

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: P365095

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5174.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

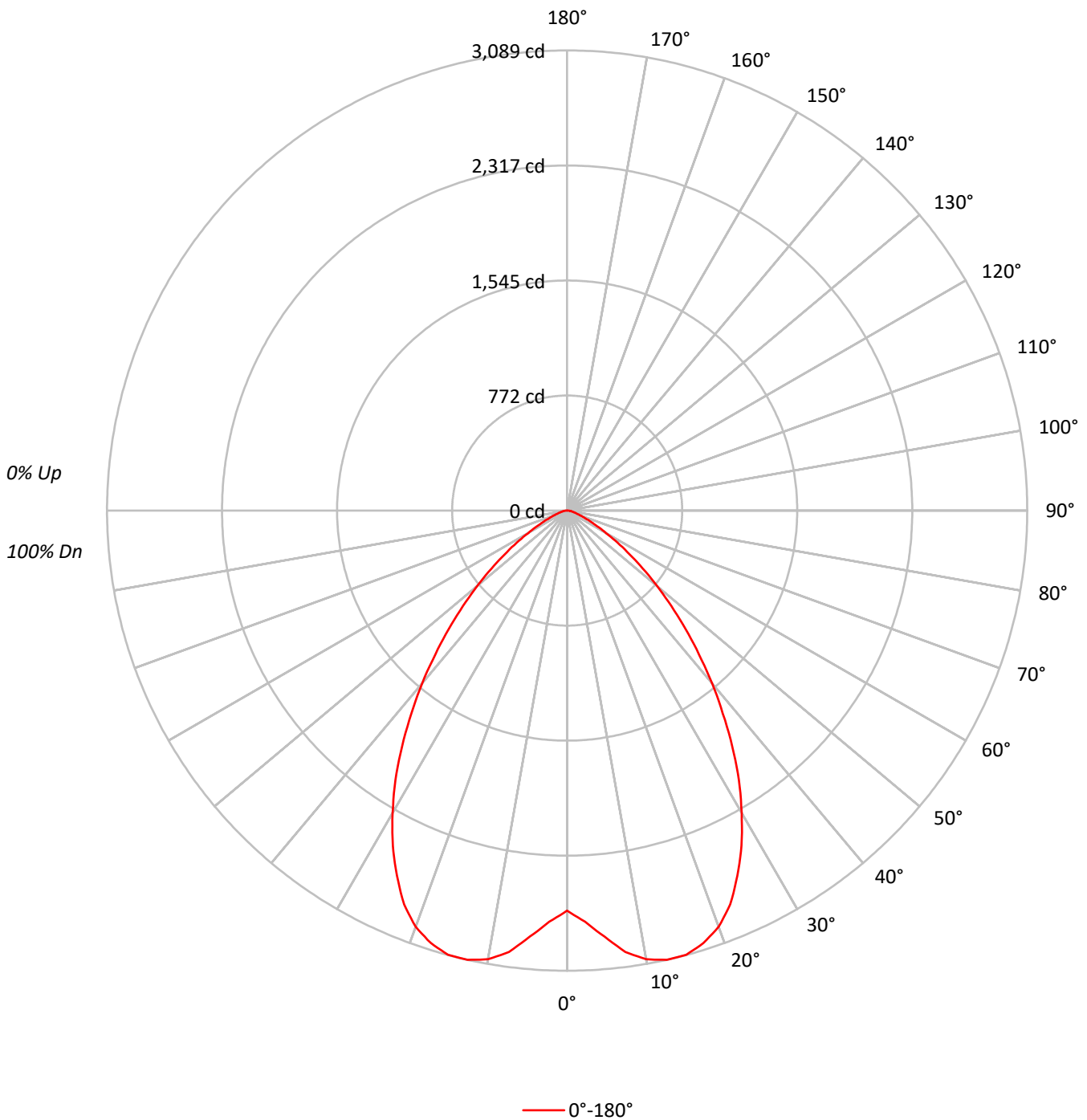
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	192294
5°	206347
10°	222373
15°	228810
20°	226618
25°	213658
30°	193733
35°	168937
40°	141625
45°	113999
50°	87789
55°	63828
60°	43333
65°	28616
70°	18653
75°	14275
80°	12576
85°	15445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.3	5.4
10°-20°	865.9	16.7
20°-30°	1236.5	23.9
30°-40°	1202.9	23.2
40°-50°	870.1	16.8
50°-60°	466.4	9.0
60°-70°	175.9	3.4
70°-80°	57.8	1.1
80°-90°	18.2	0.4
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°	2382.7	46.1
0°-40°	3585.6	69.3
0°-60°	4922.2	95.1
0°-90°	5174.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5174.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2686	
5°	2871	280
15°	3087	866
25°	2704	1236
35°	1933	1203
45°	1126	870
55°	511	466
65°	169	176
75°	52	58
85°	19	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2685.6
2.5°	2763.0
5°	2870.9
7.5°	2988.2
10°	3058.5
12.5°	3089.0
15°	3086.7
17.5°	3044.5
20°	2974.1
22.5°	2861.5
25°	2704.4
27.5°	2535.5
30°	2343.2
32.5°	2146.1
35°	1932.7
37.5°	1716.9
40°	1515.2
42.5°	1308.8
45°	1125.8
47.5°	947.6
50°	788.1
52.5°	640.3
55°	511.3
57.5°	401.1
60°	302.6
62.5°	227.5
65°	168.9
67.5°	122.0
70°	89.1
72.5°	68.0
75°	51.6
77.5°	39.9
80°	30.5
82.5°	23.5
85°	18.8
87.5°	9.4
90°	0.0

(END OF REPORT)