

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: P365107

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-LI-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365107
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-FEU6B67-8035-F6LBXVM1-LI-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6248.1 lumens
Efficiency: N/A
Efficacy: 85.1 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

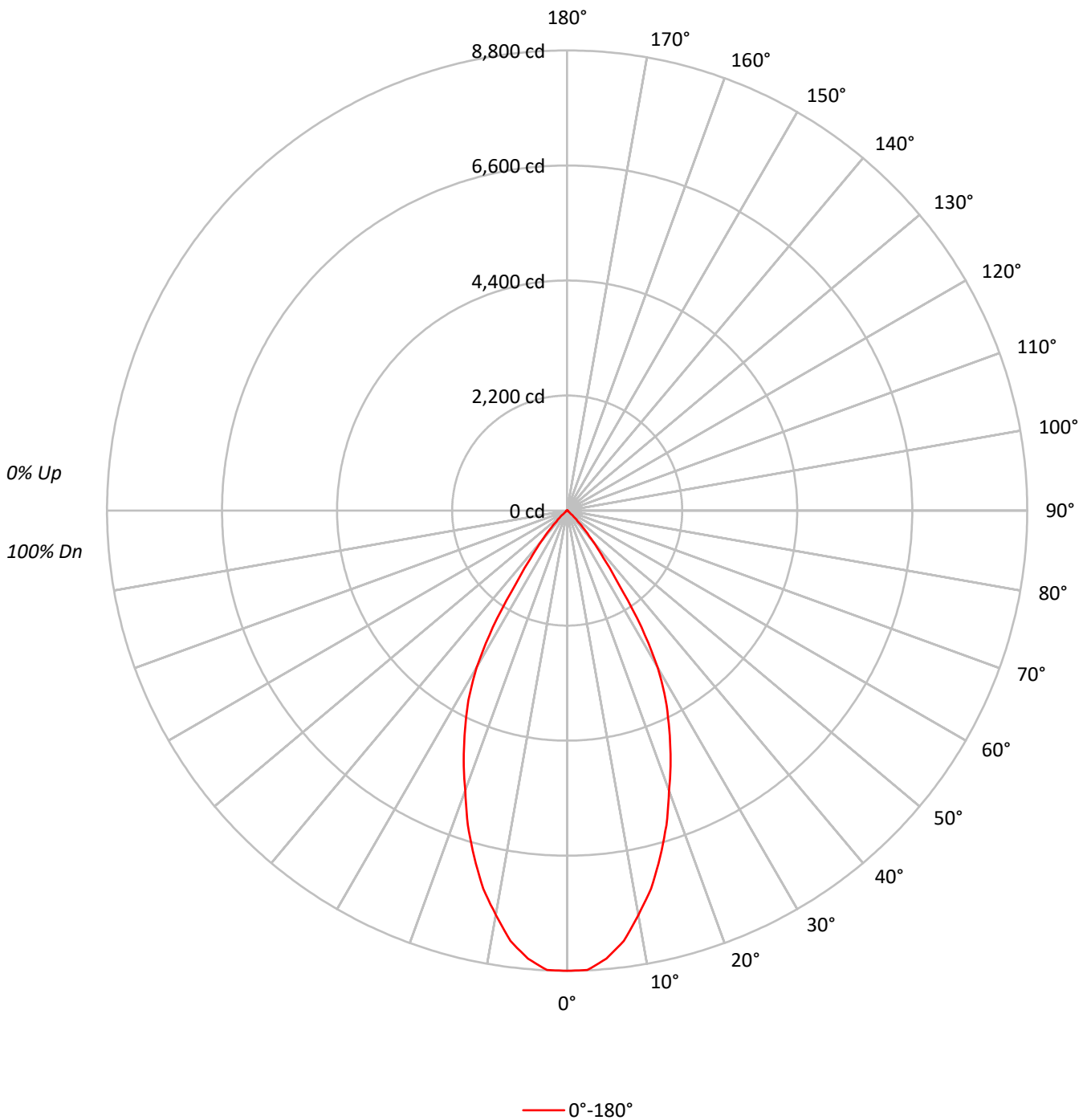
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	240385
5°	235817
10°	217772
15°	194058
20°	165727
25°	139182
30°	109261
35°	56618
40°	27039
45°	10642
50°	2800
55°	786
60°	514
65°	459
70°	375
75°	496
80°	378
85°	752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.5	12.8
10°-20°	1907.2	30.5
20°-30°	2105.7	33.7
30°-40°	1158.7	18.5
40°-50°	244.9	3.9
50°-60°	20.7	0.3
60°-70°	6.4	0.1
70°-80°	4.7	0.1
80°-90°	2.3	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°	4810.4	77.0
0°-40°	5969.0	95.5
0°-60°	6234.7	99.8
0°-90°	6248.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6248.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8800	
5°	8600	797
15°	6862	1907
25°	4618	2106
35°	1698	1159
45°	276	245
55°	16	21
65°	7	6
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8800.4
2.5°	8795.7
5°	8600.3
7.5°	8298.8
10°	7851.4
12.5°	7406.3
15°	6862.3
17.5°	6308.9
20°	5701.3
22.5°	5169.1
25°	4618.0
27.5°	4085.8
30°	3464.1
32.5°	2644.6
35°	1697.9
37.5°	1144.5
40°	758.3
42.5°	473.3
45°	275.5
47.5°	141.3
50°	65.9
52.5°	28.3
55°	16.5
57.5°	11.8
60°	9.4
62.5°	7.1
65°	7.1
67.5°	4.7
70°	4.7
72.5°	7.1
75°	4.7
77.5°	2.4
80°	2.4
82.5°	2.4
85°	2.4
87.5°	2.4
90°	0.0

(END OF REPORT)