

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: P365790

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365790
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-FEU6B67-8027-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: 5149.0 lumens
Efficiency: N/A
Efficacy: 70.1 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

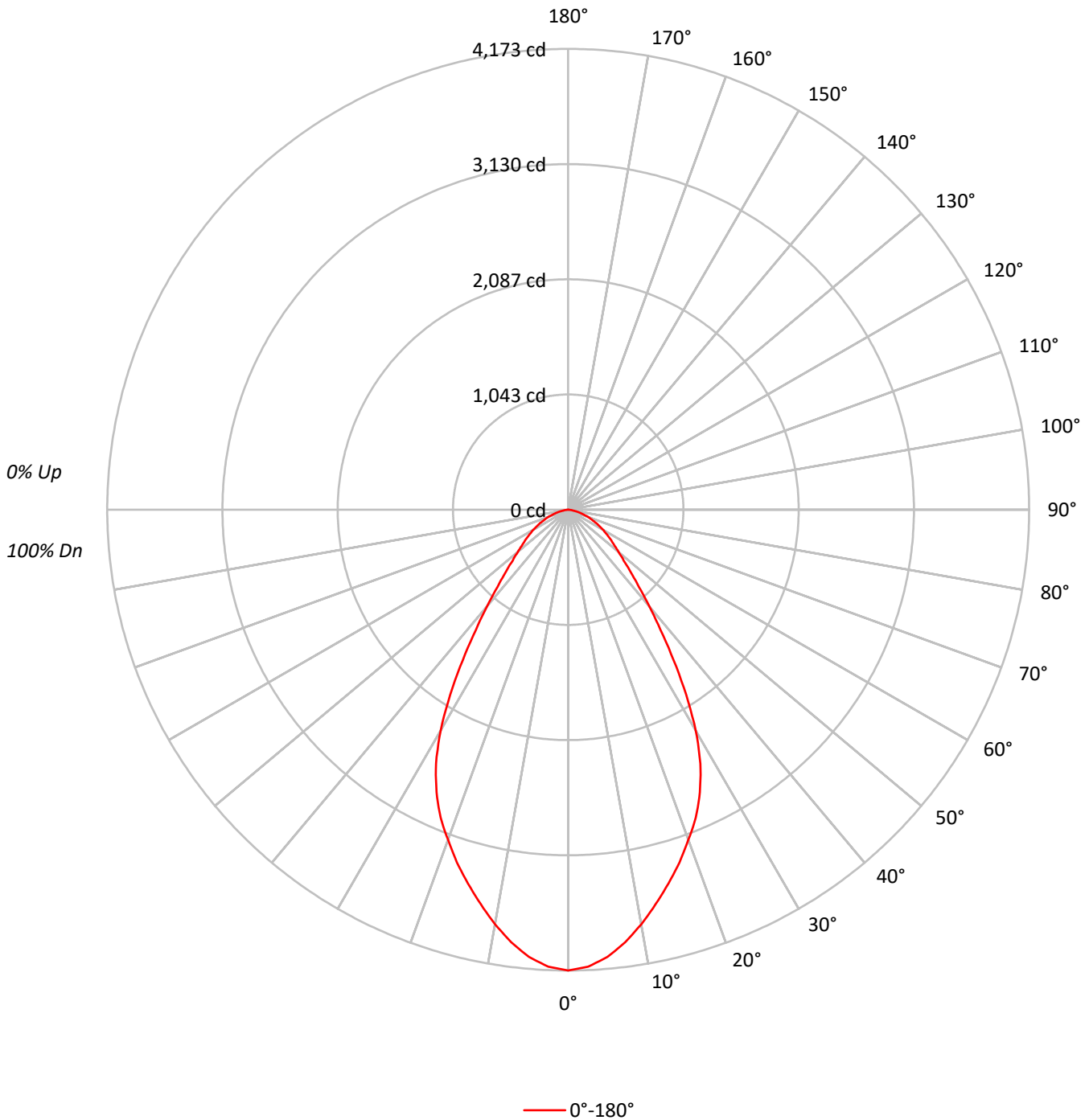
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	113984
5°	111466
10°	105718
15°	99089
20°	92460
25°	85040
30°	72853
35°	55464
40°	40742
45°	30869
50°	25276
55°	22235
60°	19864
65°	17412
70°	14879
75°	11609
80°	7771
85°	3510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.9	7.4
10°-20°	983.7	19.1
20°-30°	1281.9	24.9
30°-40°	1045.1	20.3
40°-50°	632.7	12.3
50°-60°	420.2	8.2
60°-70°	268.8	5.2
70°-80°	119.1	2.3
80°-90°	17.7	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°	2645.4	51.4
0°-40°	3690.5	71.7
0°-60°	4743.4	92.1
0°-90°	5149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5149.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4173	
5°	4065	380
15°	3504	984
25°	2822	1282
35°	1663	1045
45°	799	633
55°	467	420
65°	269	269
75°	110	119
85°	11	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4172.9
2.5°	4141.5
5°	4065.2
7.5°	3950.7
10°	3811.5
12.5°	3658.9
15°	3504.0
17.5°	3349.1
20°	3180.8
22.5°	3019.1
25°	2821.6
27.5°	2592.6
30°	2309.8
32.5°	1986.6
35°	1663.3
37.5°	1371.5
40°	1142.6
42.5°	947.3
45°	799.1
47.5°	682.4
50°	594.8
52.5°	523.0
55°	466.9
57.5°	413.0
60°	363.6
62.5°	316.5
65°	269.4
67.5°	226.7
70°	186.3
72.5°	145.9
75°	110.0
77.5°	78.6
80°	49.4
82.5°	26.9
85°	11.2
87.5°	2.2
90°	0.0

(END OF REPORT)