

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: P364984

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5327.9 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

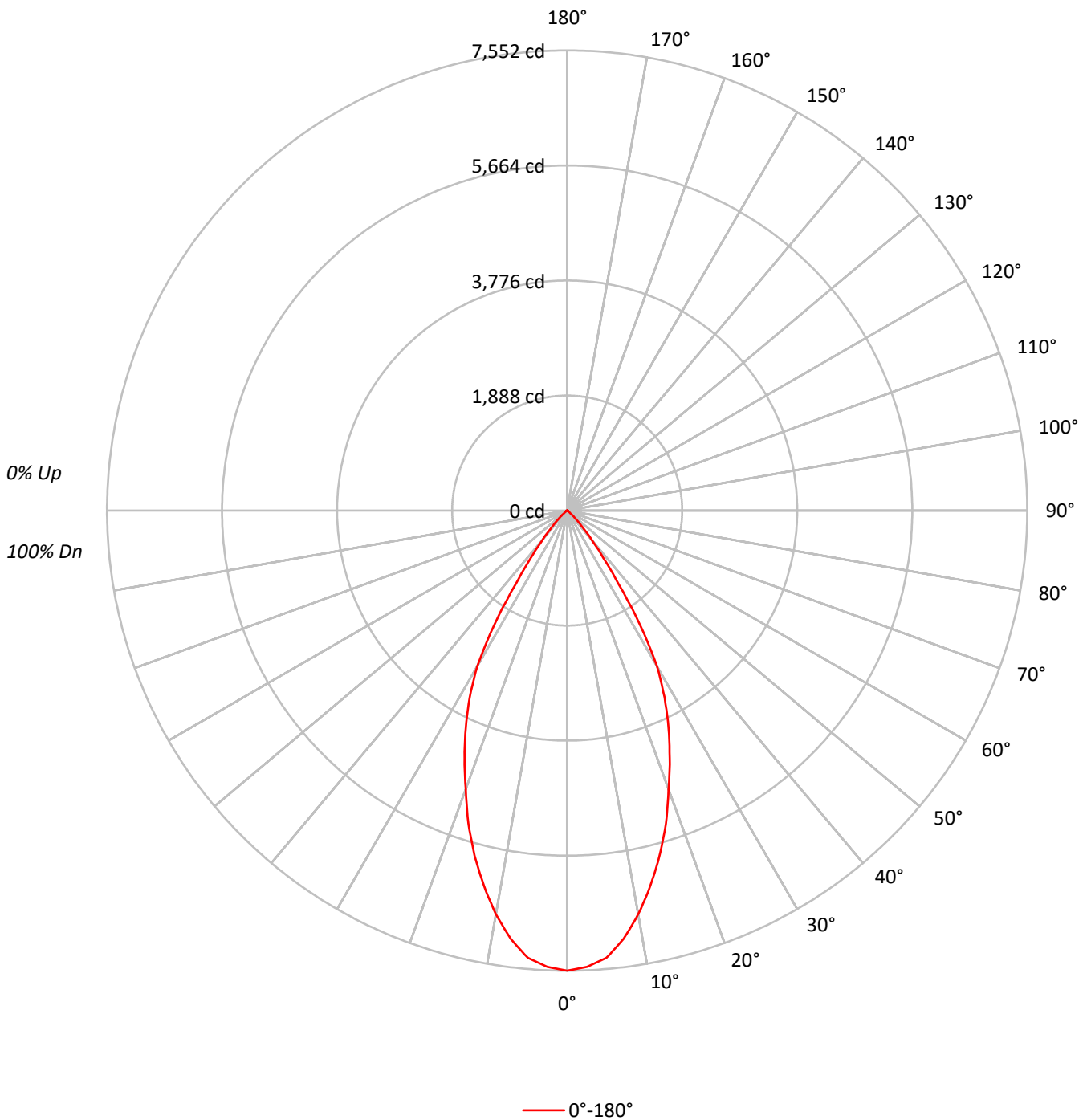
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	81	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	73	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	206282
5°	202093
10°	186568
15°	165844
20°	141534
25°	118585
30°	92939
35°	49002
40°	22896
45°	9005
50°	2354
55°	638
60°	415
65°	368
70°	303
75°	401
80°	299
85°	595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.1	12.8
10°-20°	1628.6	30.6
20°-30°	1791.4	33.6
30°-40°	988.9	18.6
40°-50°	208.6	3.9
50°-60°	17.0	0.3
60°-70°	5.2	0.1
70°-80°	4.3	0.1
80°-90°	1.8	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°	4102.2	77.0
0°-40°	5091.1	95.6
0°-60°	5316.7	99.8
0°-90°	5327.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5327.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7552	
5°	7370	682
15°	5865	1629
25°	3935	1791
35°	1470	989
45°	233	209
55°	13	17
65°	6	5
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7551.9
2.5°	7494.6
5°	7370.4
7.5°	7089.5
10°	6726.4
12.5°	6309.8
15°	5864.6
17.5°	5386.8
20°	4869.0
22.5°	4398.9
25°	3934.6
27.5°	3462.6
30°	2946.6
32.5°	2243.4
35°	1469.5
37.5°	976.5
40°	642.1
42.5°	405.1
45°	233.1
47.5°	122.3
50°	55.4
52.5°	22.9
55°	13.4
57.5°	9.6
60°	7.6
62.5°	5.7
65°	5.7
67.5°	3.8
70°	3.8
72.5°	5.7
75°	3.8
77.5°	3.8
80°	1.9
82.5°	1.9
85°	1.9
87.5°	1.9
90°	0.0

(END OF REPORT)