

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: P366500

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4531.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

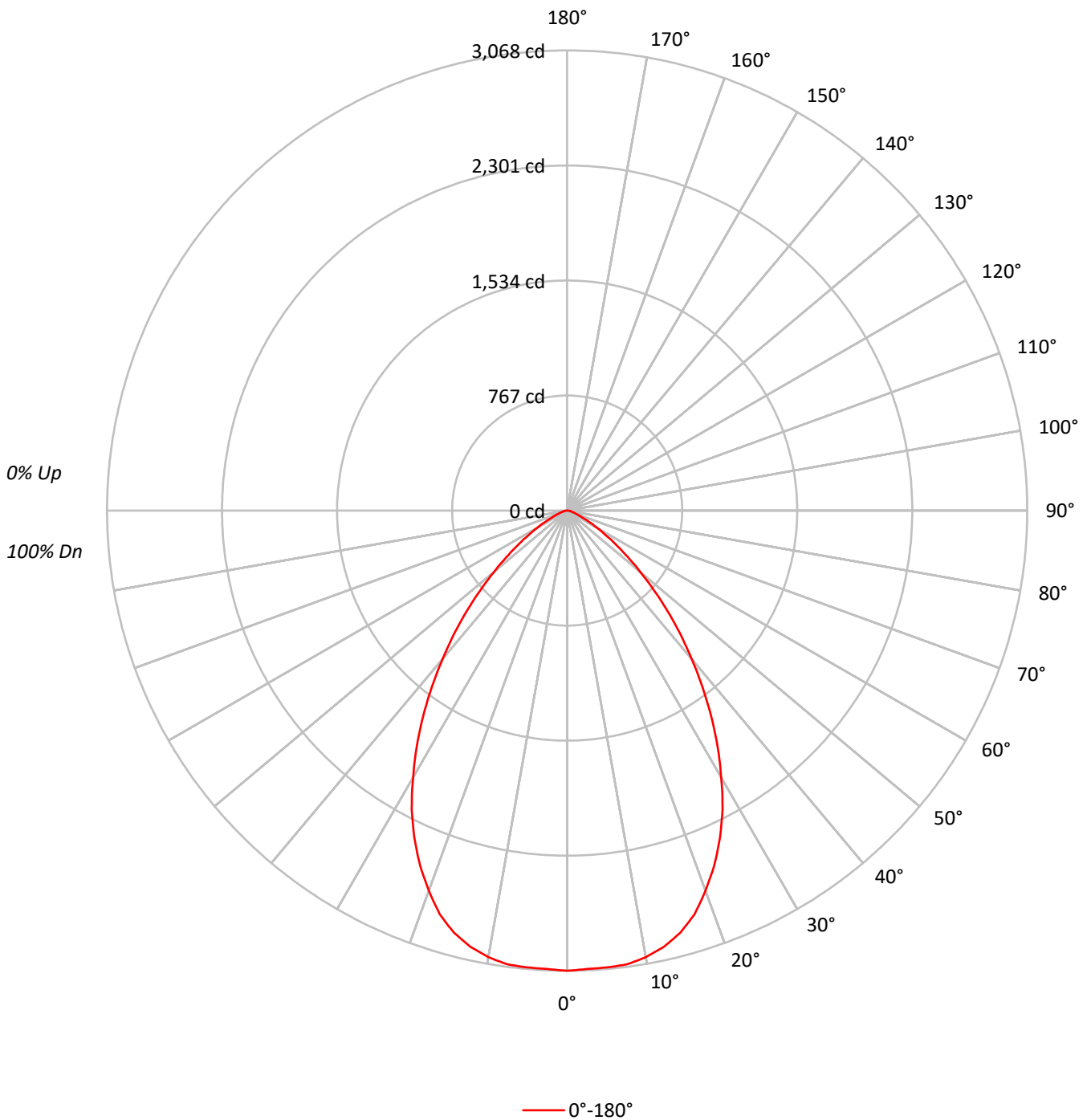
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219660
5°	219745
10°	219828
15°	215993
20°	205465
25°	190360
30°	169913
35°	146254
40°	120697
45°	95499
50°	70979
55°	50046
60°	33238
65°	20382
70°	13252
75°	9932
80°	8700
85°	10434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	6.4
10°-20°	815.7	18.0
20°-30°	1101.3	24.3
30°-40°	1042.0	23.0
40°-50°	730.4	16.1
50°-60°	367.6	8.1
60°-70°	129.8	2.9
70°-80°	40.6	0.9
80°-90°	12.6	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°	2208.0	48.7
0°-40°	3250.0	71.7
0°-60°	4348.0	96.0
0°-90°	4531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4531.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3068	
5°	3057	291
15°	2914	816
25°	2410	1101
35°	1673	1042
45°	943	730
55°	401	368
65°	120	130
75°	36	41
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3067.8
2.5°	3059.4
5°	3057.3
7.5°	3051.0
10°	3023.5
12.5°	2979.2
15°	2913.8
17.5°	2823.1
20°	2696.5
22.5°	2561.5
25°	2409.5
27.5°	2245.0
30°	2055.1
32.5°	1867.3
35°	1673.2
37.5°	1481.2
40°	1291.3
42.5°	1116.2
45°	943.1
47.5°	784.9
50°	637.2
52.5°	510.6
55°	400.9
57.5°	308.1
60°	232.1
62.5°	170.9
65°	120.3
67.5°	88.6
70°	63.3
72.5°	48.5
75°	35.9
77.5°	27.4
80°	21.1
82.5°	16.9
85°	12.7
87.5°	6.3
90°	0.0

(END OF REPORT)