

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: P365844

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
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-MW-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5549.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

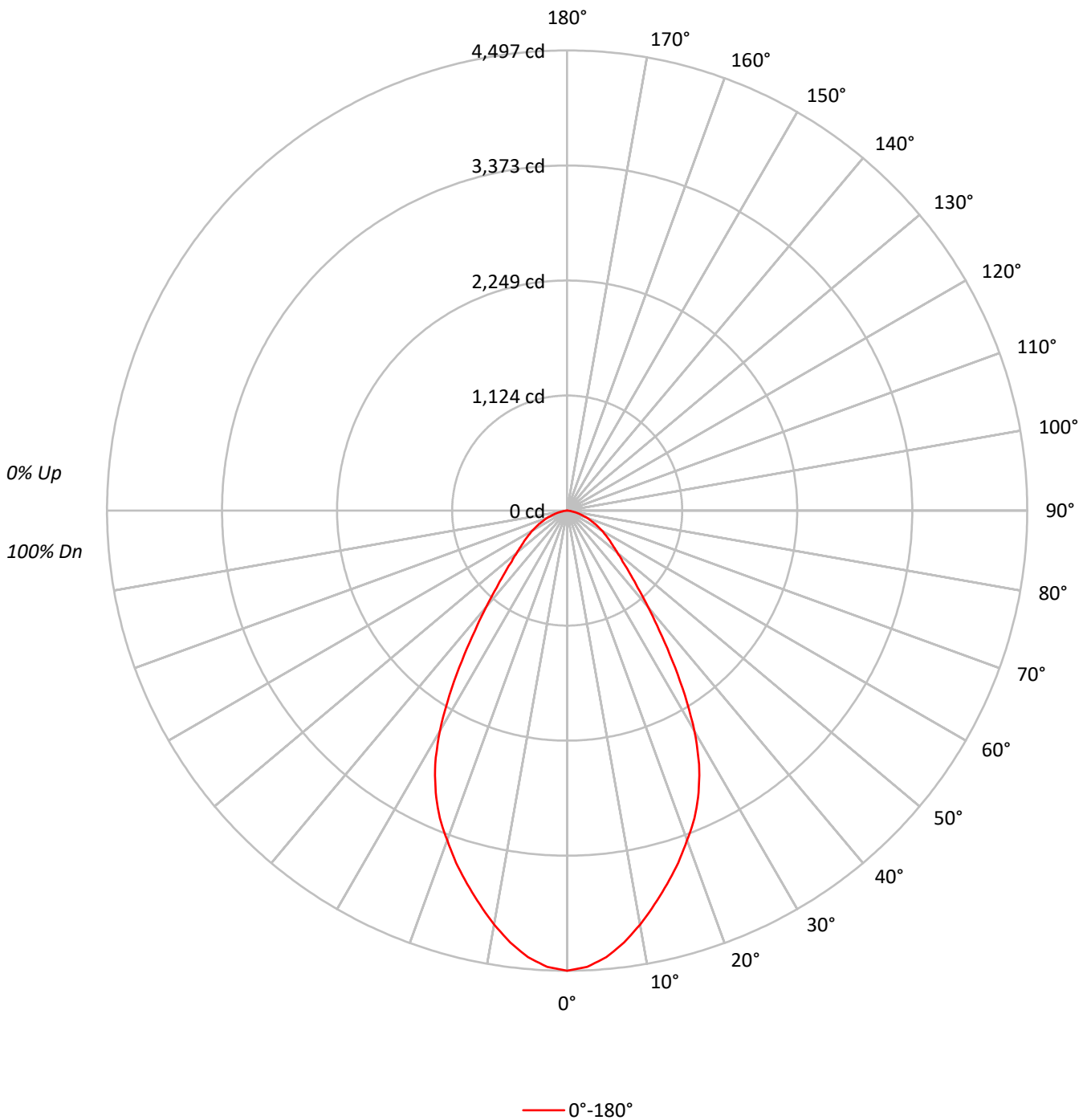
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122839
5°	120125
10°	113931
15°	106787
20°	99643
25°	91647
30°	78512
35°	59772
40°	43905
45°	33268
50°	27244
55°	23964
60°	21410
65°	18763
70°	16037
75°	12506
80°	8368
85°	3792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.4	7.4
10°-20°	1060.1	19.1
20°-30°	1381.5	24.9
30°-40°	1126.3	20.3
40°-50°	681.9	12.3
50°-60°	452.9	8.2
60°-70°	289.6	5.2
70°-80°	128.3	2.3
80°-90°	19.0	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°	2850.9	51.4
0°-40°	3977.2	71.7
0°-60°	5112.0	92.1
0°-90°	5549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5549.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4497	
5°	4381	409
15°	3776	1060
25°	3041	1381
35°	1792	1126
45°	861	682
55°	503	453
65°	290	290
75°	118	128
85°	12	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4497.1
2.5°	4463.2
5°	4381.0
7.5°	4257.6
10°	4107.6
12.5°	3943.1
15°	3776.2
17.5°	3609.3
20°	3427.9
22.5°	3253.7
25°	3040.8
27.5°	2794.1
30°	2489.2
32.5°	2140.9
35°	1792.5
37.5°	1478.1
40°	1231.3
42.5°	1020.9
45°	861.2
47.5°	735.4
50°	641.1
52.5°	563.6
55°	503.2
57.5°	445.1
60°	391.9
62.5°	341.1
65°	290.3
67.5°	244.3
70°	200.8
72.5°	157.2
75°	118.5
77.5°	84.7
80°	53.2
82.5°	29.0
85°	12.1
87.5°	2.4
90°	0.0

(END OF REPORT)