

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: P366504

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
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-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4599.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

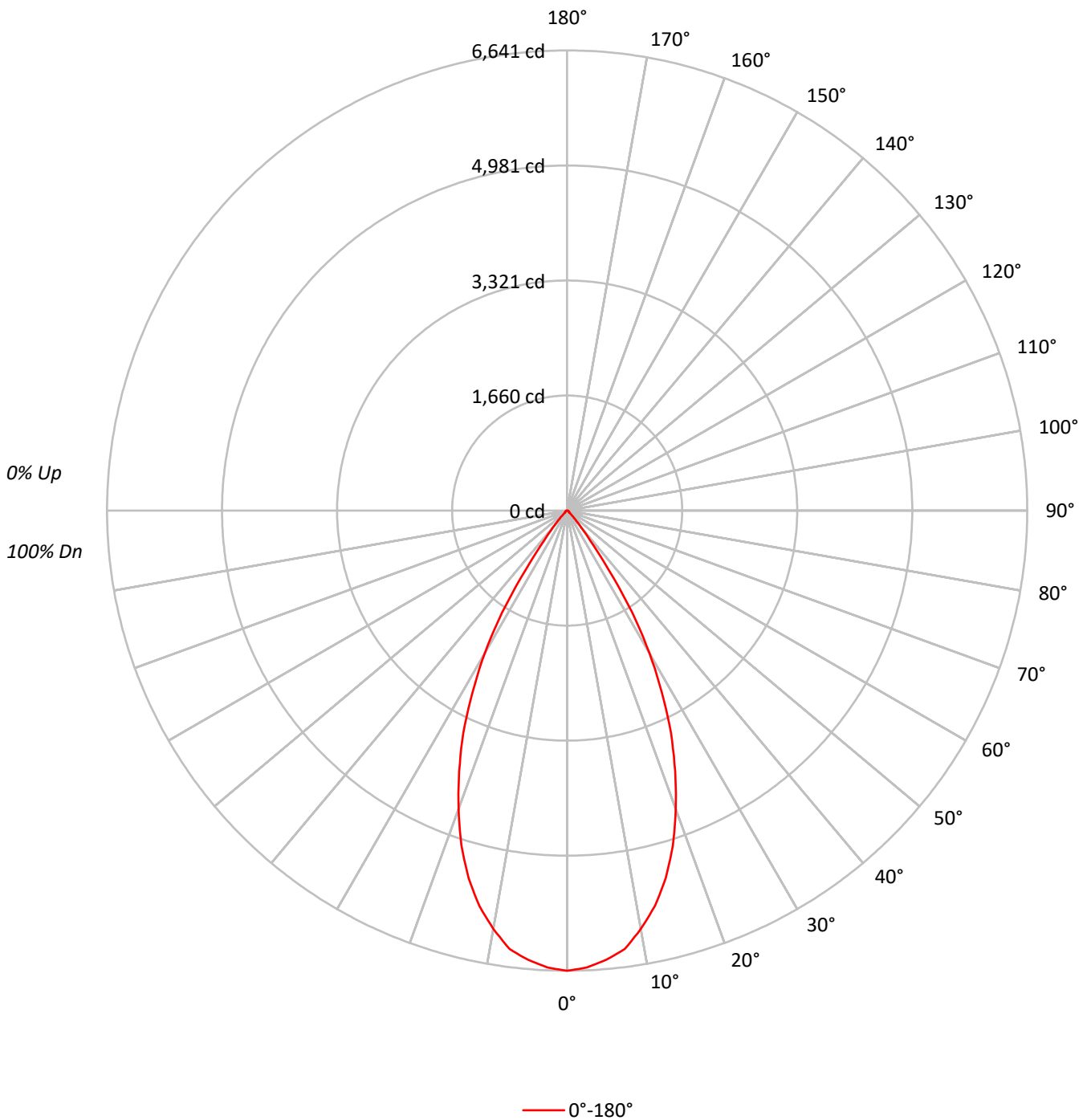
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	475486
5°	467657
10°	445603
15°	407183
20°	349188
25°	280179
30°	196445
35°	90758
40°	29134
45°	9407
50°	4367
55°	3870
60°	3838
65°	3490
70°	3454
75°	3984
80°	5113
85°	8462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.2	13.3
10°-20°	1520.0	33.1
20°-30°	1596.4	34.7
30°-40°	708.4	15.4
40°-50°	91.5	2.0
50°-60°	28.6	0.6
60°-70°	20.1	0.4
70°-80°	14.7	0.3
80°-90°	9.0	0.2
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°	3726.6	81.0
0°-40°	4435.0	96.4
0°-60°	4555.1	99.0
0°-90°	4599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4599.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6641	
5°	6506	610
15°	5493	1520
25°	3546	1596
35°	1038	708
45°	93	92
55°	31	29
65°	21	20
75°	14	15
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6640.7
2.5°	6599.4
5°	6506.5
7.5°	6380.6
10°	6128.8
12.5°	5846.0
15°	5493.0
17.5°	5069.8
20°	4582.7
22.5°	4070.7
25°	3546.4
27.5°	2958.1
30°	2376.0
32.5°	1746.4
35°	1038.3
37.5°	553.2
40°	311.7
42.5°	171.3
45°	92.9
47.5°	47.5
50°	39.2
52.5°	35.1
55°	31.0
57.5°	28.9
60°	26.8
62.5°	22.7
65°	20.6
67.5°	16.5
70°	16.5
72.5°	14.4
75°	14.4
77.5°	12.4
80°	12.4
82.5°	10.3
85°	10.3
87.5°	6.2
90°	0.0

(END OF REPORT)