

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: P365857

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365857
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-FEU6B67-8040-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: 4192.1 lumens
Efficiency: N/A
Efficacy: 57.1 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

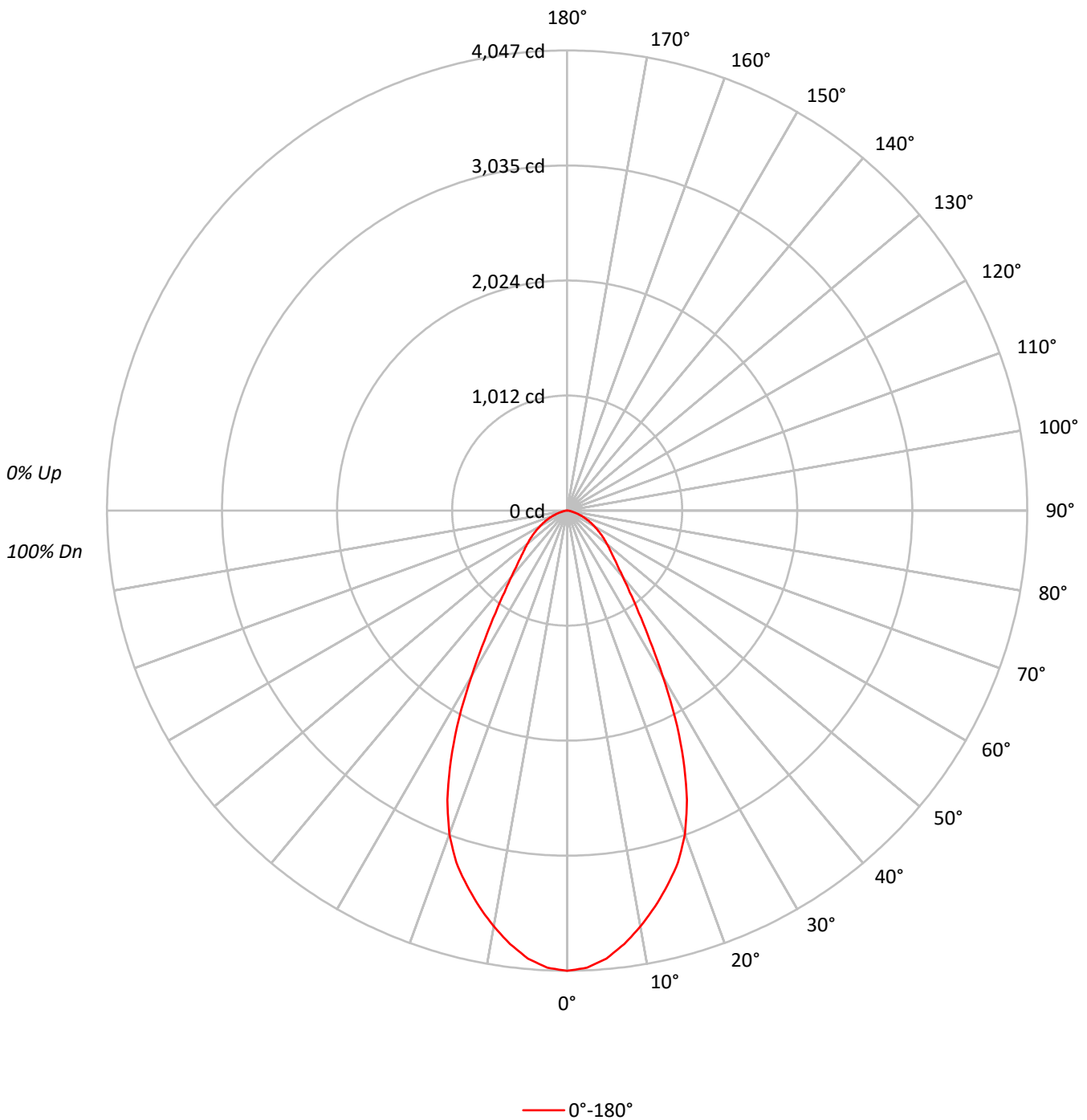
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	289801
5°	284303
10°	269995
15°	252857
20°	230793
25°	191324
30°	138818
35°	96002
40°	70999
45°	58063
50°	50929
55°	45302
60°	39496
65°	33614
70°	26839
75°	19421
80°	13978
85°	15938



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.6	8.8
10°-20°	953.8	22.8
20°-30°	1091.0	26.0
30°-40°	707.3	16.9
40°-50°	451.0	10.8
50°-60°	324.8	7.7
60°-70°	197.5	4.7
70°-80°	78.7	1.9
80°-90°	18.5	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°	2414.3	57.6
0°-40°	3121.7	74.5
0°-60°	3897.5	93.0
0°-90°	4192.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4192.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4047	
5°	3956	370
15°	3411	954
25°	2422	1091
35°	1098	707
45°	573	451
55°	363	325
65°	198	197
75°	70	79
85°	19	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4047.4
2.5°	4023.2
5°	3955.5
7.5°	3844.2
10°	3713.5
12.5°	3568.4
15°	3411.1
17.5°	3244.2
20°	3028.9
22.5°	2753.1
25°	2421.7
27.5°	2058.8
30°	1679.0
32.5°	1352.4
35°	1098.3
37.5°	904.8
40°	759.6
42.5°	653.2
45°	573.4
47.5°	510.5
50°	457.2
52.5°	408.9
55°	362.9
57.5°	316.9
60°	275.8
62.5°	237.1
65°	198.4
67.5°	162.1
70°	128.2
72.5°	99.2
75°	70.2
77.5°	48.4
80°	33.9
82.5°	21.8
85°	19.4
87.5°	9.7
90°	0.0

(END OF REPORT)