5°	1369.3
30°	1329.6
32.5°	1287.5
35°	1243.0
37.5°	1198.4
40°	1148.9
42.5°	1099.4
45°	1047.4
47.5°	992.9
50°	935.9
52.5°	879.0
55°	819.6
57.5°	760.1
60°	690.8
62.5°	628.9
65°	562.1
67.5°	495.2
70°	425.9
72.5°	356.6
75°	287.2
77.5°	217.9
80°	156.0
82.5°	96.6
85°	47.0
87.5°	12.4
90°	0.0

(END OF REPORT)