

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: P364770

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364770
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: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2340.0 lumens
Efficiency: N/A
Efficacy: 86.7 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

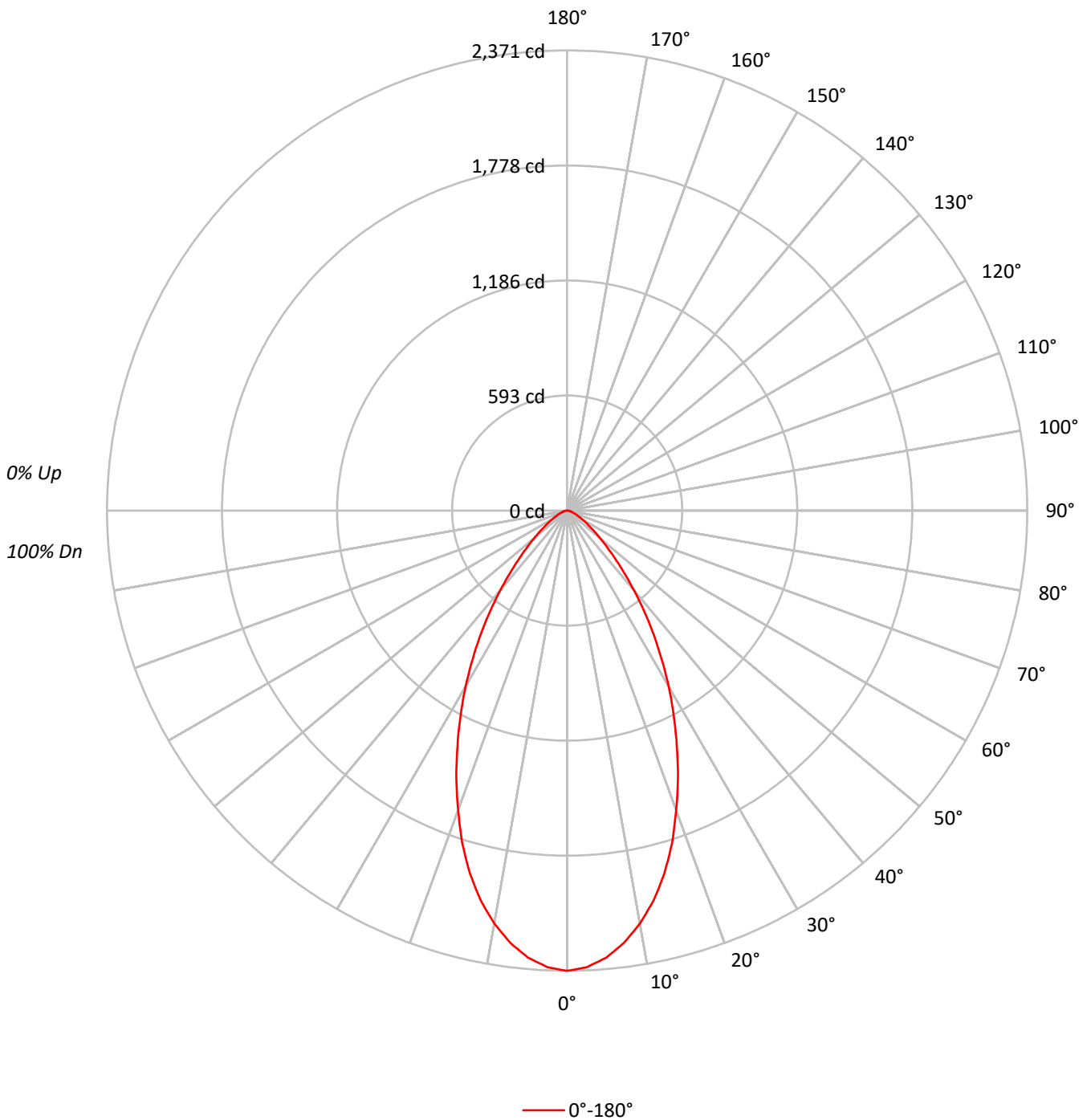
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	169789
5°	166154
10°	157053
15°	143422
20°	125100
25°	105605
30°	86540
35°	67646
40°	49866
45°	35097
50°	24763
55°	17527
60°	12444
65°	9251
70°	7202
75°	5865
80°	5402
85°	5833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.8	9.2
10°-20°	537.4	23.0
20°-30°	612.3	26.2
30°-40°	483.3	20.7
40°-50°	274.7	11.7
50°-60°	129.6	5.5
60°-70°	56.1	2.4
70°-80°	23.3	1.0
80°-90°	7.6	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°	1365.5	58.4
0°-40°	1848.8	79.0
0°-60°	2253.1	96.3
0°-90°	2340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2340.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2371	
5°	2312	216
15°	1935	537
25°	1337	612
35°	774	483
45°	347	275
55°	140	130
65°	55	56
75°	21	23
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2371.3
2.5°	2354.1
5°	2311.7
7.5°	2246.0
10°	2160.1
12.5°	2057.1
15°	1934.8
17.5°	1796.4
20°	1641.8
22.5°	1492.3
25°	1336.7
27.5°	1188.2
30°	1046.7
32.5°	903.3
35°	773.9
37.5°	649.7
40°	533.5
42.5°	434.5
45°	346.6
47.5°	276.8
50°	222.3
52.5°	176.8
55°	140.4
57.5°	111.1
60°	86.9
62.5°	68.7
65°	54.6
67.5°	43.4
70°	34.4
72.5°	27.3
75°	21.2
77.5°	16.2
80°	13.1
82.5°	10.1
85°	7.1
87.5°	4.0
90°	0.0

(END OF REPORT)