

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: P366491

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5527.9 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

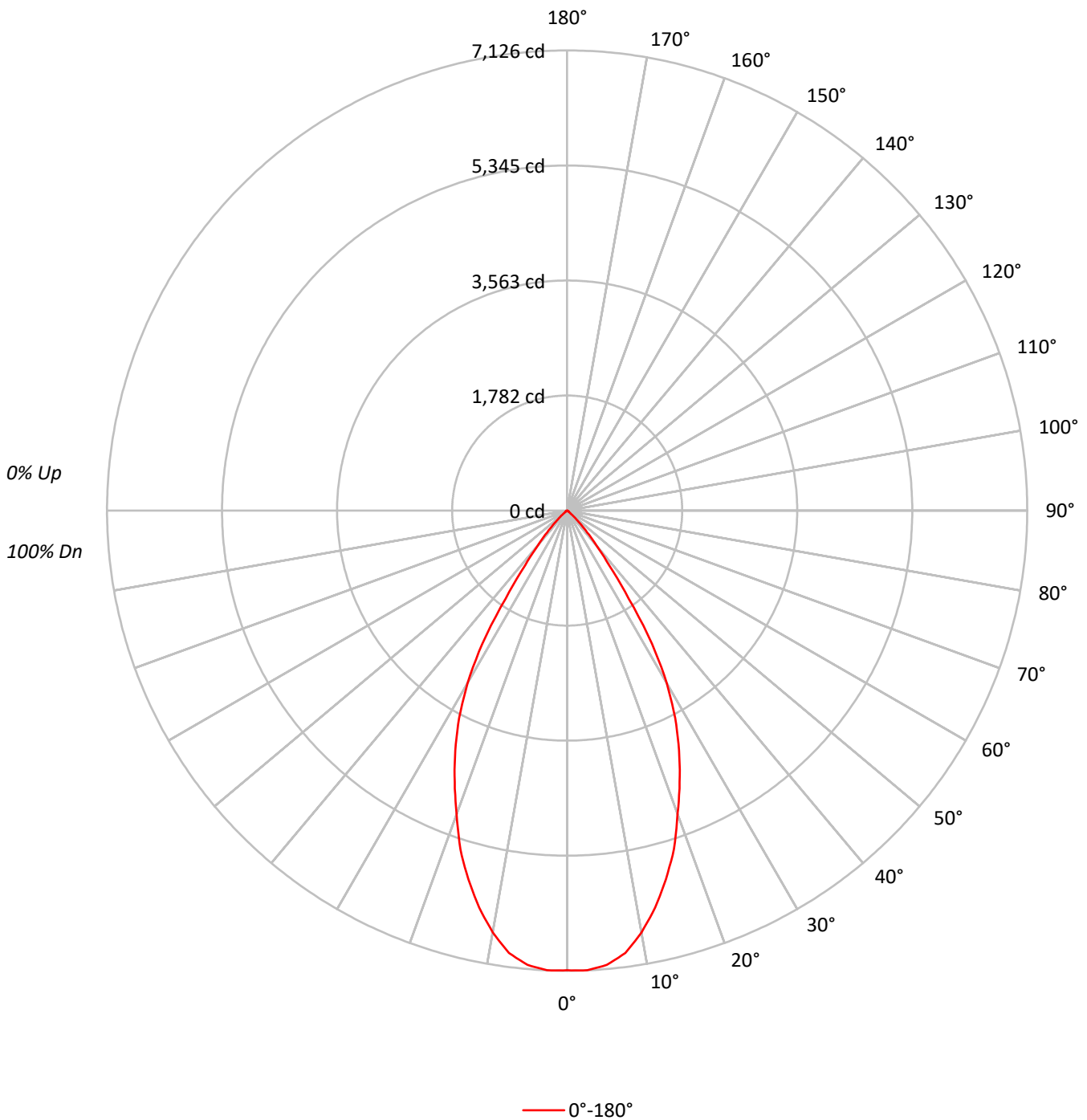
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194471
5°	193654
10°	183961
15°	167100
20°	145405
25°	123621
30°	97244
35°	55484
40°	24964
45°	10507
50°	3315
55°	1005
60°	694
65°	543
70°	503
75°	665
80°	330
85°	658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.6	12.0
10°-20°	1643.7	29.7
20°-30°	1862.6	33.7
30°-40°	1079.8	19.5
40°-50°	239.4	4.3
50°-60°	26.3	0.5
60°-70°	8.6	0.2
70°-80°	5.5	0.1
80°-90°	1.4	0.0
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°	4166.9	75.4
0°-40°	5246.7	94.9
0°-60°	5512.4	99.7
0°-90°	5527.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5527.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7120	
5°	7063	661
15°	5909	1644
25°	4102	1863
35°	1664	1080
45°	272	239
55°	21	26
65°	8	9
75°	6	6
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7119.5
2.5°	7125.8
5°	7062.6
7.5°	6908.6
10°	6632.4
12.5°	6297.0
15°	5909.0
17.5°	5499.9
20°	5002.2
22.5°	4553.0
25°	4101.7
27.5°	3620.9
30°	3083.1
32.5°	2448.4
35°	1663.9
37.5°	1069.2
40°	700.1
42.5°	457.6
45°	272.0
47.5°	151.8
50°	78.0
52.5°	35.9
55°	21.1
57.5°	16.9
60°	12.7
62.5°	10.5
65°	8.4
67.5°	6.3
70°	6.3
72.5°	6.3
75°	6.3
77.5°	4.2
80°	2.1
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)