

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: P365781

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3748.1 lumens
Efficiency: N/A
Efficacy: 64.5 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

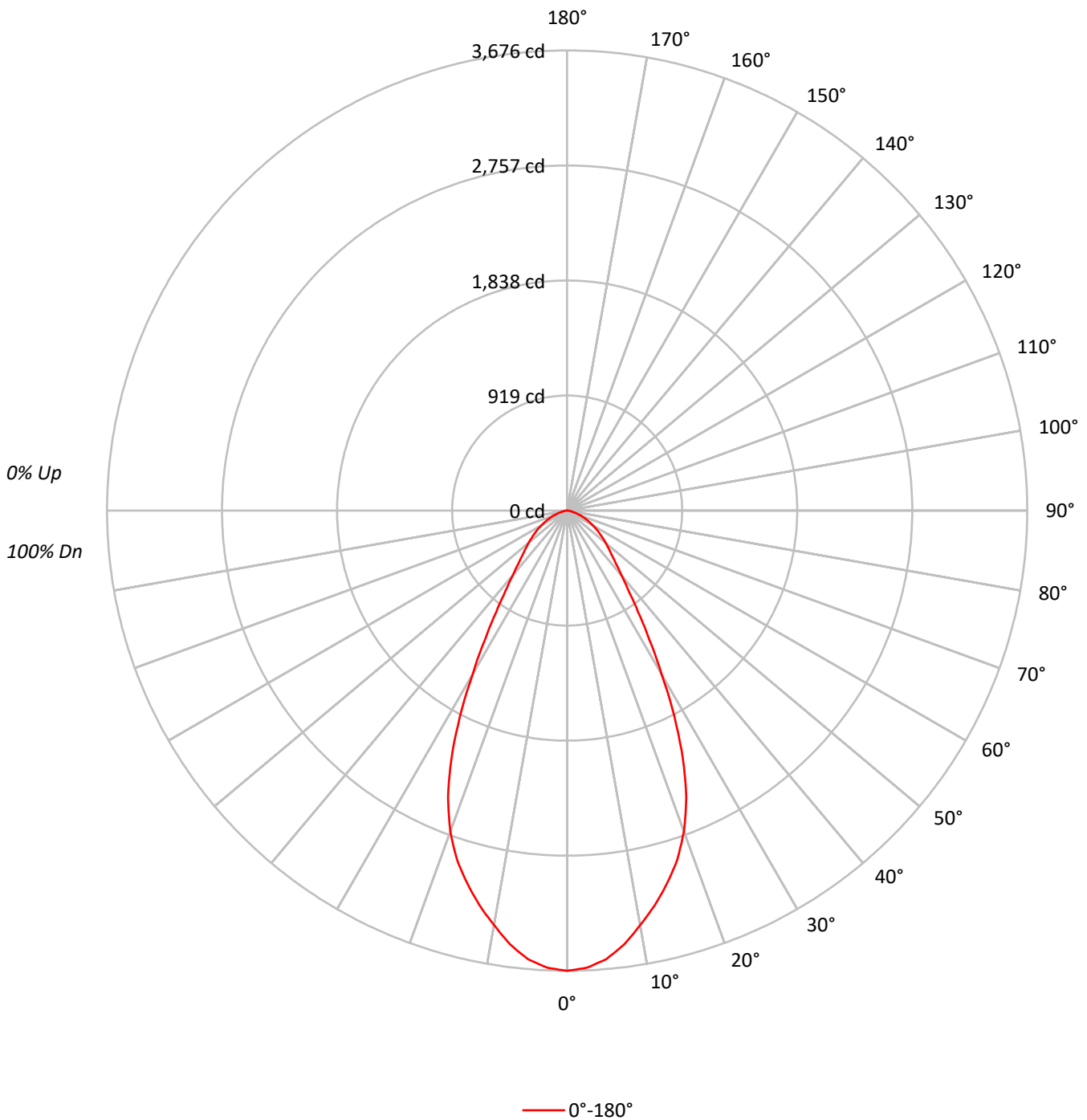
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	100	98		99	97	95		95	94	93	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	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	263244
5°	258493
10°	244454
15°	228595
20°	207812
25°	172979
30°	124870
35°	86291
40°	63092
45°	51258
50°	44646
55°	39235
60°	34140
65°	28955
70°	23405
75°	16350
80°	10432
85°	12159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.7	9.0
10°-20°	861.6	23.0
20°-30°	984.1	26.3
30°-40°	634.8	16.9
40°-50°	398.6	10.6
50°-60°	282.7	7.5
60°-70°	170.4	4.5
70°-80°	65.8	1.8
80°-90°	14.4	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°	2181.5	58.2
0°-40°	2816.2	75.1
0°-60°	3497.6	93.3
0°-90°	3748.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3748.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3676	
5°	3596	336
15°	3084	862
25°	2190	984
35°	987	635
45°	506	399
55°	314	283
65°	171	170
75°	59	66
85°	15	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3676.5
2.5°	3655.4
5°	3596.4
7.5°	3495.1
10°	3362.2
12.5°	3231.4
15°	3083.8
17.5°	2925.6
20°	2727.3
22.5°	2486.9
25°	2189.5
27.5°	1854.1
30°	1510.3
32.5°	1221.3
35°	987.2
37.5°	805.8
40°	675.0
42.5°	580.1
45°	506.2
47.5°	449.3
50°	400.8
52.5°	356.5
55°	314.3
57.5°	276.3
60°	238.4
62.5°	204.6
65°	170.9
67.5°	139.2
70°	111.8
72.5°	82.3
75°	59.1
77.5°	40.1
80°	25.3
82.5°	16.9
85°	14.8
87.5°	8.4
90°	0.0

(END OF REPORT)