

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: P365138

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
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-LI-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5735.0 lumens
Efficiency: N/A
Efficacy: 78.1 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

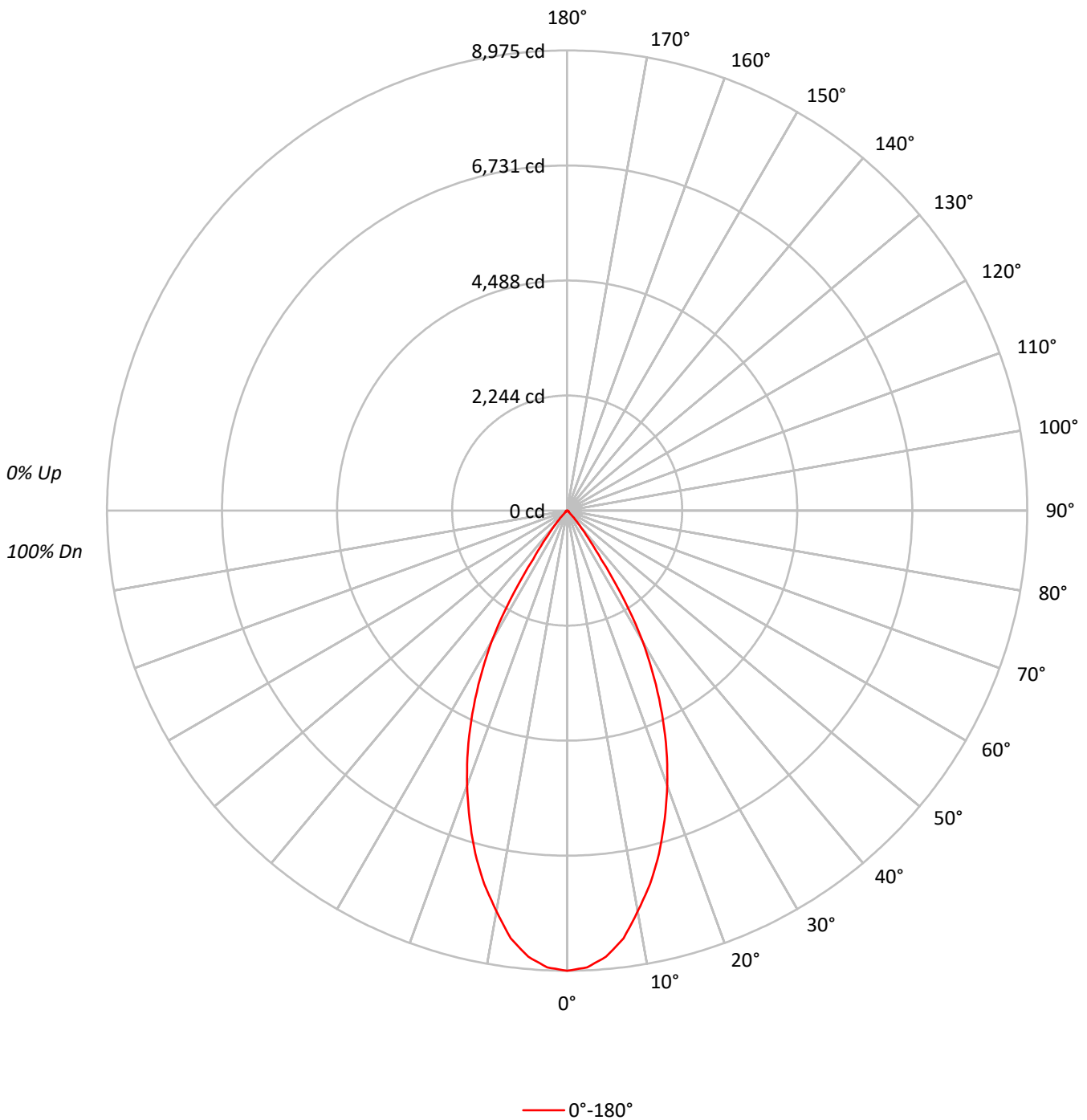
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89
3	104	98	93	90	102	97	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	79
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	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
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°	642612
5°	627688
10°	576918
15°	513438
20°	434895
25°	345832
30°	243142
35°	101474
40°	35042
45°	9063
50°	4578
55°	4232
60°	4153
65°	4100
70°	4040
75°	5339
80°	5979
85°	9941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	808.5	14.1
10°-20°	1918.7	33.5
20°-30°	1979.8	34.5
30°-40°	842.1	14.7
40°-50°	101.1	1.8
50°-60°	30.6	0.5
60°-70°	23.9	0.4
70°-80°	19.1	0.3
80°-90°	11.2	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°	4707.0	82.1
0°-40°	5549.1	96.8
0°-60°	5680.7	99.1
0°-90°	5735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5735.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8975	
5°	8733	808
15°	6926	1919
25°	4377	1980
35°	1161	842
45°	90	101
55°	34	31
65°	24	24
75°	19	19
85°	12	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8974.8
2.5°	8916.8
5°	8733.0
7.5°	8413.7
10°	7934.9
12.5°	7463.3
15°	6926.4
17.5°	6321.8
20°	5707.5
22.5°	5066.6
25°	4377.4
27.5°	3666.4
30°	2940.8
32.5°	2084.7
35°	1160.9
37.5°	667.5
40°	374.9
42.5°	193.5
45°	89.5
47.5°	48.4
50°	41.1
52.5°	36.3
55°	33.9
57.5°	31.4
60°	29.0
62.5°	26.6
65°	24.2
67.5°	21.8
70°	19.3
72.5°	19.3
75°	19.3
77.5°	16.9
80°	14.5
82.5°	14.5
85°	12.1
87.5°	7.3
90°	0.0

(END OF REPORT)