

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: P365765

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365765
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: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3519.0 lumens
Efficiency: N/A
Efficacy: 60.6 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

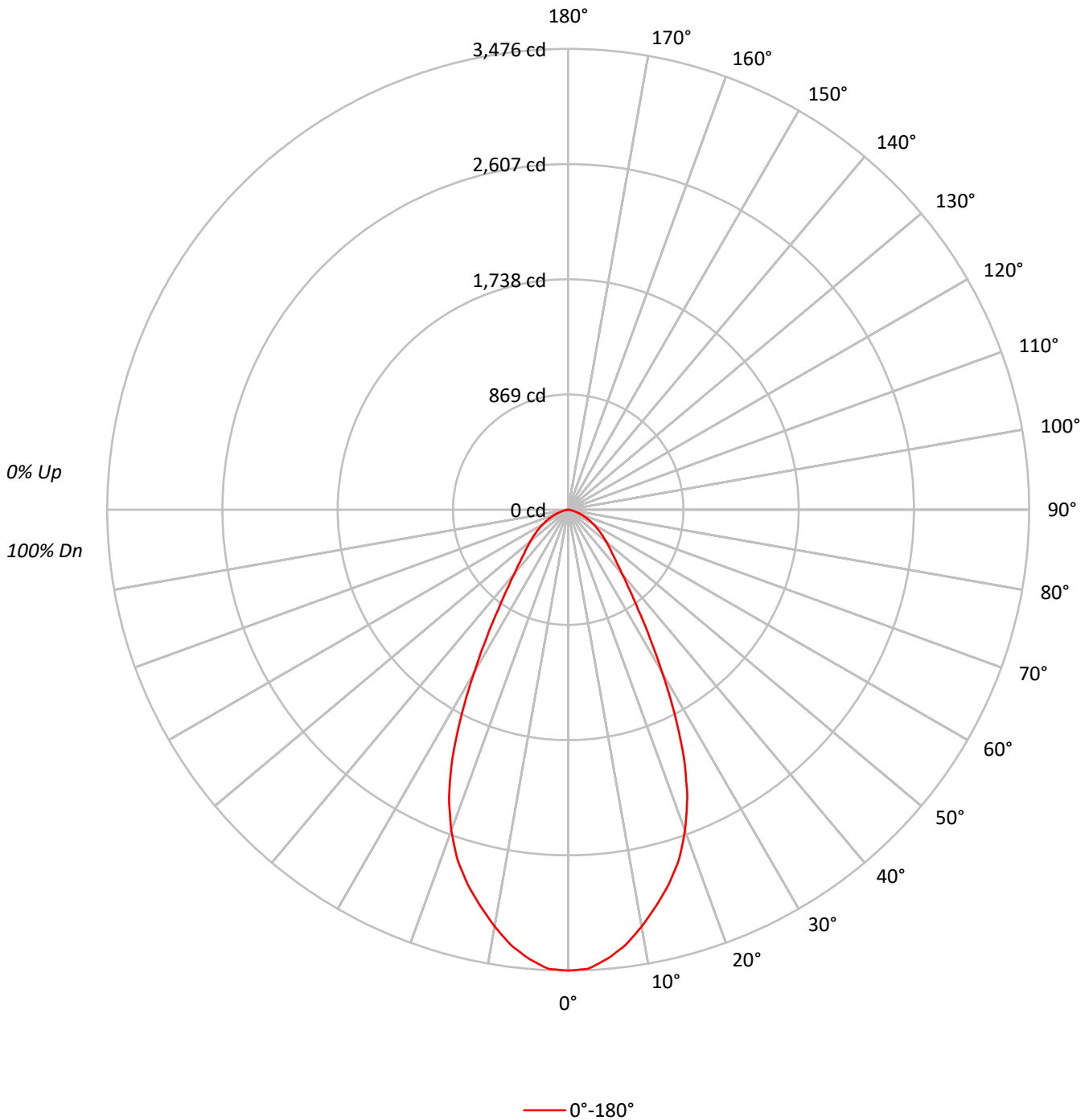
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	248917
5°	244391
10°	232093
15°	216935
20°	196314
25°	163032
30°	116974
35°	80286
40°	59101
45°	47754
50°	41527
55°	36501
60°	31562
65°	26871
70°	21123
75°	14801
80°	9360
85°	10187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.1	9.0
10°-20°	816.6	23.2
20°-30°	926.2	26.3
30°-40°	593.7	16.9
40°-50°	372.1	10.6
50°-60°	262.5	7.5
60°-70°	157.7	4.5
70°-80°	60.2	1.7
80°-90°	12.1	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°	2060.9	58.6
0°-40°	2654.5	75.4
0°-60°	3289.1	93.5
0°-90°	3519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3519.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3476	
5°	3400	318
15°	2926	817
25°	2064	926
35°	918	594
45°	472	372
55°	292	262
65°	159	158
75°	54	60
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3476.4
2.5°	3466.1
5°	3400.2
7.5°	3311.6
10°	3192.2
12.5°	3062.4
15°	2926.5
17.5°	2772.0
20°	2576.4
22.5°	2347.8
25°	2063.6
27.5°	1736.1
30°	1414.8
32.5°	1143.0
35°	918.5
37.5°	755.8
40°	632.3
42.5°	541.6
45°	471.6
47.5°	420.1
50°	372.8
52.5°	331.6
55°	292.4
57.5°	255.4
60°	220.4
62.5°	189.5
65°	158.6
67.5°	129.7
70°	100.9
72.5°	76.2
75°	53.5
77.5°	37.1
80°	22.7
82.5°	14.4
85°	12.4
87.5°	6.2
90°	0.0

(END OF REPORT)