

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: P366176

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366176
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-FEU6B35-8030-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: 2106.0 lumens
Efficiency: N/A
Efficacy: 78.0 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

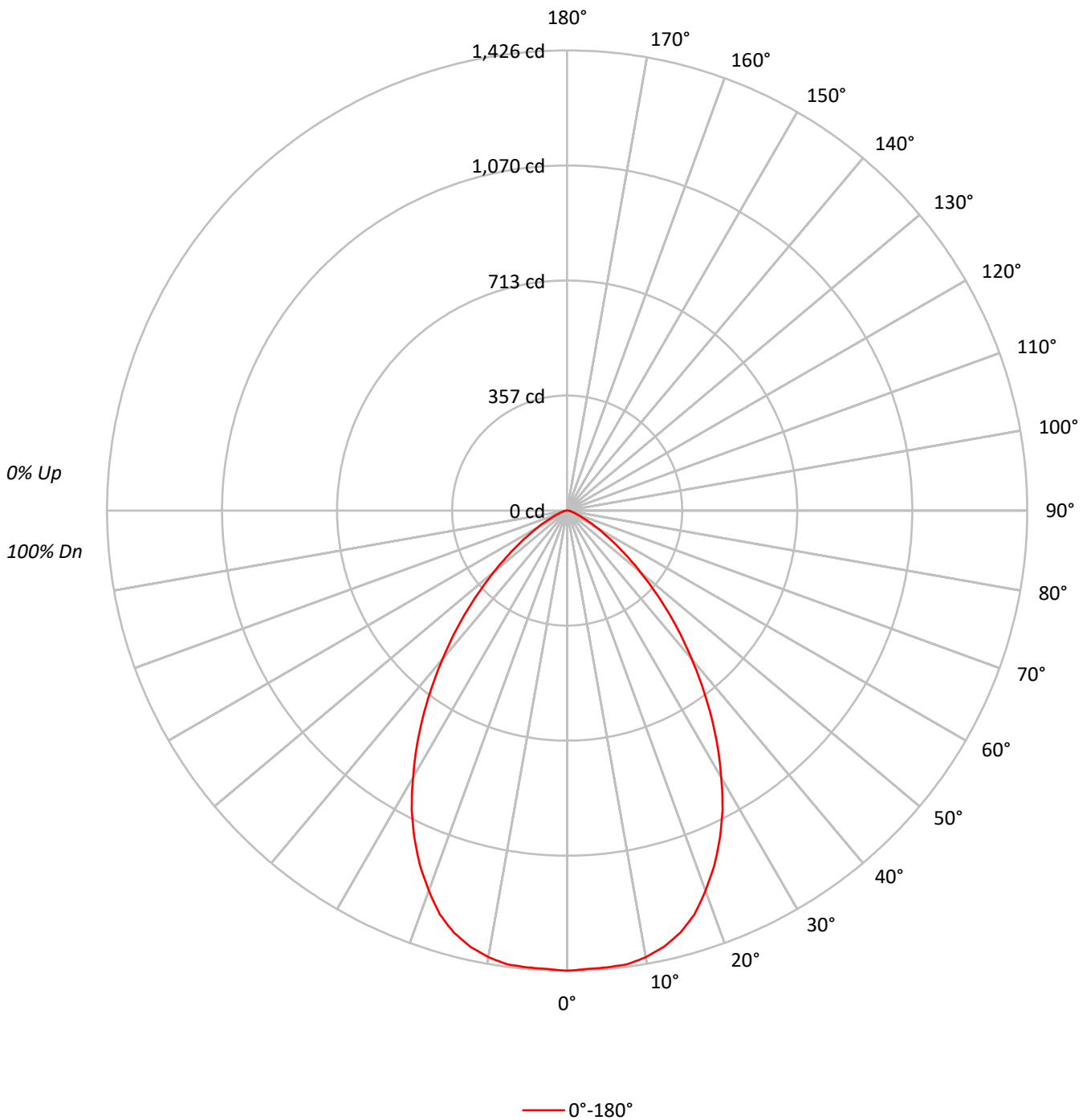
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	102097
5°	102135
10°	102174
15°	100391
20°	95498
25°	88484
30°	78975
35°	67979
40°	56100
45°	44393
50°	32995
55°	23257
60°	15452
65°	9471
70°	6155
75°	4620
80°	4041
85°	4847



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	6.4
10°-20°	379.1	18.0
20°-30°	511.9	24.3
30°-40°	484.3	23.0
40°-50°	339.5	16.1
50°-60°	170.8	8.1
60°-70°	60.3	2.9
70°-80°	18.9	0.9
80°-90°	5.9	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°	1026.3	48.7
0°-40°	1510.6	71.7
0°-60°	2020.9	96.0
0°-90°	2106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2106.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1426	
5°	1421	135
15°	1354	379
25°	1120	512
35°	778	484
45°	438	340
55°	186	171
65°	56	60
75°	17	19
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1425.9
2.5°	1422.0
5°	1421.0
7.5°	1418.1
10°	1405.3
12.5°	1384.7
15°	1354.3
17.5°	1312.2
20°	1253.3
22.5°	1190.6
25°	1120.0
27.5°	1043.5
30°	955.2
32.5°	867.9
35°	777.7
37.5°	688.4
40°	600.2
42.5°	518.8
45°	438.4
47.5°	364.8
50°	296.2
52.5°	237.3
55°	186.3
57.5°	143.2
60°	107.9
62.5°	79.4
65°	55.9
67.5°	41.2
70°	29.4
72.5°	22.6
75°	16.7
77.5°	12.7
80°	9.8
82.5°	7.8
85°	5.9
87.5°	2.9
90°	0.0

(END OF REPORT)