

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: P365840

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4486.0 lumens
Efficiency: N/A
Efficacy: 61.1 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

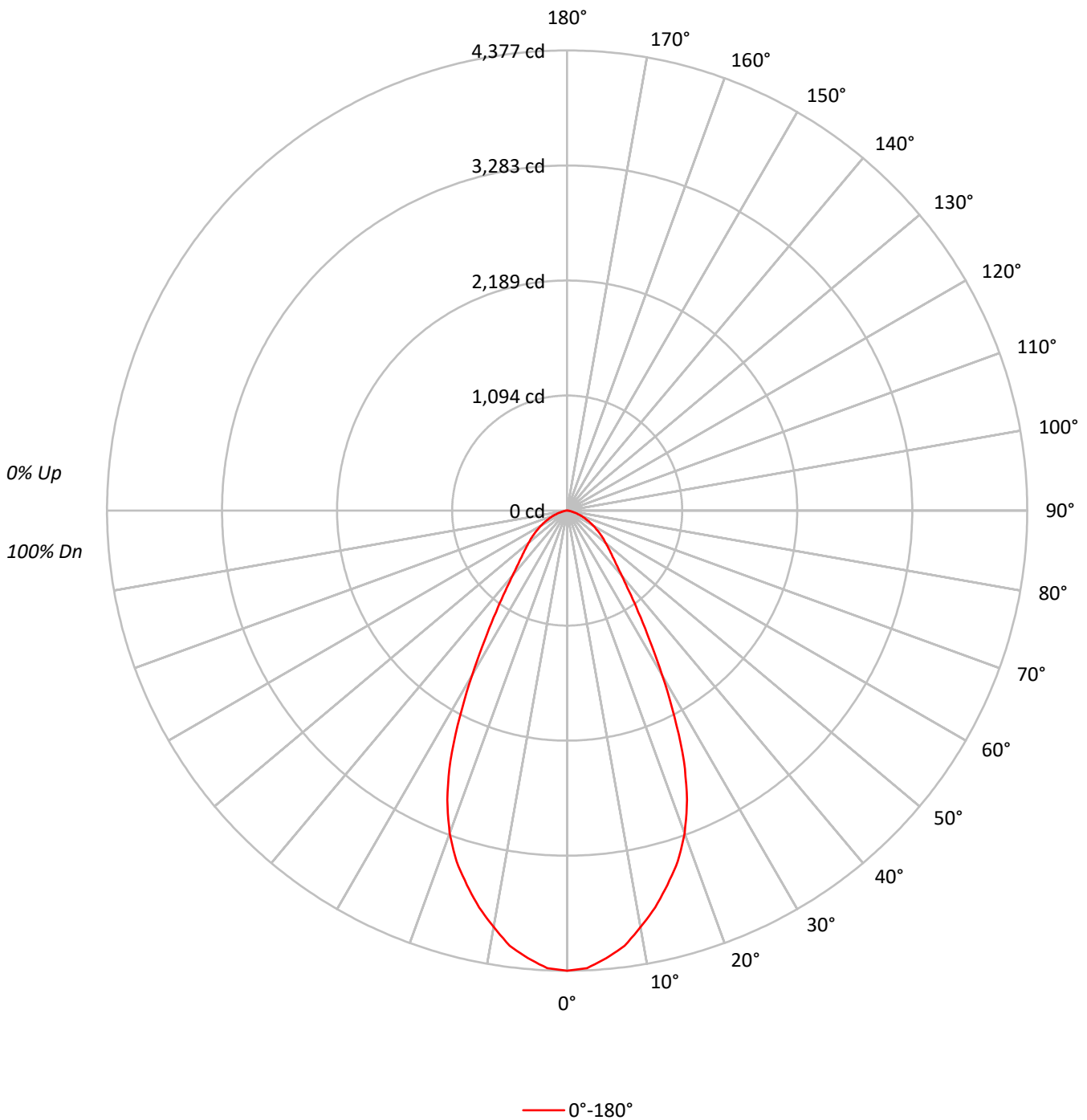
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	313408
5°	307210
10°	292491
15°	273198
20°	248913
25°	207788
30°	149384
35°	103126
40°	75383
45°	61070
50°	53313
55°	47200
60°	41128
65°	34868
70°	28053
75°	19863
80°	13813
85°	15691



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.5	8.9
10°-20°	1030.7	23.0
20°-30°	1178.1	26.3
30°-40°	757.9	16.9
40°-50°	475.0	10.6
50°-60°	339.2	7.6
60°-70°	205.7	4.6
70°-80°	80.6	1.8
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°	2609.3	58.2
0°-40°	3367.2	75.1
0°-60°	4181.4	93.2
0°-90°	4486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4486.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4377	
5°	4274	401
15°	3686	1031
25°	2630	1178
35°	1180	758
45°	603	475
55°	378	339
65°	206	206
75°	72	81
85°	19	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4377.1
2.5°	4355.5
5°	4274.2
7.5°	4176.1
10°	4022.9
12.5°	3867.3
15°	3685.5
17.5°	3498.8
20°	3266.7
22.5°	2979.5
25°	2630.1
27.5°	2208.9
30°	1806.8
32.5°	1452.6
35°	1179.8
37.5°	964.4
40°	806.5
42.5°	689.2
45°	603.1
47.5°	536.1
50°	478.6
52.5°	428.4
55°	378.1
57.5°	330.3
60°	287.2
62.5°	246.5
65°	205.8
67.5°	169.9
70°	134.0
72.5°	100.5
75°	71.8
77.5°	50.3
80°	33.5
82.5°	21.5
85°	19.1
87.5°	9.6
90°	0.0

(END OF REPORT)