

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: P365719

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4524.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

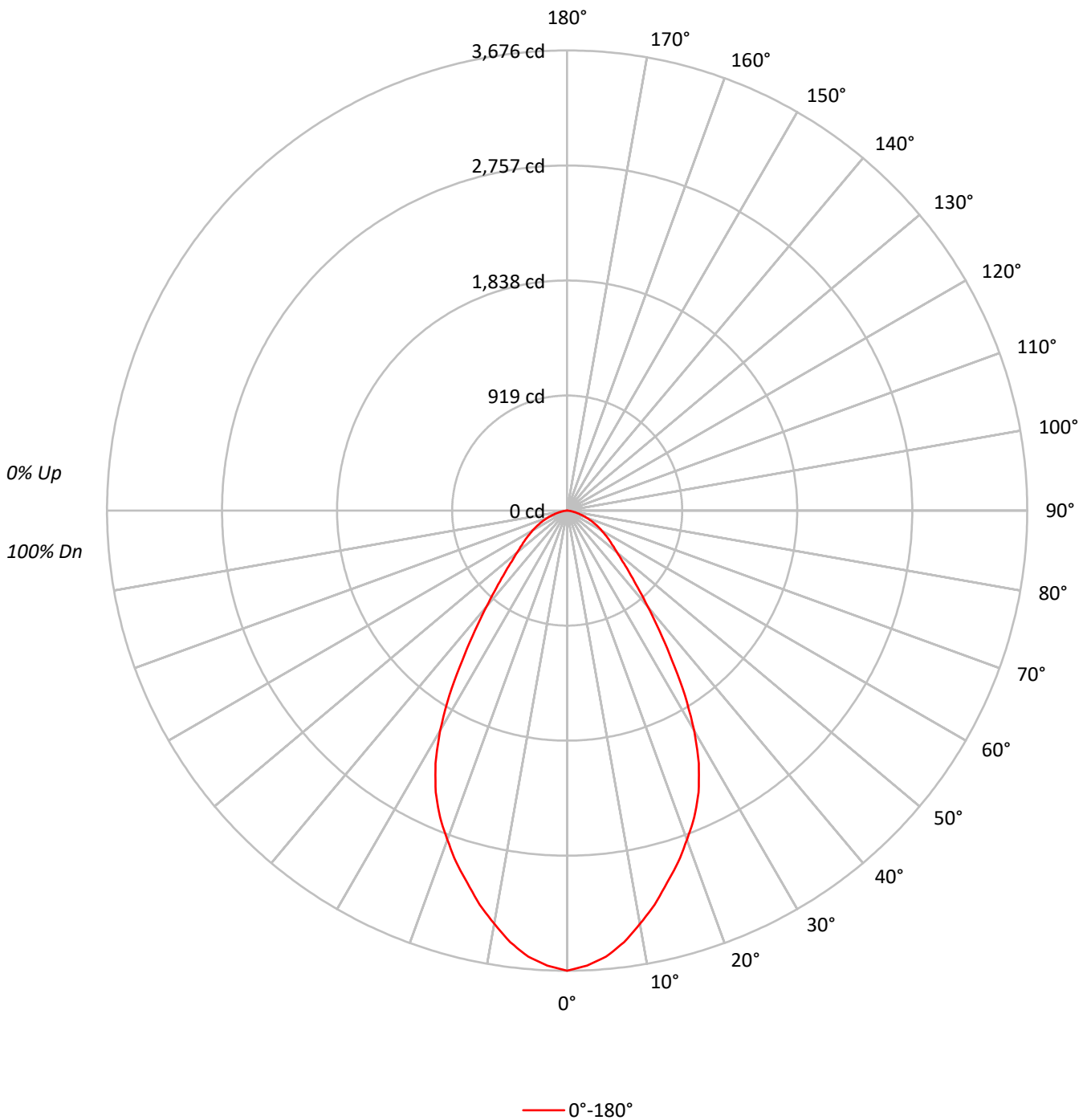
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100405
5°	98053
10°	92982
15°	87065
20°	81313
25°	74859
30°	63984
35°	48668
40°	35668
45°	27149
50°	22144
55°	19492
60°	17345
65°	15228
70°	12914
75°	10111
80°	6906
85°	3134



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.2	7.4
10°-20°	865.4	19.1
20°-30°	1126.8	24.9
30°-40°	919.6	20.3
40°-50°	555.9	12.3
50°-60°	368.2	8.1
60°-70°	234.4	5.2
70°-80°	103.8	2.3
80°-90°	15.7	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°	2326.4	51.4
0°-40°	3246.0	71.8
0°-60°	4170.1	92.2
0°-90°	4524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4524.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3676	
5°	3576	334
15°	3079	865
25°	2484	1127
35°	1460	920
45°	703	556
55°	409	368
65°	236	234
75°	96	104
85°	10	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3675.8
2.5°	3637.9
5°	3576.0
7.5°	3478.1
10°	3352.3
12.5°	3224.6
15°	3078.8
17.5°	2947.0
20°	2797.3
22.5°	2653.5
25°	2483.8
27.5°	2276.2
30°	2028.6
32.5°	1751.0
35°	1459.5
37.5°	1212.0
40°	1000.3
42.5°	832.6
45°	702.8
47.5°	601.0
50°	521.1
52.5°	459.2
55°	409.3
57.5°	361.4
60°	317.5
62.5°	275.5
65°	235.6
67.5°	197.7
70°	161.7
72.5°	127.8
75°	95.8
77.5°	67.9
80°	43.9
82.5°	24.0
85°	10.0
87.5°	2.0
90°	0.0

(END OF REPORT)