

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: P365866

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-34)
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-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6003.0 lumens
Efficiency: N/A
Efficacy: 81.8 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

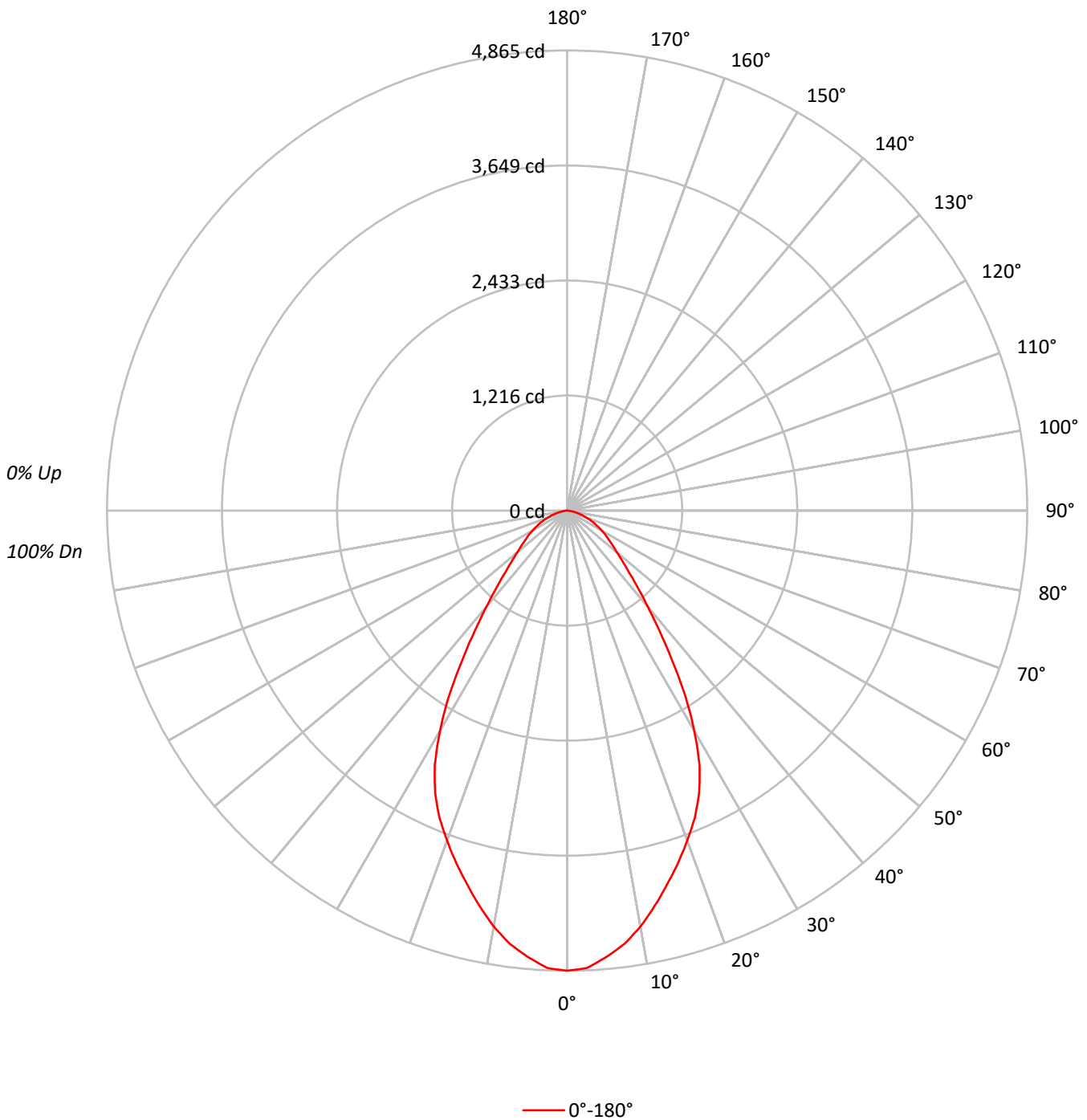
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95		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	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	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	64	57	52	62	56	52		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°	132883
5°	129925
10°	123866
15°	115635
20°	107913
25°	99489
30°	84732
35°	64457
40°	47189
45°	35899
50°	29173
55°	25611
60°	23016
65°	20340
70°	17219
75°	13604
80°	9359
85°	3886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.0	7.4
10°-20°	1148.6	19.1
20°-30°	1496.8	24.9
30°-40°	1218.6	20.3
40°-50°	734.9	12.2
50°-60°	487.2	8.1
60°-70°	312.7	5.2
70°-80°	139.3	2.3
80°-90°	20.9	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°	3089.4	51.5
0°-40°	4308.1	71.8
0°-60°	5530.1	92.1
0°-90°	6003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6003.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4865	
5°	4738	444
15°	4089	1149
25°	3301	1497
35°	1933	1219
45°	929	735
55°	538	487
65°	315	313
75°	129	139
85°	12	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4864.8
2.5°	4840.0
5°	4738.4
7.5°	4621.9
10°	4465.8
12.5°	4279.9
15°	4089.1
17.5°	3903.2
20°	3712.4
22.5°	3521.6
25°	3301.0
27.5°	3030.9
30°	2686.4
32.5°	2327.1
35°	1933.0
37.5°	1603.4
40°	1323.4
42.5°	1102.8
45°	929.3
47.5°	793.0
50°	686.5
52.5°	609.6
55°	537.8
57.5°	480.8
60°	421.3
62.5°	366.8
65°	314.7
67.5°	265.2
70°	215.6
72.5°	171.0
75°	128.9
77.5°	91.7
80°	59.5
82.5°	32.2
85°	12.4
87.5°	2.5
90°	0.0

(END OF REPORT)