

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: P366525

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5082.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

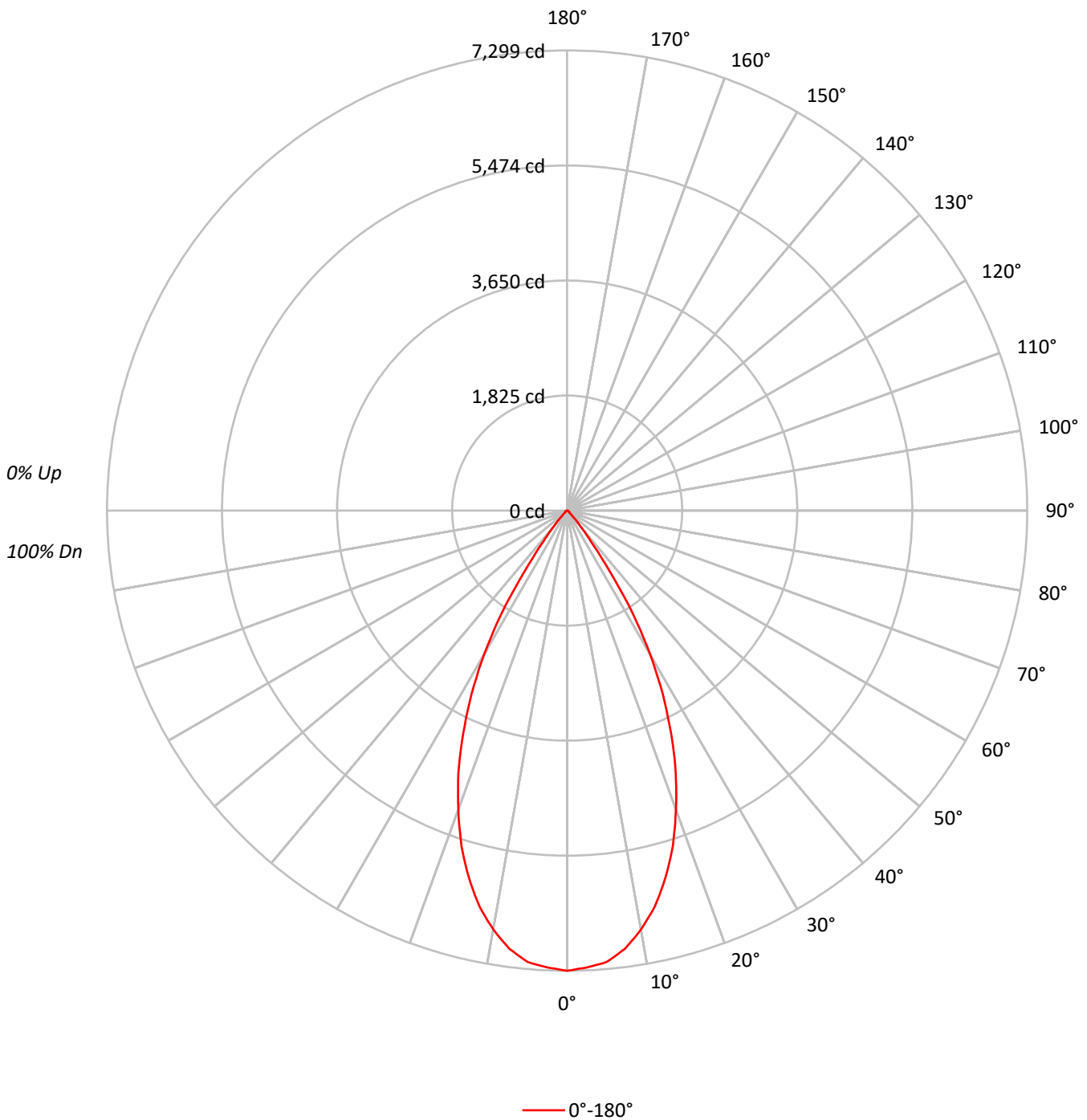
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	522629
5°	516719
10°	490543
15°	446723
20°	384460
25°	308013
30°	217304
35°	100644
40°	32724
45°	10450
50°	5002
55°	4482
60°	4182
65°	3795
70°	3768
75°	4980
80°	5567
85°	9201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.8	13.2
10°-20°	1671.3	32.9
20°-30°	1763.8	34.7
30°-40°	789.3	15.5
40°-50°	103.3	2.0
50°-60°	31.8	0.6
60°-70°	22.5	0.4
70°-80°	17.8	0.4
80°-90°	10.4	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°	4106.9	80.8
0°-40°	4896.2	96.3
0°-60°	5031.3	99.0
0°-90°	5082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5082.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7299	
5°	7189	672
15°	6026	1671
25°	3899	1764
35°	1151	789
45°	103	103
55°	36	32
65°	22	22
75°	18	18
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7299.1
2.5°	7251.9
5°	7189.1
7.5°	7011.8
10°	6746.9
12.5°	6430.4
15°	6026.4
17.5°	5577.5
20°	5045.6
22.5°	4504.7
25°	3898.7
27.5°	3285.9
30°	2628.3
32.5°	1948.2
35°	1151.4
37.5°	626.2
40°	350.1
42.5°	195.3
45°	103.2
47.5°	53.9
50°	44.9
52.5°	38.2
55°	35.9
57.5°	31.4
60°	29.2
62.5°	24.7
65°	22.4
67.5°	20.2
70°	18.0
72.5°	18.0
75°	18.0
77.5°	15.7
80°	13.5
82.5°	13.5
85°	11.2
87.5°	6.7
90°	0.0

(END OF REPORT)