

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: P365070

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
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-LI-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5934.9 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

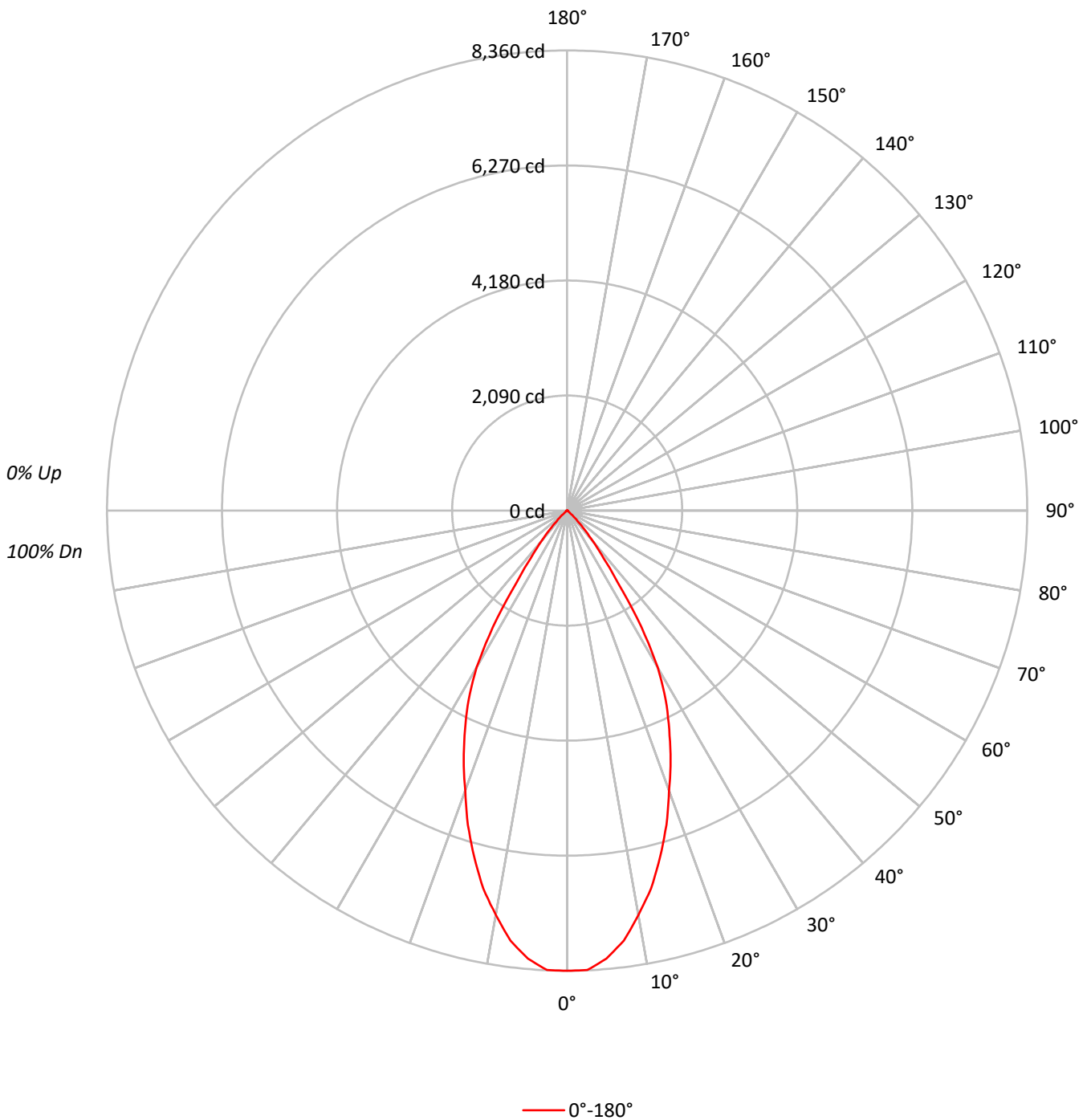
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71		77	73	70		76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66		74	69	66		72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63		70	65	62		69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59		66	62	59		66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56		63	59	56		63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	228345
5°	224002
10°	206863
15°	184336
20°	157425
25°	132211
30°	103789
35°	53783
40°	25684
45°	10109
50°	2660
55°	748
60°	486
65°	433
70°	359
75°	475
80°	346
85°	689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.5	12.8
10°-20°	1811.6	30.5
20°-30°	2000.2	33.7
30°-40°	1100.6	18.5
40°-50°	232.6	3.9
50°-60°	19.7	0.3
60°-70°	6.1	0.1
70°-80°	4.4	0.1
80°-90°	2.1	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°	4569.4	77.0
0°-40°	5670.0	95.5
0°-60°	5922.4	99.8
0°-90°	5934.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5934.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8360	
5°	8169	758
15°	6518	1812
25°	4387	2000
35°	1613	1101
45°	262	233
55°	16	20
65°	7	6
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8359.6
2.5°	8355.1
5°	8169.4
7.5°	7883.1
10°	7458.1
12.5°	7035.3
15°	6518.5
17.5°	5992.8
20°	5415.7
22.5°	4910.2
25°	4386.7
27.5°	3881.1
30°	3290.6
32.5°	2512.1
35°	1612.9
37.5°	1087.2
40°	720.3
42.5°	449.6
45°	261.7
47.5°	134.2
50°	62.6
52.5°	26.8
55°	15.7
57.5°	11.2
60°	8.9
62.5°	6.7
65°	6.7
67.5°	4.5
70°	4.5
72.5°	6.7
75°	4.5
77.5°	2.2
80°	2.2
82.5°	2.2
85°	2.2
87.5°	2.2
90°	0.0

(END OF REPORT)