

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: P364924

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI
Description: VANDAL RESISTANT OPEN, SPECULAR CLEAR REFLECTOR, 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5011.9 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

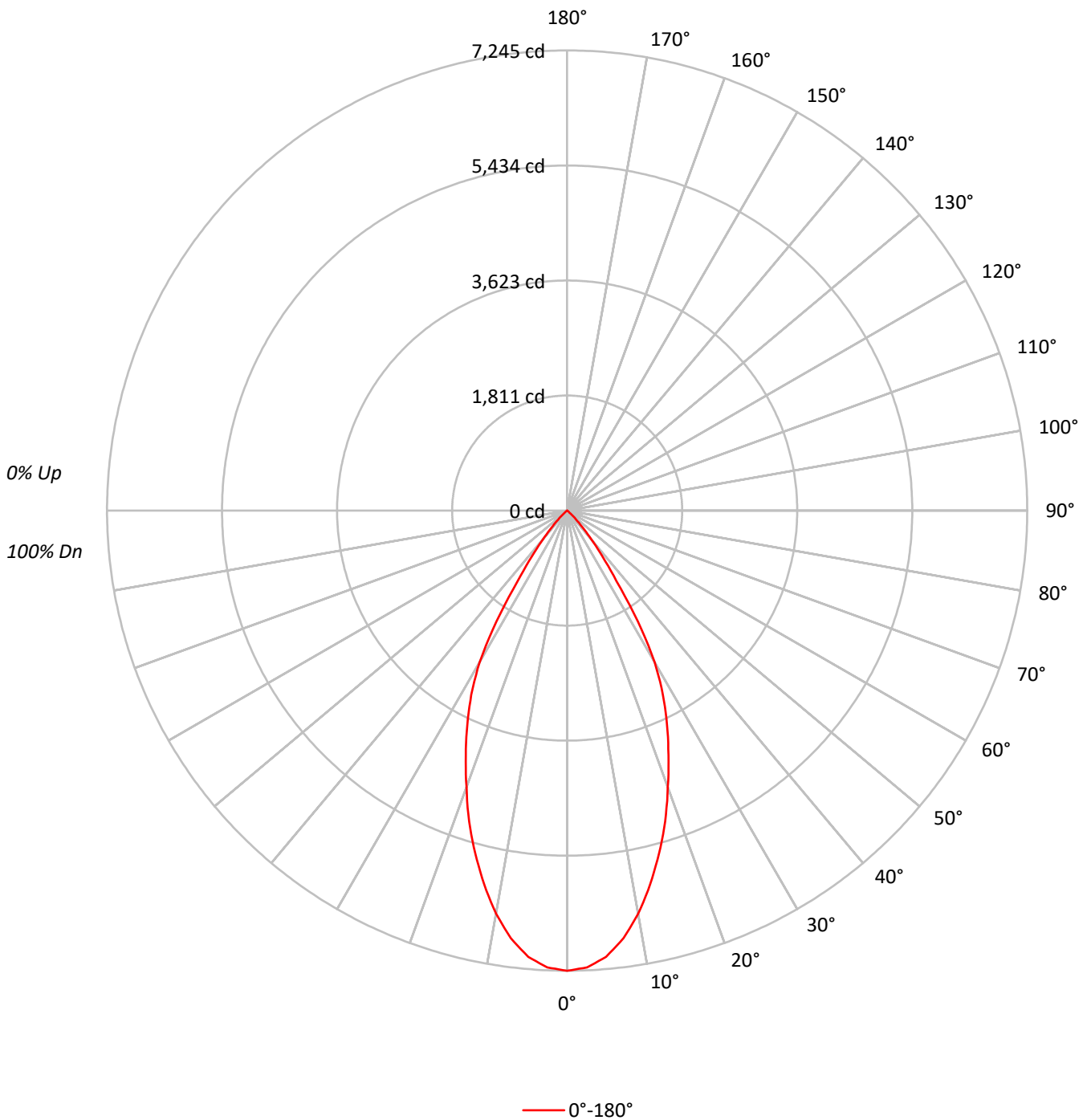
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	85	80	76	84	79	76	82	78	75	81	77	75	73
6	90	81	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67	74	70	66	73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	197907
5°	193366
10°	178763
15°	158079
20°	134755
25°	112096
30°	86943
35°	45160
40°	20974
45°	7927
50°	1742
55°	243
60°	93
65°	110
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.5	13.0
10°-20°	1553.9	31.0
20°-30°	1693.6	33.8
30°-40°	915.7	18.3
40°-50°	185.0	3.7
50°-60°	8.8	0.2
60°-70°	1.5	0.0
70°-80°	0.0	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
0°-30°	3901.0	77.8
0°-40°	4816.7	96.1
0°-60°	5010.5	100.0
0°-90°	5011.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5011.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7245	
5°	7052	653
15°	5590	1554
25°	3719	1694
35°	1354	916
45°	205	185
55°	5	9
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7245.3
2.5°	7197.4
5°	7052.1
7.5°	6790.5
10°	6445.0
12.5°	6032.9
15°	5590.0
17.5°	5131.7
20°	4635.8
22.5°	4169.0
25°	3719.3
27.5°	3267.8
30°	2756.5
32.5°	2074.2
35°	1354.3
37.5°	904.6
40°	588.2
42.5°	362.5
45°	205.2
47.5°	102.6
50°	41.0
52.5°	10.3
55°	5.1
57.5°	3.4
60°	1.7
62.5°	1.7
65°	1.7
67.5°	1.7
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)