

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: P366589

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
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-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5312.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

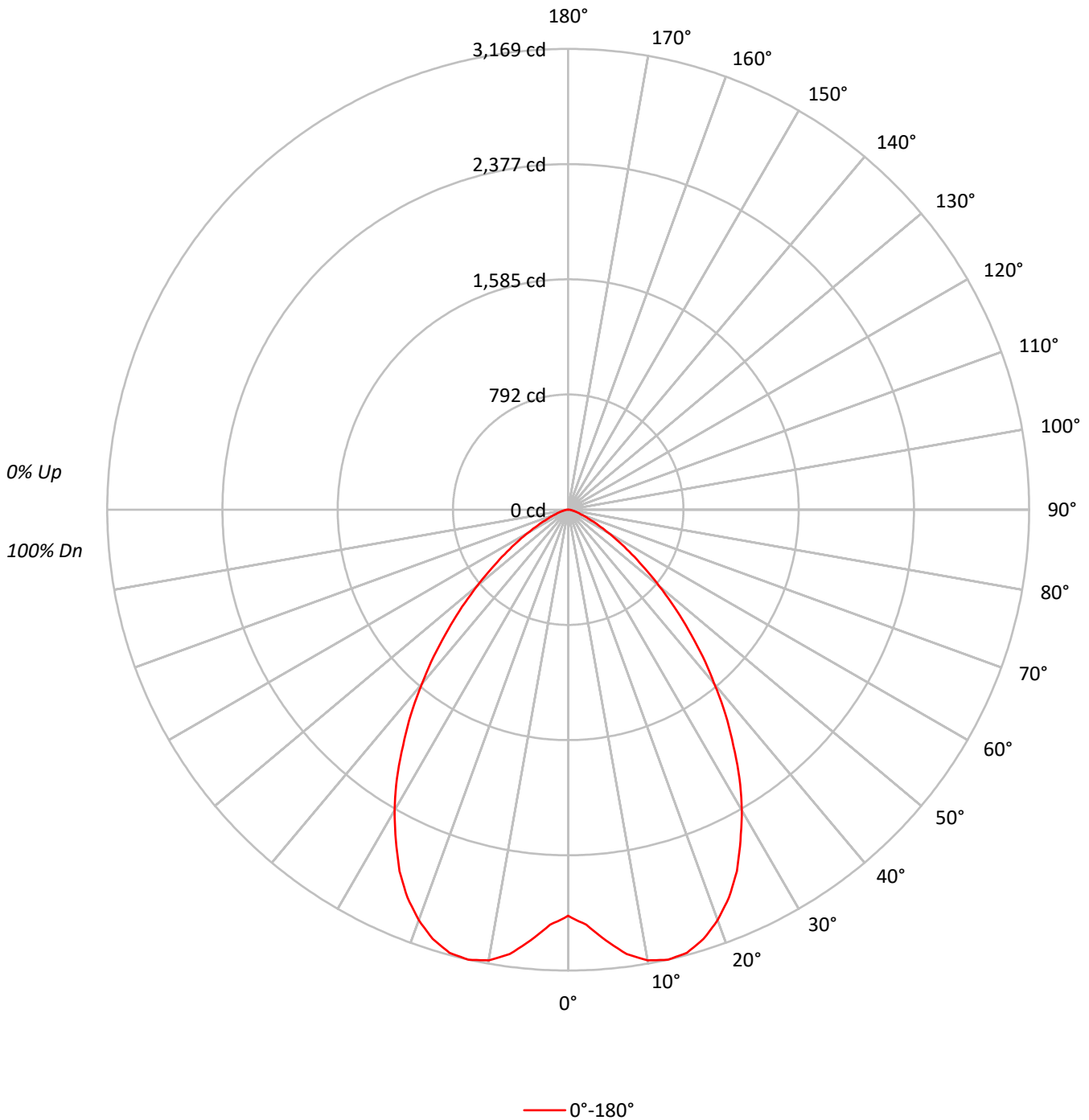
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98		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	74		80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60		69	64	60		68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55		64	58	54		62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	199962
5°	213721
10°	228807
15°	233828
20°	228843
25°	216716
30°	197296
35°	173063
40°	146149
45°	118181
50°	91086
55°	66512
60°	45782
65°	30225
70°	19721
75°	14386
80°	12246
85°	14213



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.4	5.4
10°-20°	883.3	16.6
20°-30°	1251.6	23.6
30°-40°	1234.4	23.2
40°-50°	904.8	17.0
50°-60°	485.1	9.1
60°-70°	186.5	3.5
70°-80°	59.4	1.1
80°-90°	17.5	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°	2424.3	45.6
0°-40°	3658.7	68.9
0°-60°	5048.6	95.0
0°-90°	5312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5312.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2793	
5°	2974	289
15°	3154	883
25°	2743	1252
35°	1980	1234
45°	1167	905
55°	533	485
65°	178	186
75°	52	59
85°	17	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2792.7
2.5°	2857.1
5°	2973.5
7.5°	3082.6
10°	3147.0
12.5°	3169.3
15°	3154.4
17.5°	3095.0
20°	3003.3
22.5°	2886.8
25°	2743.1
27.5°	2564.7
30°	2386.3
32.5°	2193.0
35°	1979.9
37.5°	1776.7
40°	1563.6
42.5°	1367.8
45°	1167.1
47.5°	988.7
50°	817.7
52.5°	664.1
55°	532.8
57.5°	416.3
60°	319.7
62.5°	240.4
65°	178.4
67.5°	131.3
70°	94.2
72.5°	71.9
75°	52.0
77.5°	39.6
80°	29.7
82.5°	22.3
85°	17.3
87.5°	9.9
90°	0.0

(END OF REPORT)