

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: P365514

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1801.1 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

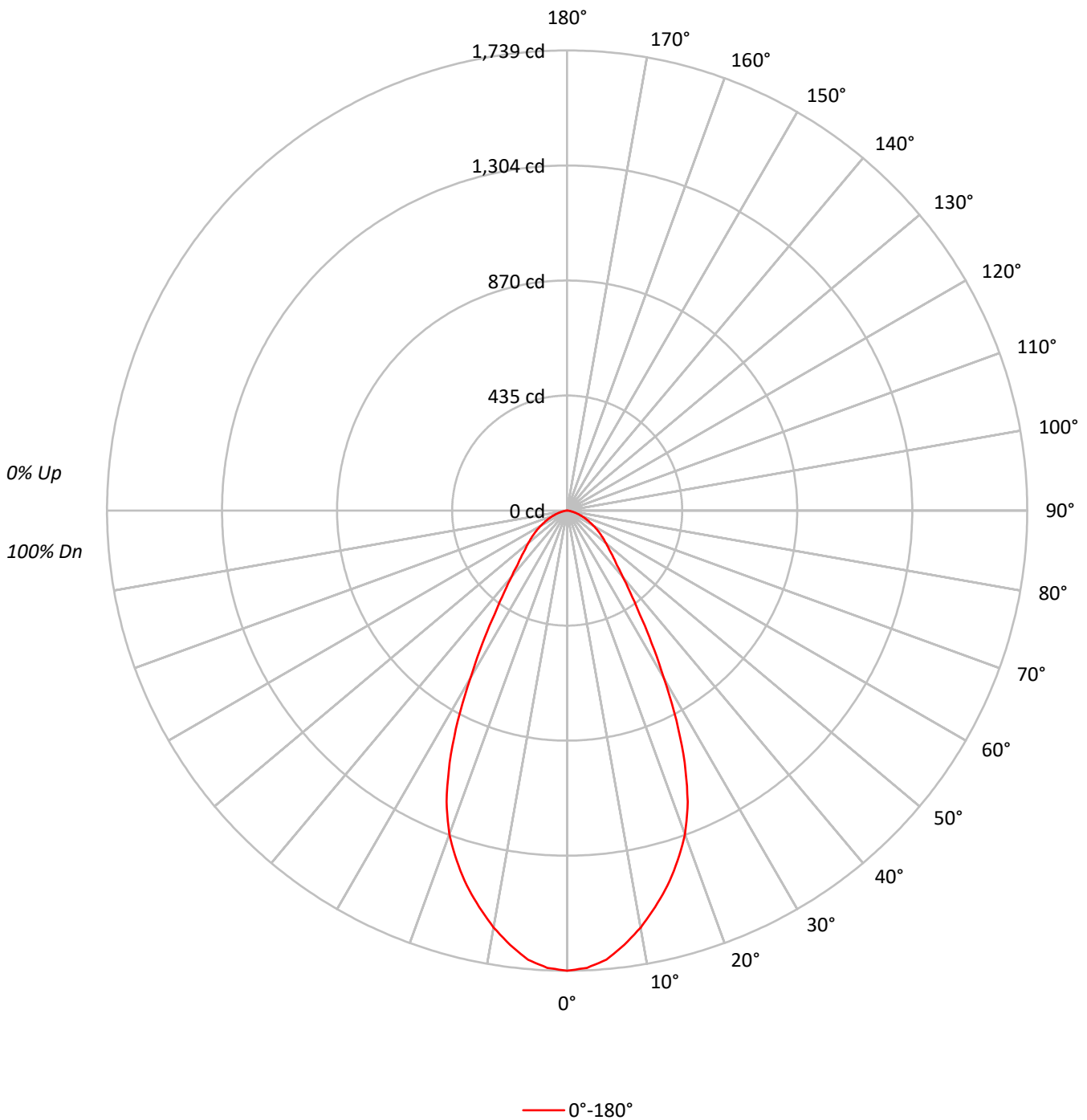
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124501
5°	122447
10°	116338
15°	108708
20°	99193
25°	83049
30°	60455
35°	41826
40°	30593
45°	24647
50°	21343
55°	18875
60°	16468
65°	14045
70°	11493
75°	8604
80°	5979
85°	5094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	8.8
10°-20°	409.6	22.7
20°-30°	472.8	26.2
30°-40°	308.3	17.1
40°-50°	191.4	10.6
50°-60°	135.9	7.5
60°-70°	82.7	4.6
70°-80°	34.2	1.9
80°-90°	7.0	0.4
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°	1041.5	57.8
0°-40°	1349.8	74.9
0°-60°	1677.2	93.1
0°-90°	1801.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1801.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1739	
5°	1704	159
15°	1466	410
25°	1051	473
35°	478	308
45°	243	191
55°	151	136
65°	83	83
75°	31	34
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1738.8
2.5°	1729.5
5°	1703.6
7.5°	1654.9
10°	1600.1
12.5°	1534.8
15°	1466.5
17.5°	1387.8
20°	1301.8
22.5°	1191.0
25°	1051.2
27.5°	894.8
30°	731.2
32.5°	594.5
35°	478.5
37.5°	392.5
40°	327.3
42.5°	278.6
45°	243.4
47.5°	214.4
50°	191.6
52.5°	170.9
55°	151.2
57.5°	133.6
60°	115.0
62.5°	98.4
65°	82.9
67.5°	68.4
70°	54.9
72.5°	42.5
75°	31.1
77.5°	21.7
80°	14.5
82.5°	9.3
85°	6.2
87.5°	3.1
90°	0.0

(END OF REPORT)