

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: P366544

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)
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
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6710.9 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

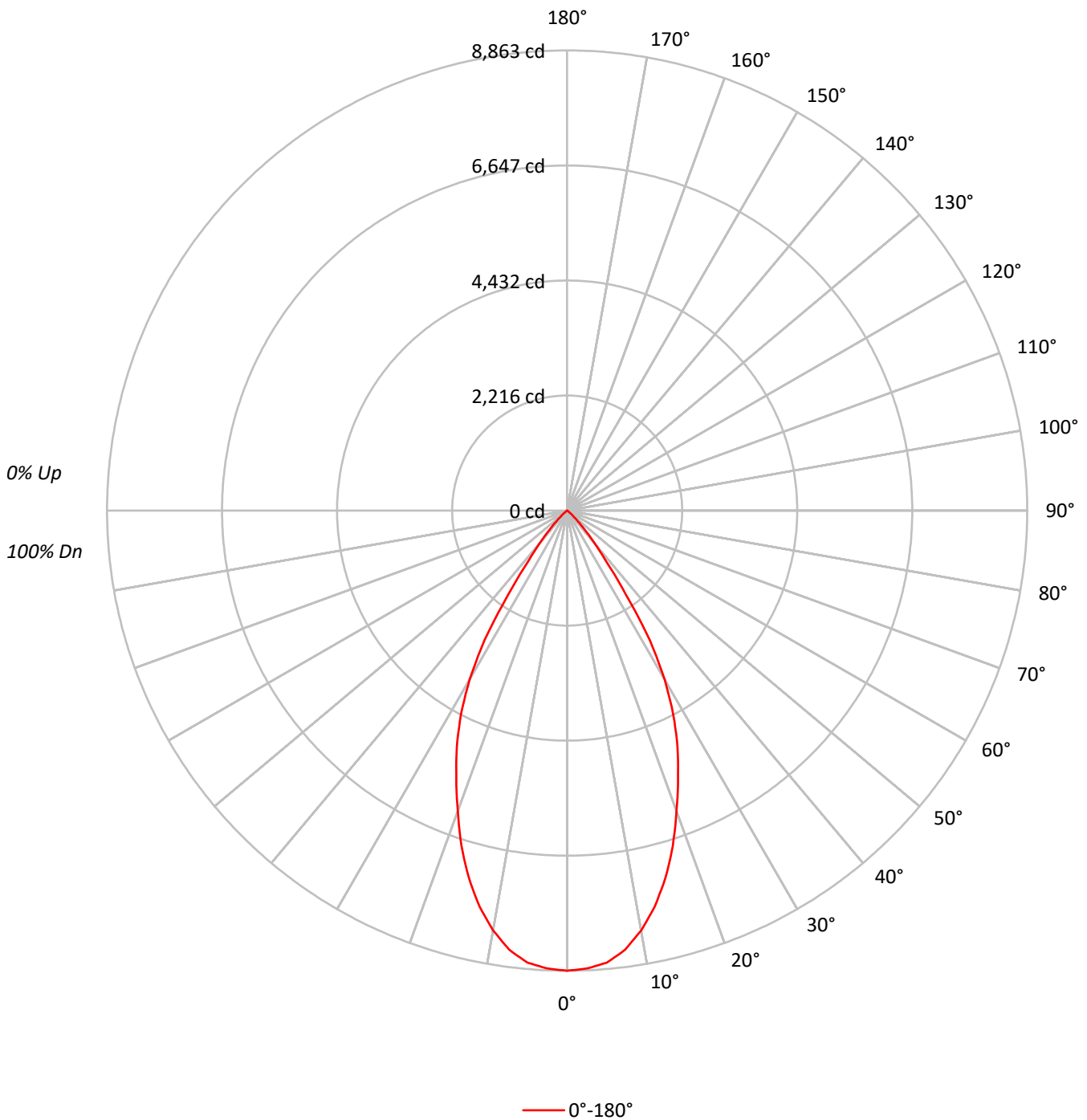
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	64	59	56	64	59	55	63	58	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242106
5°	239683
10°	227679
15°	206981
20°	179061
25°	151639
30°	118351
35°	65888
40°	28868
45°	11604
50°	3191
55°	557
60°	382
65°	304
70°	184
75°	243
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.2	12.2
10°-20°	2030.8	30.3
20°-30°	2281.3	34.0
30°-40°	1290.7	19.2
40°-50°	266.1	4.0
50°-60°	19.3	0.3
60°-70°	4.0	0.1
70°-80°	1.5	0.0
80°-90°	0.0	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
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0°-30°	5129.3	76.4
0°-40°	6420.1	95.7
0°-60°	6705.4	99.9
0°-90°	6710.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6710.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8863	
5°	8741	817
15°	7319	2031
25°	5031	2281
35°	1976	1291
45°	300	266
55°	12	19
65°	5	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8863.4
2.5°	8825.8
5°	8741.3
7.5°	8532.5
10°	8208.6
12.5°	7805.0
15°	7319.3
17.5°	6767.8
20°	6160.0
22.5°	5578.0
25°	5031.3
27.5°	4425.8
30°	3752.3
32.5°	2968.5
35°	1975.9
37.5°	1239.0
40°	809.6
42.5°	511.6
45°	300.4
47.5°	159.6
50°	75.1
52.5°	25.8
55°	11.7
57.5°	9.4
60°	7.0
62.5°	4.7
65°	4.7
67.5°	2.3
70°	2.3
72.5°	2.3
75°	2.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)