

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: P365821

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
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-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4066.0 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

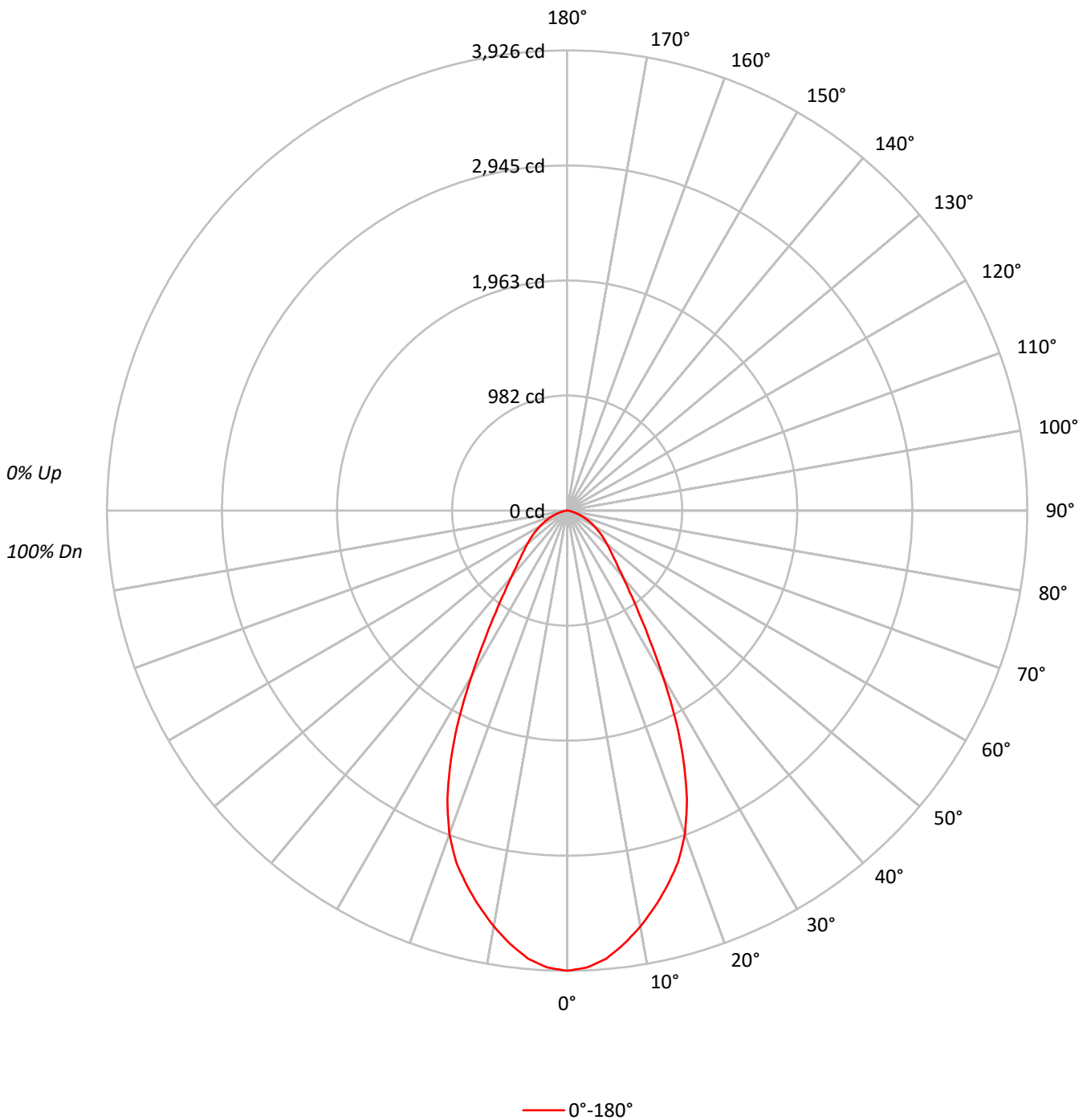
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	281087
5°	275757
10°	261881
15°	245259
20°	223859
25°	185572
30°	134642
35°	93118
40°	68868
45°	56311
50°	49403
55°	43942
60°	38307
65°	32597
70°	26043
75°	18812
80°	13566
85°	15445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.5	8.8
10°-20°	925.1	22.8
20°-30°	1058.2	26.0
30°-40°	686.1	16.9
40°-50°	437.4	10.8
50°-60°	315.1	7.7
60°-70°	191.5	4.7
70°-80°	76.3	1.9
80°-90°	17.9	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°	2341.8	57.6
0°-40°	3027.8	74.5
0°-60°	3780.3	93.0
0°-90°	4066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4066.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3926	
5°	3837	359
15°	3309	925
25°	2349	1058
35°	1065	686
45°	556	437
55°	352	315
65°	192	192
75°	68	76
85°	19	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3925.7
2.5°	3902.3
5°	3836.6
7.5°	3728.6
10°	3601.9
12.5°	3461.1
15°	3308.6
17.5°	3146.7
20°	2937.9
22.5°	2670.3
25°	2348.9
27.5°	1996.9
30°	1628.5
32.5°	1311.7
35°	1065.3
37.5°	877.6
40°	736.8
42.5°	633.6
45°	556.1
47.5°	495.1
50°	443.5
52.5°	396.6
55°	352.0
57.5°	307.4
60°	267.5
62.5°	230.0
65°	192.4
67.5°	157.2
70°	124.4
72.5°	96.2
75°	68.0
77.5°	46.9
80°	32.9
82.5°	21.1
85°	18.8
87.5°	9.4
90°	0.0

(END OF REPORT)