

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: P365513

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365513
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-FEU6B35-8050-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: 1768.9 lumens
Efficiency: N/A
Efficacy: 65.5 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

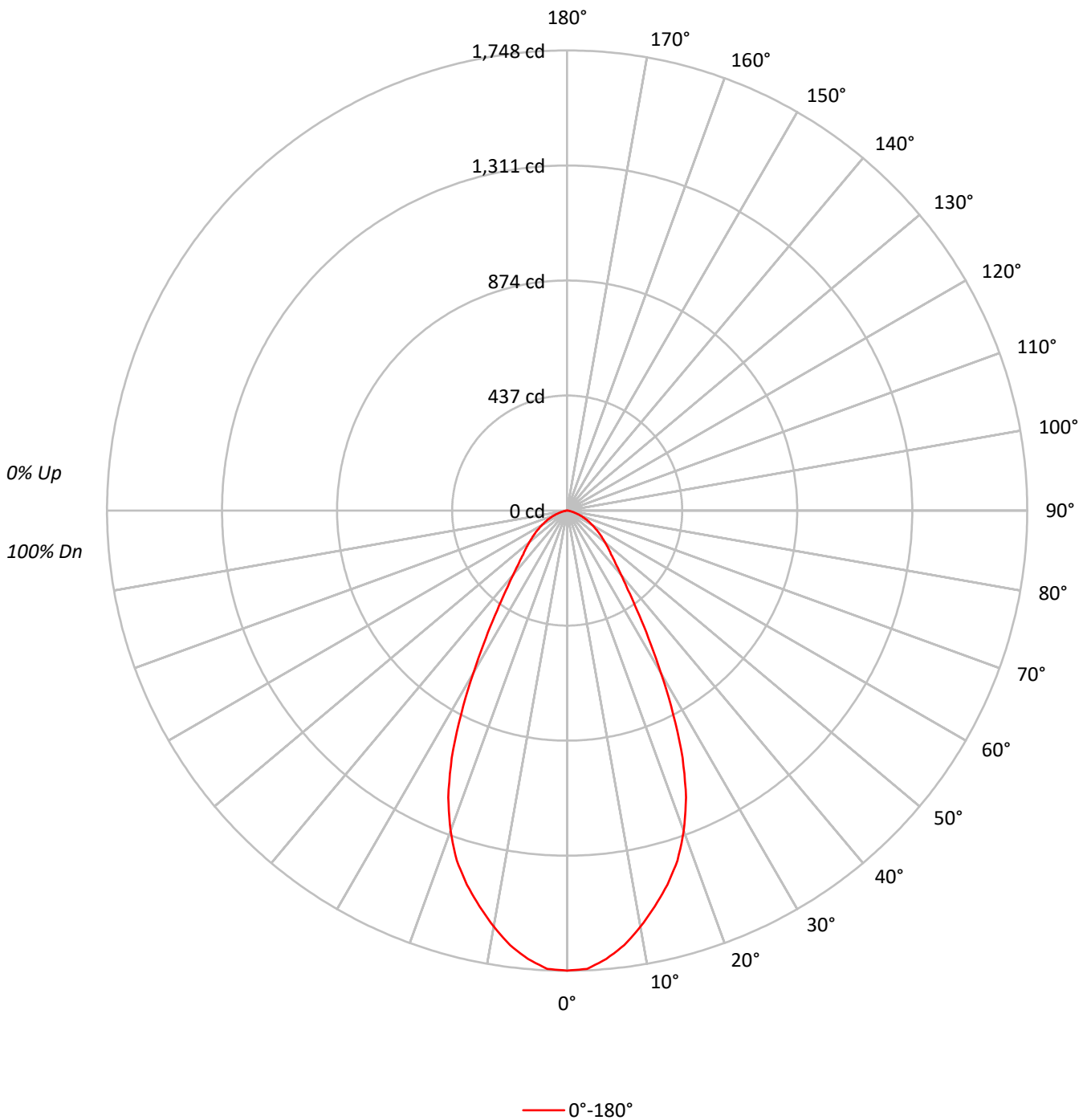
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	125131
5°	122857
10°	116672
15°	109049
20°	98683
25°	81959
30°	58801
35°	40357
40°	29705
45°	24009
50°	20875
55°	18351
60°	15867
65°	13503
70°	10614
75°	7442
80°	4701
85°	5094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	9.0
10°-20°	410.5	23.2
20°-30°	465.6	26.3
30°-40°	298.4	16.9
40°-50°	187.1	10.6
50°-60°	131.9	7.5
60°-70°	79.2	4.5
70°-80°	30.2	1.7
80°-90°	6.0	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°	1036.0	58.6
0°-40°	1334.4	75.4
0°-60°	1653.4	93.5
0°-90°	1768.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1768.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1748	
5°	1709	160
15°	1471	410
25°	1037	466
35°	462	298
45°	237	187
55°	147	132
65°	80	79
75°	27	30
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1747.6
2.5°	1742.4
5°	1709.3
7.5°	1664.7
10°	1604.7
12.5°	1539.5
15°	1471.1
17.5°	1393.5
20°	1295.1
22.5°	1180.2
25°	1037.4
27.5°	872.7
30°	711.2
32.5°	574.6
35°	461.7
37.5°	380.0
40°	317.8
42.5°	272.3
45°	237.1
47.5°	211.2
50°	187.4
52.5°	166.7
55°	147.0
57.5°	128.4
60°	110.8
62.5°	95.2
65°	79.7
67.5°	65.2
70°	50.7
72.5°	38.3
75°	26.9
77.5°	18.6
80°	11.4
82.5°	7.2
85°	6.2
87.5°	3.1
90°	0.0

(END OF REPORT)