

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: P365085

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5188.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

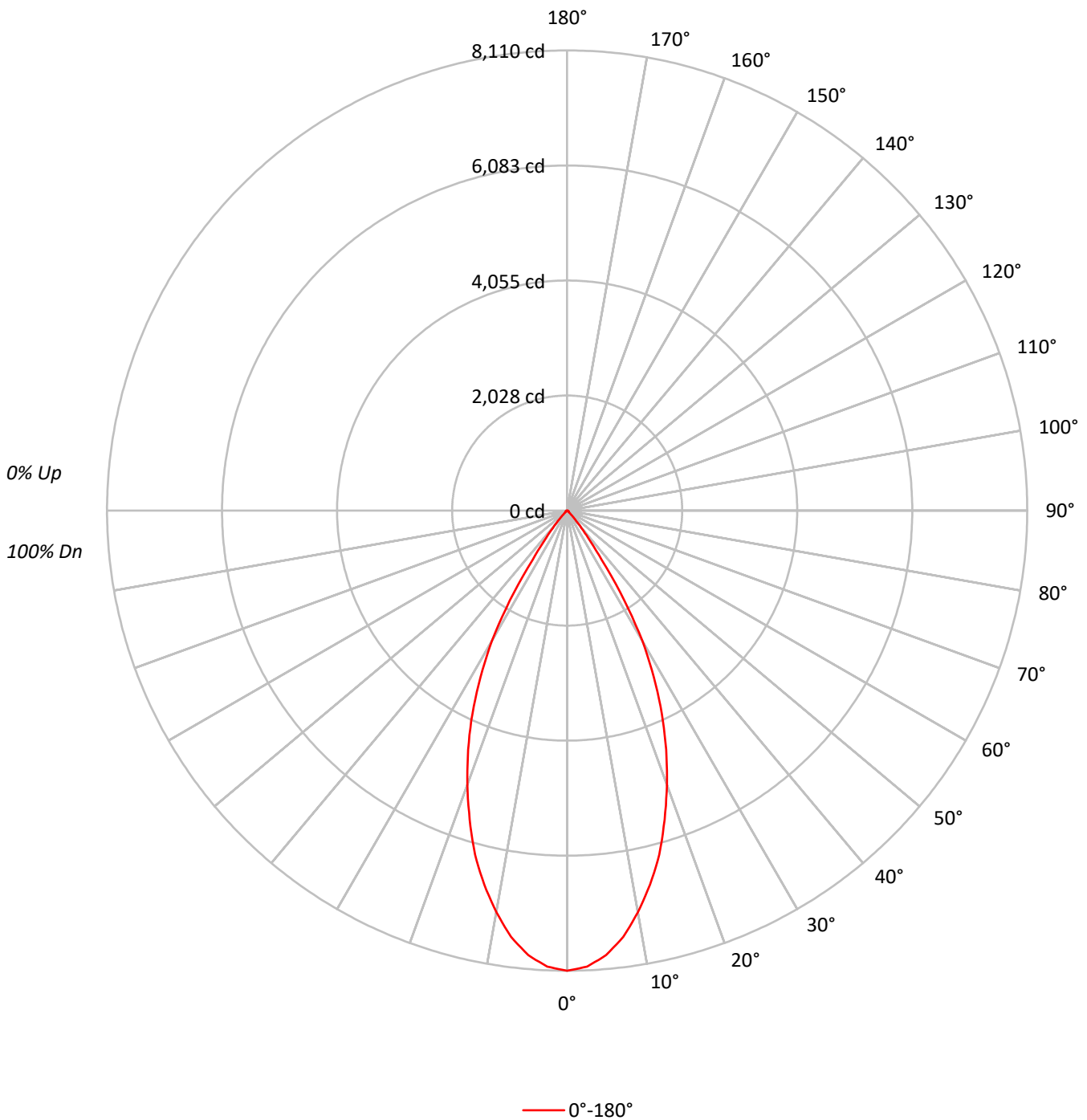
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	88
3	104	98	93	90	102	96	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	580698
5°	565328
10°	522563
15°	465203
20°	391790
25°	312208
30°	218685
35°	92637
40°	32322
45°	8870
50°	4500
55°	4207
60°	4182
65°	3812
70°	3768
75°	4980
80°	6474
85°	9201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.3	14.1
10°-20°	1735.0	33.4
20°-30°	1784.7	34.4
30°-40°	762.2	14.7
40°-50°	95.2	1.8
50°-60°	30.4	0.6
60°-70°	22.5	0.4
70°-80°	18.1	0.3
80°-90°	10.7	0.2
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°	4248.9	81.9
0°-40°	5011.1	96.6
0°-60°	5136.7	99.0
0°-90°	5188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5188.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8110	
5°	7865	729
15°	6276	1735
25°	3952	1785
35°	1060	762
45°	88	95
55°	34	30
65°	22	23
75°	18	18
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8110.1
2.5°	8045.0
5°	7865.4
7.5°	7578.0
10°	7187.3
12.5°	6751.7
15°	6275.7
17.5°	5709.8
20°	5141.8
22.5°	4558.0
25°	3951.8
27.5°	3311.8
30°	2645.0
32.5°	1879.3
35°	1059.8
37.5°	606.2
40°	345.8
42.5°	179.6
45°	87.6
47.5°	47.2
50°	40.4
52.5°	35.9
55°	33.7
57.5°	31.4
60°	29.2
62.5°	24.7
65°	22.5
67.5°	20.2
70°	18.0
72.5°	18.0
75°	18.0
77.5°	15.7
80°	15.7
82.5°	13.5
85°	11.2
87.5°	6.7
90°	0.0

(END OF REPORT)