

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: P365076

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5199.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

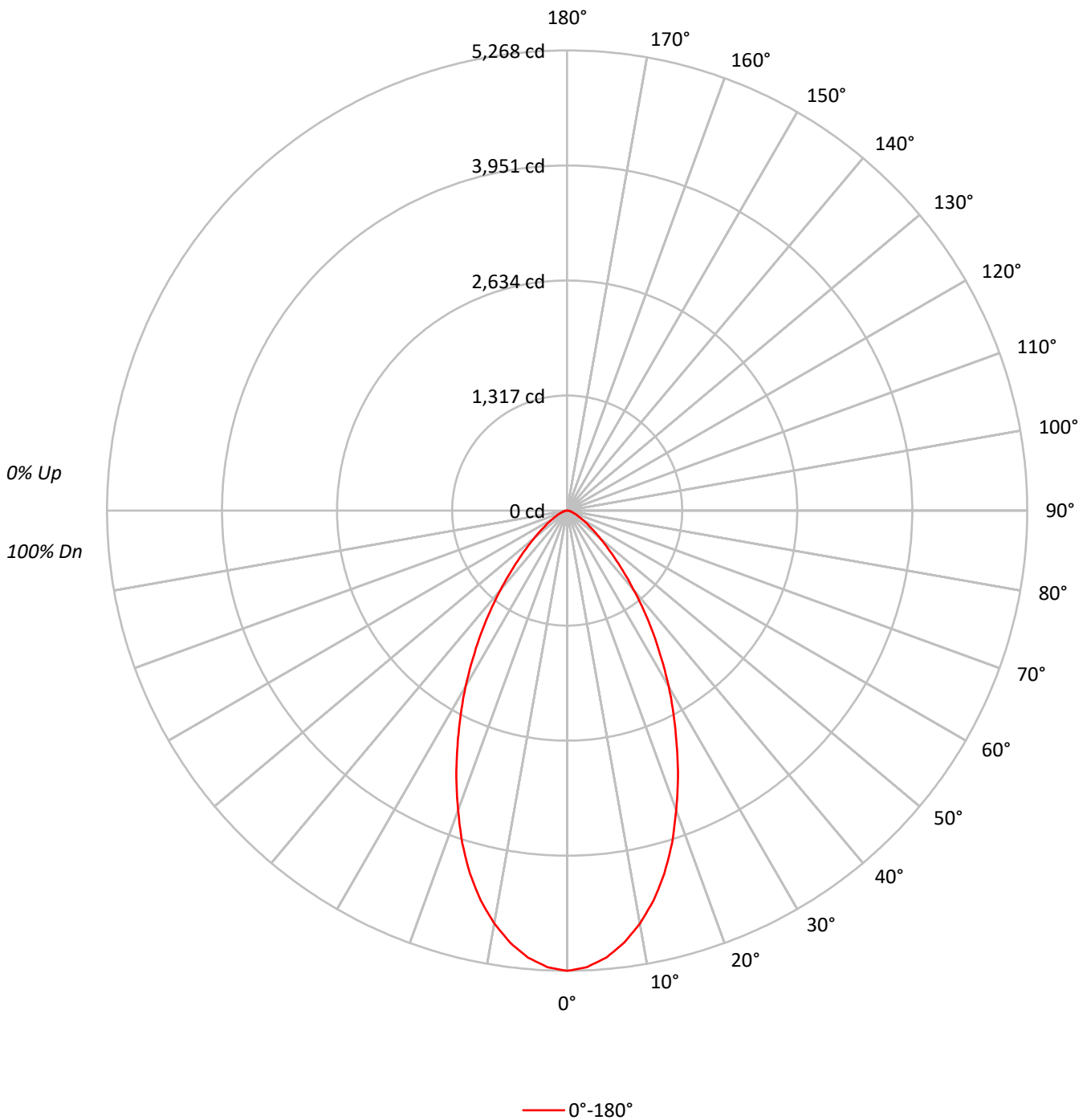
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	377234
5°	369159
10°	348947
15°	318660
20°	277952
25°	234634
30°	192278
35°	150301
40°	110789
45°	77970
50°	55017
55°	38948
60°	27653
65°	20534
70°	15973
75°	13030
80°	12040
85°	12898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.6	9.2
10°-20°	1194.0	23.0
20°-30°	1360.4	26.2
30°-40°	1073.7	20.7
40°-50°	610.3	11.7
50°-60°	287.9	5.5
60°-70°	124.6	2.4
70°-80°	51.7	1.0
80°-90°	16.8	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°	3033.9	58.4
0°-40°	4107.6	79.0
0°-60°	5005.9	96.3
0°-90°	5199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5199.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5268	
5°	5136	480
15°	4299	1194
25°	2970	1360
35°	1720	1074
45°	770	610
55°	312	288
65°	121	125
75°	47	52
85°	16	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5268.5
2.5°	5230.4
5°	5136.1
7.5°	4990.2
10°	4799.4
12.5°	4570.4
15°	4298.8
17.5°	3991.2
20°	3647.8
22.5°	3315.6
25°	2969.9
27.5°	2639.9
30°	2325.6
32.5°	2006.8
35°	1719.5
37.5°	1443.4
40°	1185.3
42.5°	965.3
45°	770.0
47.5°	615.1
50°	493.9
52.5°	392.8
55°	312.0
57.5°	246.9
60°	193.1
62.5°	152.6
65°	121.2
67.5°	96.5
70°	76.3
72.5°	60.6
75°	47.1
77.5°	35.9
80°	29.2
82.5°	22.4
85°	15.7
87.5°	9.0
90°	0.0

(END OF REPORT)