

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: P366212

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2171.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

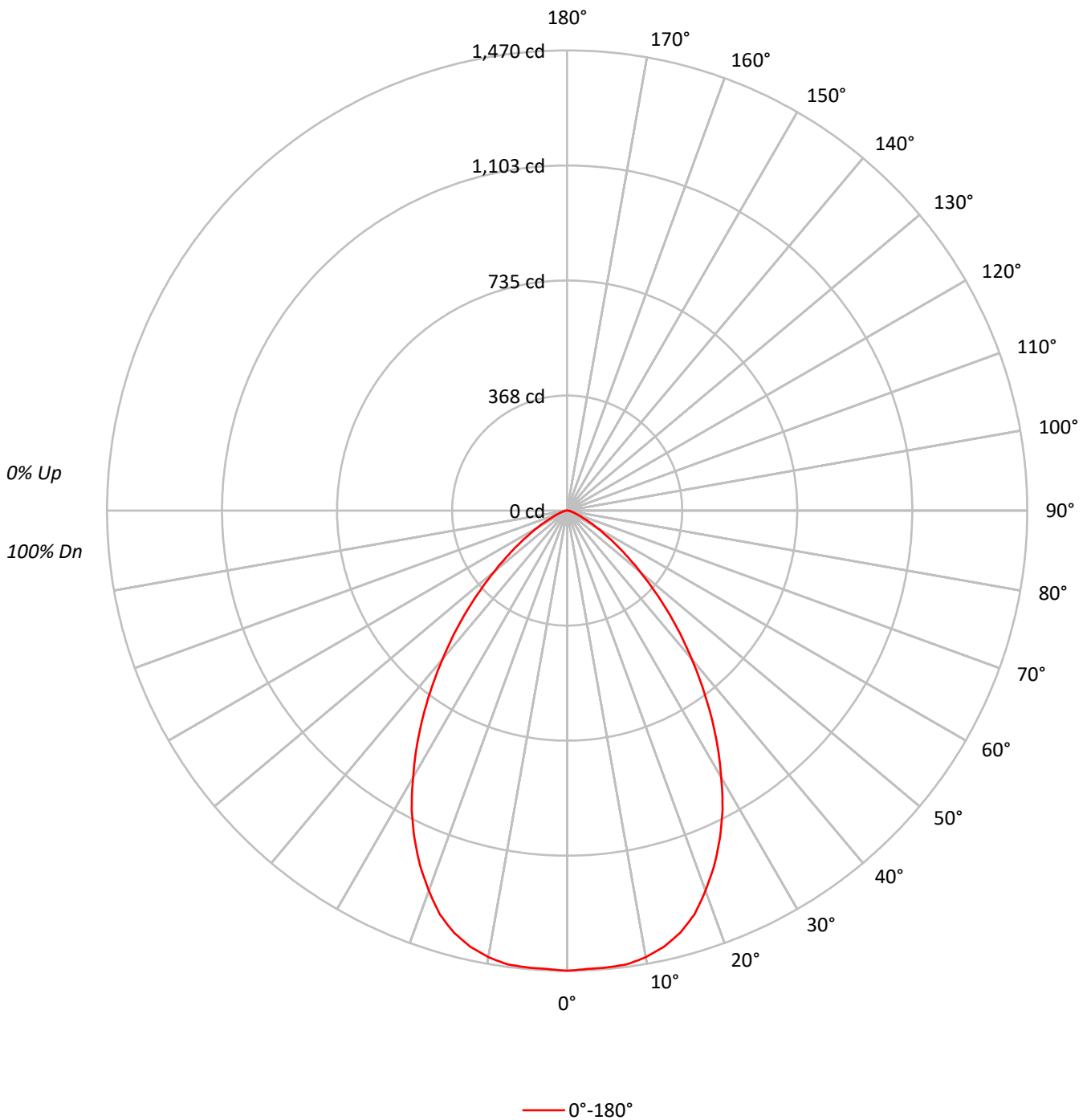
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105248
5°	105290
10°	105330
15°	103490
20°	98447
25°	91210
30°	81414
35°	70076
40°	57830
45°	45760
50°	34008
55°	23981
60°	15924
65°	9759
70°	6343
75°	4758
80°	4165
85°	5011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	6.4
10°-20°	390.9	18.0
20°-30°	527.7	24.3
30°-40°	499.3	23.0
40°-50°	350.0	16.1
50°-60°	176.1	8.1
60°-70°	62.2	2.9
70°-80°	19.4	0.9
80°-90°	6.1	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°	1057.9	48.7
0°-40°	1557.2	71.7
0°-60°	2083.3	96.0
0°-90°	2171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2171.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1470	
5°	1465	139
15°	1396	391
25°	1154	528
35°	802	499
45°	452	350
55°	192	176
65°	58	62
75°	17	19
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1469.9
2.5°	1465.9
5°	1464.9
7.5°	1461.9
10°	1448.7
12.5°	1427.5
15°	1396.1
17.5°	1352.7
20°	1292.0
22.5°	1227.3
25°	1154.5
27.5°	1075.7
30°	984.7
32.5°	894.7
35°	801.7
37.5°	709.7
40°	618.7
42.5°	534.8
45°	451.9
47.5°	376.1
50°	305.3
52.5°	244.7
55°	192.1
57.5°	147.6
60°	111.2
62.5°	81.9
65°	57.6
67.5°	42.5
70°	30.3
72.5°	23.3
75°	17.2
77.5°	13.1
80°	10.1
82.5°	8.1
85°	6.1
87.5°	3.0
90°	0.0

(END OF REPORT)