

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: P365495

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1727.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

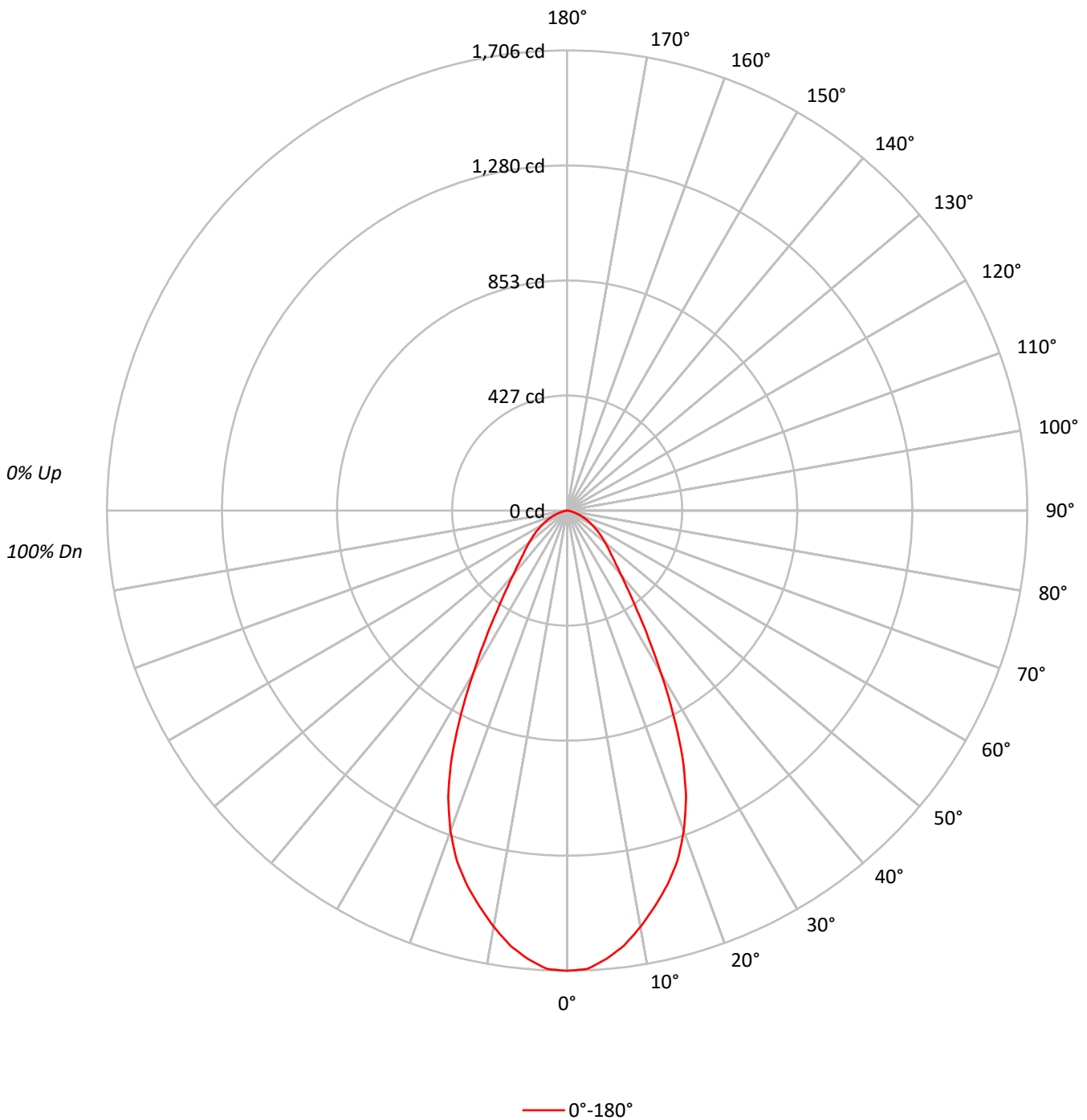
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122160
5°	119938
10°	113902
15°	106462
20°	96344
25°	80007
30°	57412
35°	39404
40°	29004
45°	23442
50°	20374
55°	17914
60°	15480
65°	13181
70°	10363
75°	7276
80°	4577
85°	5011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.1	9.0
10°-20°	400.7	23.2
20°-30°	454.6	26.3
30°-40°	291.3	16.9
40°-50°	182.6	10.6
50°-60°	128.8	7.5
60°-70°	77.4	4.5
70°-80°	29.5	1.7
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°	1011.4	58.6
0°-40°	1302.7	75.4
0°-60°	1614.2	93.5
0°-90°	1727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1727.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1706	
5°	1669	156
15°	1436	401
25°	1013	455
35°	451	291
45°	232	183
55°	144	129
65°	78	77
75°	26	30
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1706.1
2.5°	1701.0
5°	1668.7
7.5°	1625.2
10°	1566.6
12.5°	1502.9
15°	1436.2
17.5°	1360.4
20°	1264.4
22.5°	1152.2
25°	1012.7
27.5°	852.0
30°	694.4
32.5°	560.9
35°	450.8
37.5°	370.9
40°	310.3
42.5°	265.8
45°	231.5
47.5°	206.2
50°	182.9
52.5°	162.7
55°	143.5
57.5°	125.3
60°	108.1
62.5°	93.0
65°	77.8
67.5°	63.7
70°	49.5
72.5°	37.4
75°	26.3
77.5°	18.2
80°	11.1
82.5°	7.1
85°	6.1
87.5°	3.0
90°	0.0

(END OF REPORT)