

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: P365830

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365830
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-FEU6B67-8035-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: 5800.0 lumens
Efficiency: N/A
Efficacy: 79.0 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

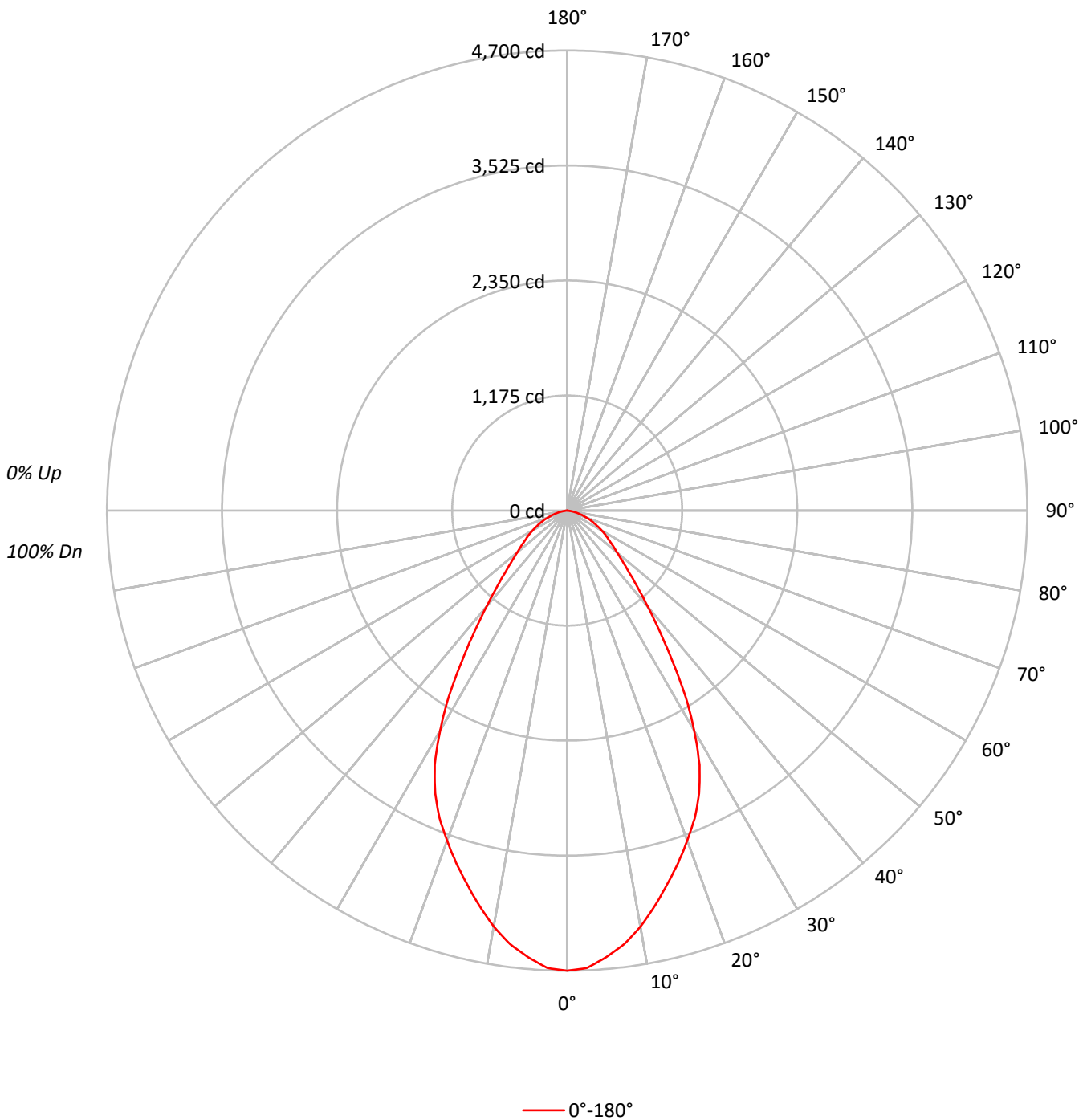
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	128390
5°	125532
10°	119678
15°	111724
20°	104265
25°	96126
30°	81868
35°	62280
40°	45592
45°	34686
50°	28187
55°	24745
60°	22240
65°	19655
70°	16636
75°	13139
80°	9045
85°	3761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.0	7.4
10°-20°	1109.8	19.1
20°-30°	1446.2	24.9
30°-40°	1177.4	20.3
40°-50°	710.0	12.2
50°-60°	470.7	8.1
60°-70°	302.1	5.2
70°-80°	134.6	2.3
80°-90°	20.2	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°	2985.0	51.5
0°-40°	4162.4	71.8
0°-60°	5343.1	92.1
0°-90°	5800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5800.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4700	
5°	4578	429
15°	3951	1110
25°	3189	1446
35°	1868	1177
45°	898	710
55°	520	471
65°	304	302
75°	124	135
85°	12	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4700.3
2.5°	4676.3
5°	4578.2
7.5°	4465.6
10°	4314.8
12.5°	4135.2
15°	3950.8
17.5°	3771.2
20°	3586.9
22.5°	3402.5
25°	3189.4
27.5°	2928.4
30°	2595.6
32.5°	2248.4
35°	1867.7
37.5°	1549.2
40°	1278.6
42.5°	1065.5
45°	897.9
47.5°	766.2
50°	663.3
52.5°	589.0
55°	519.6
57.5°	464.5
60°	407.1
62.5°	354.4
65°	304.1
67.5°	256.2
70°	208.3
72.5°	165.2
75°	124.5
77.5°	88.6
80°	57.5
82.5°	31.1
85°	12.0
87.5°	2.4
90°	0.0

(END OF REPORT)