

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: P365096

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5124.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

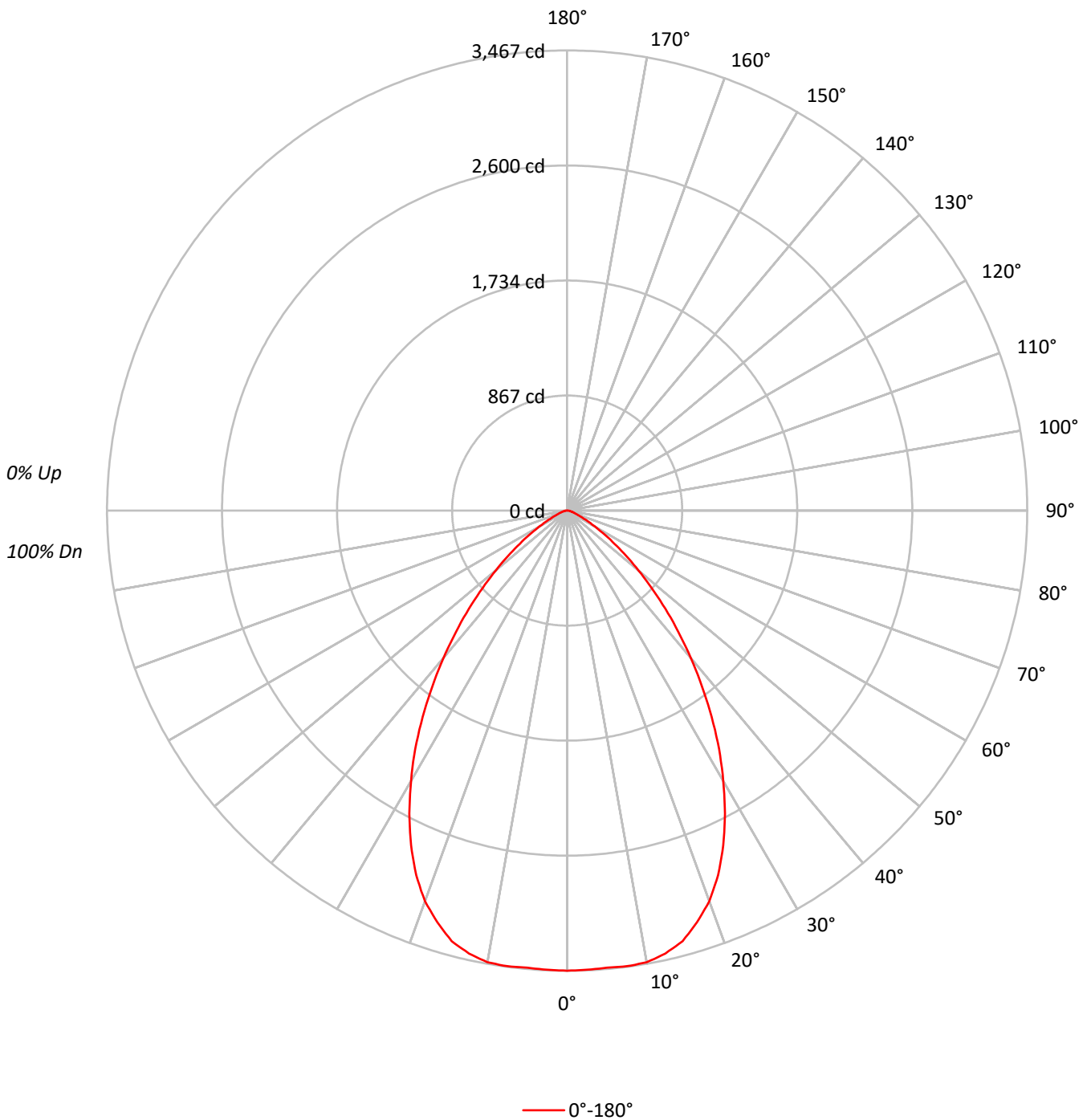
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	248251
5°	248523
10°	251230
15°	249010
20°	238626
25°	219805
30°	194535
35°	165886
40°	135503
45°	105939
50°	78131
55°	54178
60°	34598
65°	21059
70°	14236
75°	11038
80°	9690
85°	13473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.3	6.4
10°-20°	939.4	18.3
20°-30°	1270.6	24.8
30°-40°	1181.9	23.1
40°-50°	809.8	15.8
50°-60°	399.1	7.8
60°-70°	133.4	2.6
70°-80°	44.2	0.9
80°-90°	15.3	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°	2540.3	49.6
0°-40°	3722.2	72.6
0°-60°	4931.1	96.2
0°-90°	5124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5124.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3467	
5°	3458	330
15°	3359	939
25°	2782	1271
35°	1898	1182
45°	1046	810
55°	434	399
65°	124	133
75°	40	44
85°	16	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3467.1
2.5°	3462.4
5°	3457.7
7.5°	3462.4
10°	3455.4
12.5°	3417.9
15°	3359.2
17.5°	3251.3
20°	3131.7
22.5°	2972.2
25°	2782.2
27.5°	2575.7
30°	2352.9
32.5°	2130.0
35°	1897.8
37.5°	1667.9
40°	1449.7
42.5°	1238.6
45°	1046.2
47.5°	863.3
50°	701.4
52.5°	560.7
55°	434.0
57.5°	330.8
60°	241.6
62.5°	173.6
65°	124.3
67.5°	89.1
70°	68.0
72.5°	51.6
75°	39.9
77.5°	30.5
80°	23.5
82.5°	18.8
85°	16.4
87.5°	9.4
90°	0.0

(END OF REPORT)