

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: P366527

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-WMH-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6149.9 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

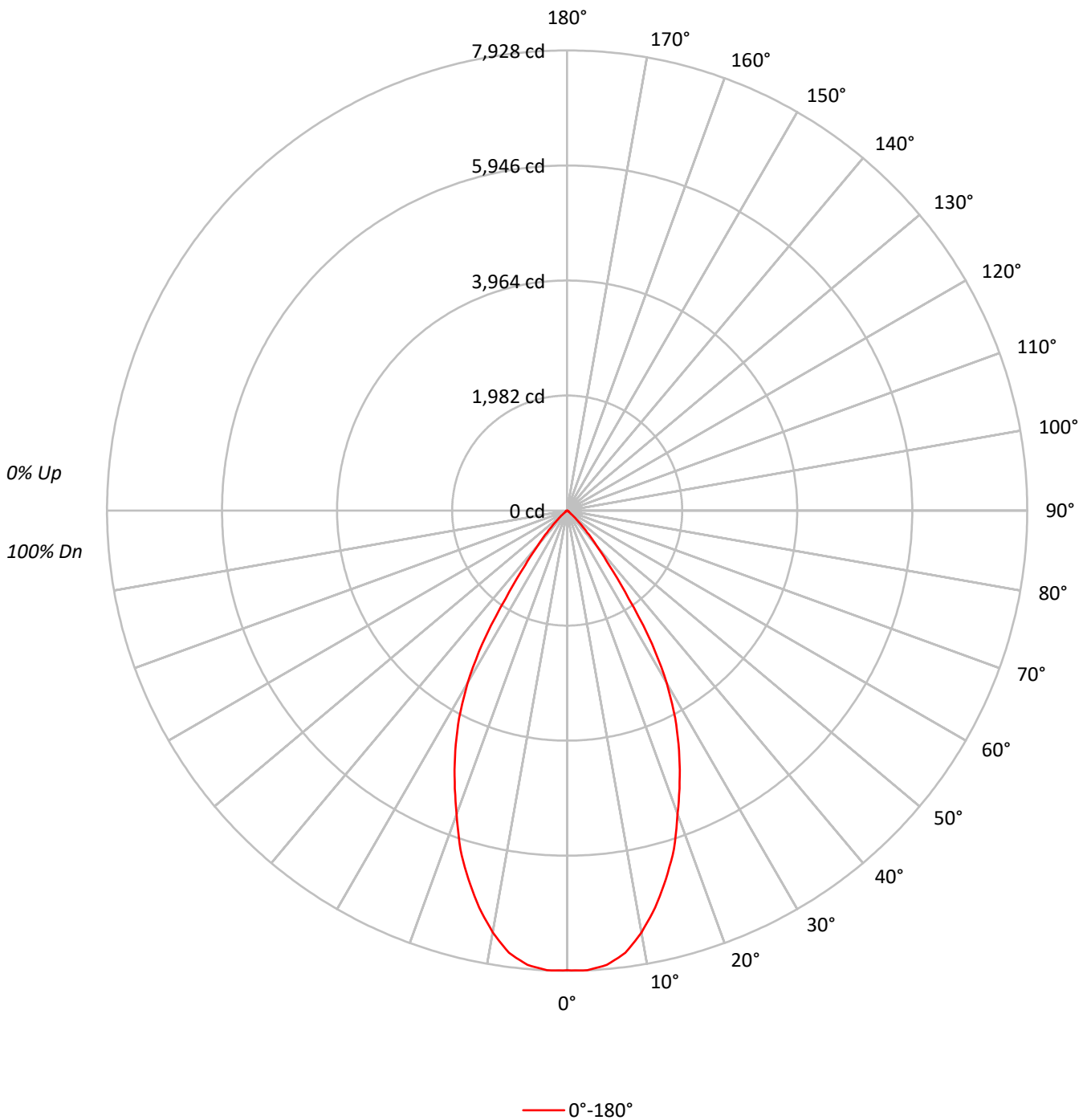
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	216353
5°	215441
10°	204658
15°	185902
20°	161765
25°	137531
30°	108189
35°	61726
40°	27774
45°	11693
50°	3689
55°	1119
60°	770
65°	608
70°	559
75°	739
80°	362
85°	721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.9	12.0
10°-20°	1828.6	29.7
20°-30°	2072.2	33.7
30°-40°	1201.3	19.5
40°-50°	266.4	4.3
50°-60°	29.2	0.5
60°-70°	9.5	0.2
70°-80°	6.2	0.1
80°-90°	1.6	0.0
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°	4635.8	75.4
0°-40°	5837.1	94.9
0°-60°	6132.7	99.7
0°-90°	6149.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6149.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7921	
5°	7857	735
15°	6574	1829
25°	4563	2072
35°	1851	1201
45°	303	266
55°	24	29
65°	9	10
75°	7	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7920.6
2.5°	7927.6
5°	7857.2
7.5°	7686.0
10°	7378.6
12.5°	7005.6
15°	6573.9
17.5°	6118.7
20°	5565.0
22.5°	5065.3
25°	4563.2
27.5°	4028.3
30°	3430.1
32.5°	2723.9
35°	1851.1
37.5°	1189.5
40°	778.9
42.5°	509.1
45°	302.7
47.5°	168.9
50°	86.8
52.5°	39.9
55°	23.5
57.5°	18.8
60°	14.1
62.5°	11.7
65°	9.4
67.5°	7.0
70°	7.0
72.5°	7.0
75°	7.0
77.5°	4.7
80°	2.3
82.5°	2.3
85°	2.3
87.5°	0.0
90°	0.0

(END OF REPORT)