

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: P365148

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5738.0 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

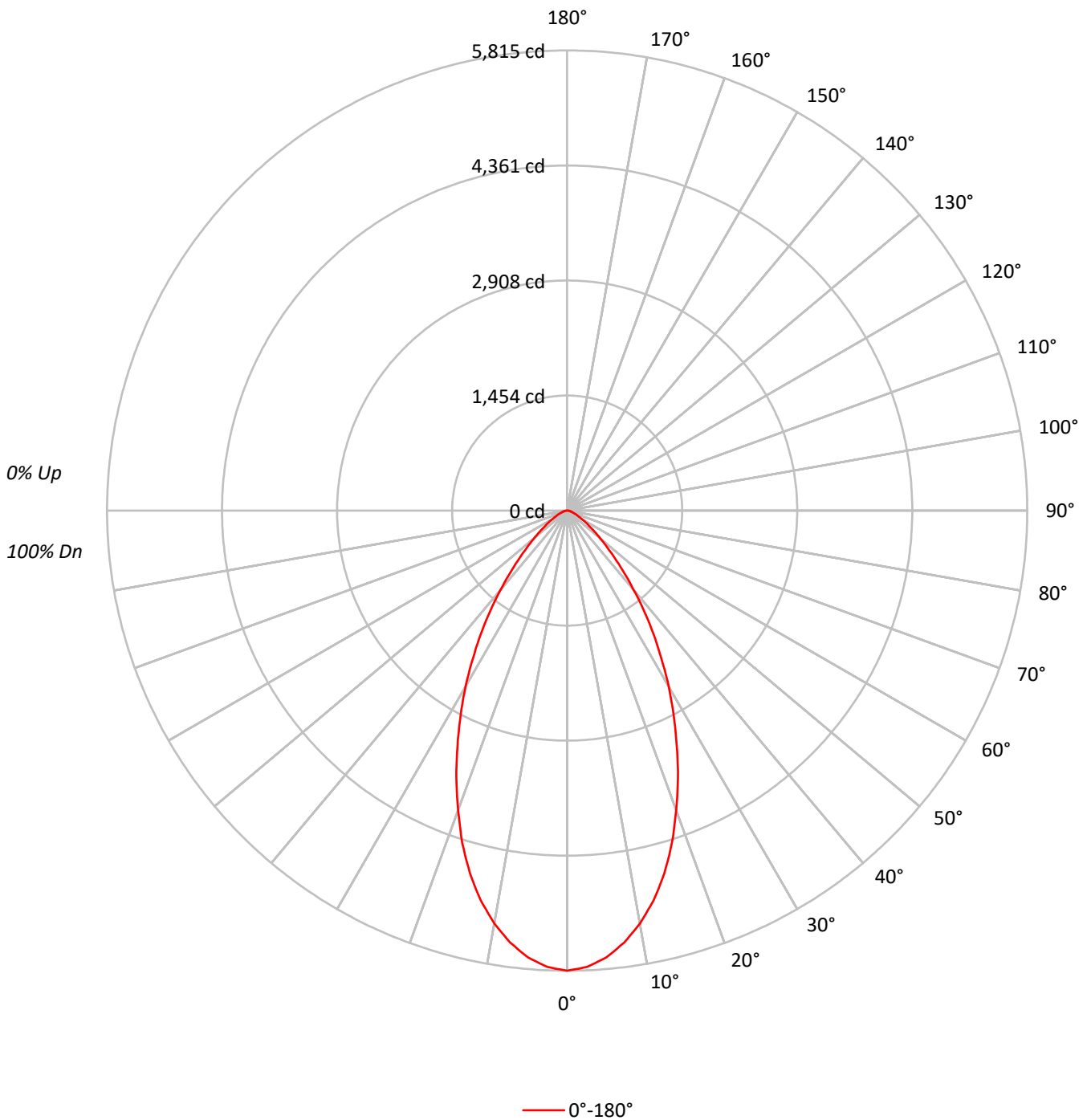
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	416343
5°	407433
10°	385119
15°	351699
20°	306770
25°	258959
30°	212211
35°	165886
40°	122268
45°	86051
50°	60720
55°	42993
60°	30517
65°	22669
70°	17627
75°	14386
80°	13277
85°	14213



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.3	9.2
10°-20°	1317.8	23.0
20°-30°	1501.4	26.2
30°-40°	1185.0	20.7
40°-50°	673.5	11.7
50°-60°	317.8	5.5
60°-70°	137.5	2.4
70°-80°	57.1	1.0
80°-90°	18.5	0.3
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°	3348.5	58.4
0°-40°	4533.5	79.0
0°-60°	5524.8	96.3
0°-90°	5738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5738.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5815	
5°	5669	529
15°	4744	1318
25°	3278	1501
35°	1898	1185
45°	850	673
55°	344	318
65°	134	138
75°	52	57
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5814.7
2.5°	5772.6
5°	5668.6
7.5°	5507.5
10°	5296.9
12.5°	5044.2
15°	4744.5
17.5°	4405.0
20°	4026.0
22.5°	3659.3
25°	3277.8
27.5°	2913.6
30°	2566.7
32.5°	2214.9
35°	1897.8
37.5°	1593.0
40°	1308.1
42.5°	1065.3
45°	849.8
47.5°	678.8
50°	545.1
52.5°	433.6
55°	344.4
57.5°	272.5
60°	213.1
62.5°	168.5
65°	133.8
67.5°	106.5
70°	84.2
72.5°	66.9
75°	52.0
77.5°	39.6
80°	32.2
82.5°	24.8
85°	17.3
87.5°	9.9
90°	0.0

(END OF REPORT)