

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: P366451

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4294.9 lumens
Efficiency: N/A
Efficacy: 73.9 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

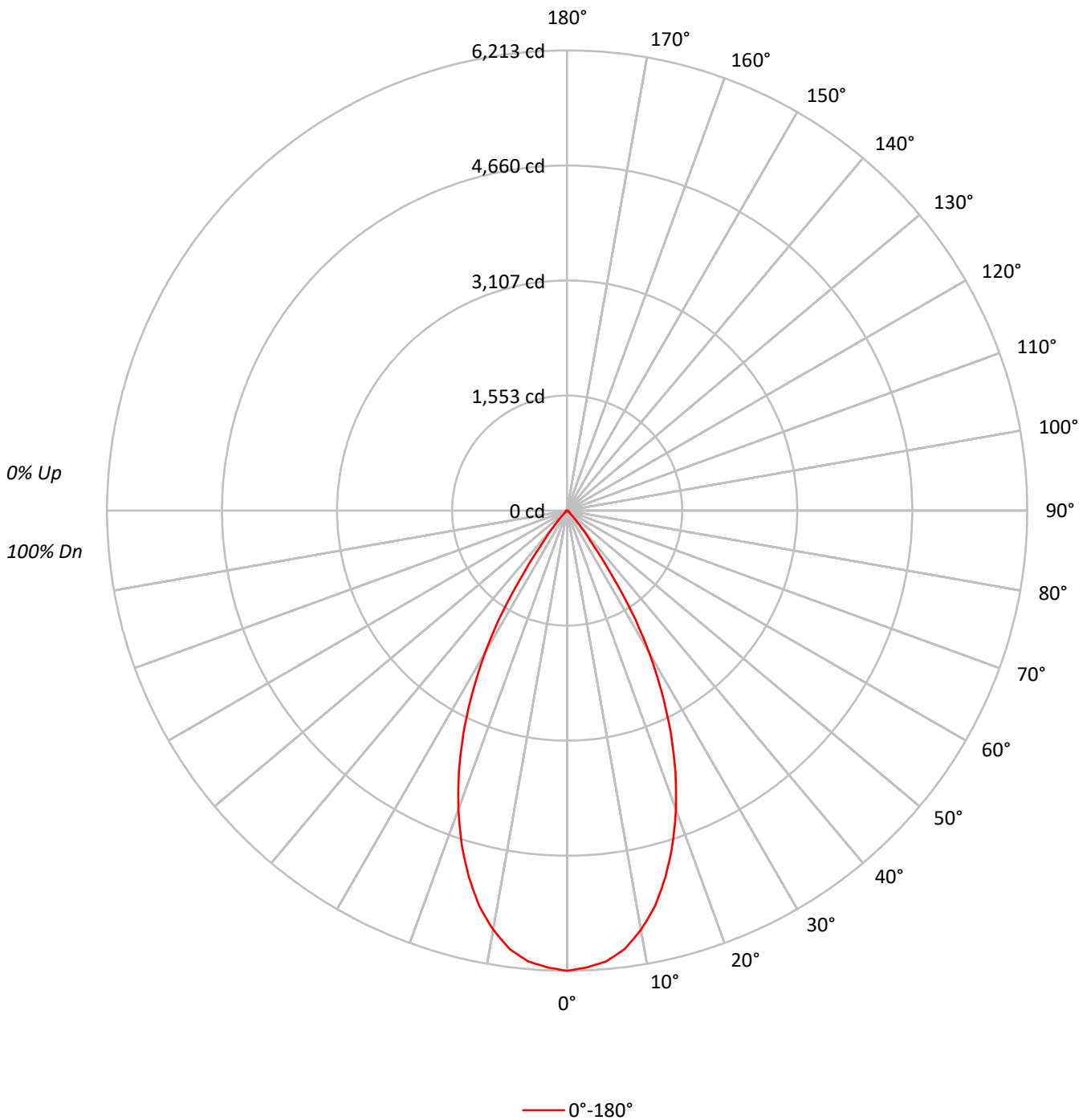
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	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	74	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	65	61	78	70	64	61	69	64	61	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°	444891
5°	438885
10°	417771
15°	379778
20°	327030
25°	261424
30°	183307
35°	85268
40°	26938
45°	8415
50°	3709
55°	3458
60°	3179
65°	2812
70°	3098
75°	3569
80°	4577
85°	7558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.6	13.3
10°-20°	1420.6	33.1
20°-30°	1493.5	34.8
30°-40°	662.6	15.4
40°-50°	82.9	1.9
50°-60°	24.8	0.6
60°-70°	17.4	0.4
70°-80°	13.7	0.3
80°-90°	8.0	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°	3485.7	81.2
0°-40°	4148.2	96.6
0°-60°	4255.9	99.1
0°-90°	4294.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4294.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6213	
5°	6106	572
15°	5123	1421
25°	3309	1493
35°	976	663
45°	83	83
55°	28	25
65°	17	17
75°	13	14
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6213.4
2.5°	6172.8
5°	6106.2
7.5°	5969.5
10°	5746.0
12.5°	5472.5
15°	5123.3
17.5°	4729.8
20°	4291.9
22.5°	3817.1
25°	3309.0
27.5°	2769.5
30°	2217.1
32.5°	1631.4
35°	975.5
37.5°	519.2
40°	288.2
42.5°	157.0
45°	83.1
47.5°	40.6
50°	33.3
52.5°	29.6
55°	27.7
57.5°	25.9
60°	22.2
62.5°	20.3
65°	16.6
67.5°	14.8
70°	14.8
72.5°	12.9
75°	12.9
77.5°	12.9
80°	11.1
82.5°	9.2
85°	9.2
87.5°	5.5
90°	0.0

(END OF REPORT)