

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: P365774

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
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-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4583.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

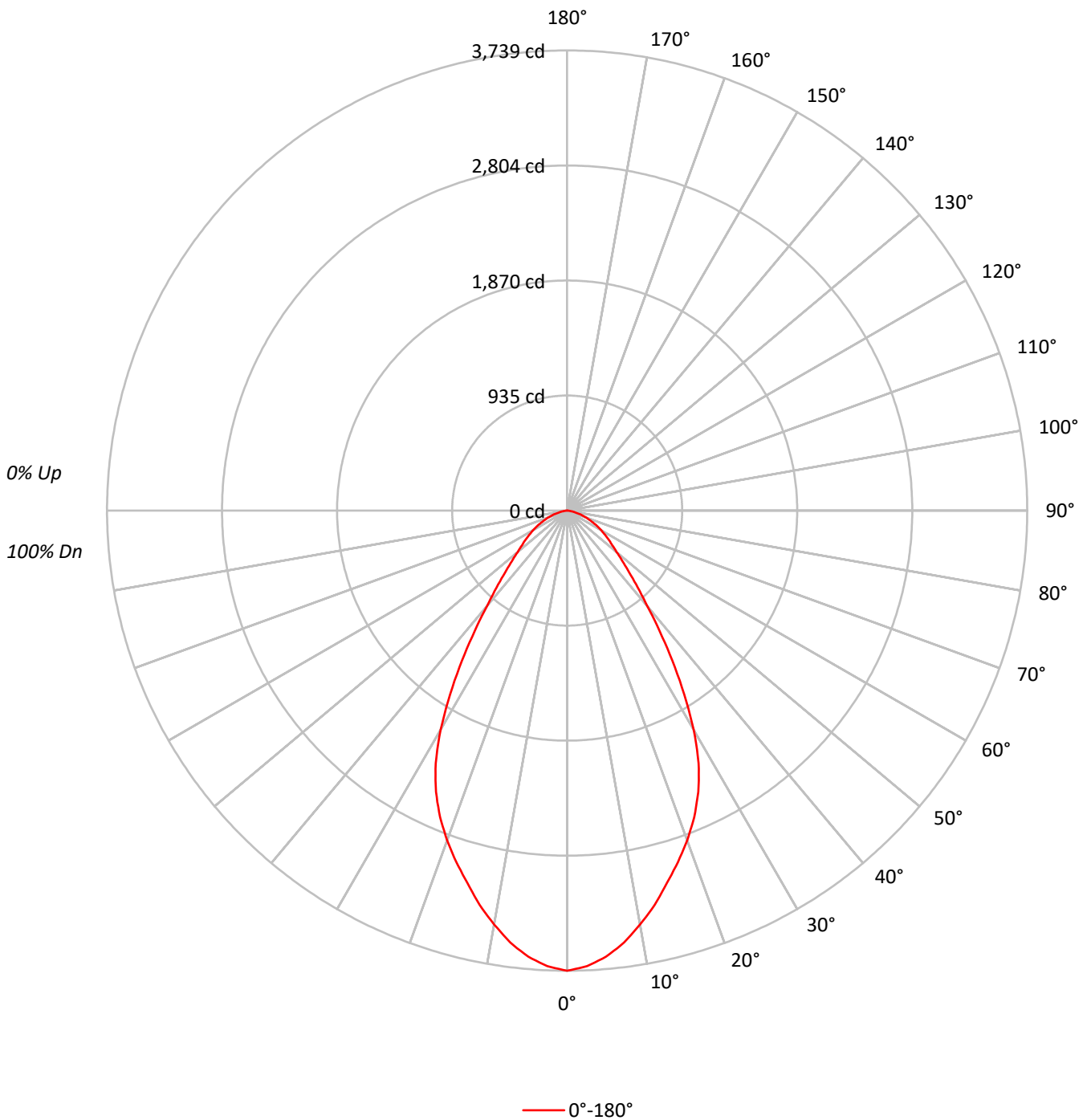
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	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	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102129
5°	99742
10°	94696
15°	88555
20°	82877
25°	76014
30°	64851
35°	49645
40°	36093
45°	27535
50°	22314
55°	19582
60°	17394
65°	15131
70°	12802
75°	10016
80°	6638
85°	2633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.2	7.4
10°-20°	880.6	19.2
20°-30°	1144.9	25.0
30°-40°	933.1	20.4
40°-50°	563.4	12.3
50°-60°	370.0	8.1
60°-70°	233.7	5.1
70°-80°	102.2	2.2
80°-90°	14.9	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°	2365.8	51.6
0°-40°	3298.8	72.0
0°-60°	4232.2	92.3
0°-90°	4583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4583.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3739	
5°	3638	340
15°	3132	881
25°	2522	1145
35°	1489	933
45°	713	563
55°	411	370
65°	234	234
75°	95	102
85°	8	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3738.9
2.5°	3705.1
5°	3637.6
7.5°	3540.6
10°	3414.1
12.5°	3283.4
15°	3131.5
17.5°	2994.5
20°	2851.1
22.5°	2697.1
25°	2522.1
27.5°	2313.3
30°	2056.1
32.5°	1769.3
35°	1488.8
37.5°	1231.5
40°	1012.2
42.5°	847.7
45°	712.8
47.5°	607.3
50°	525.1
52.5°	461.8
55°	411.2
57.5°	362.7
60°	318.4
62.5°	276.2
65°	234.1
67.5°	196.1
70°	160.3
72.5°	126.5
75°	94.9
77.5°	65.4
80°	42.2
82.5°	23.2
85°	8.4
87.5°	2.1
90°	0.0

(END OF REPORT)