

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: P365049

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4759.1 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

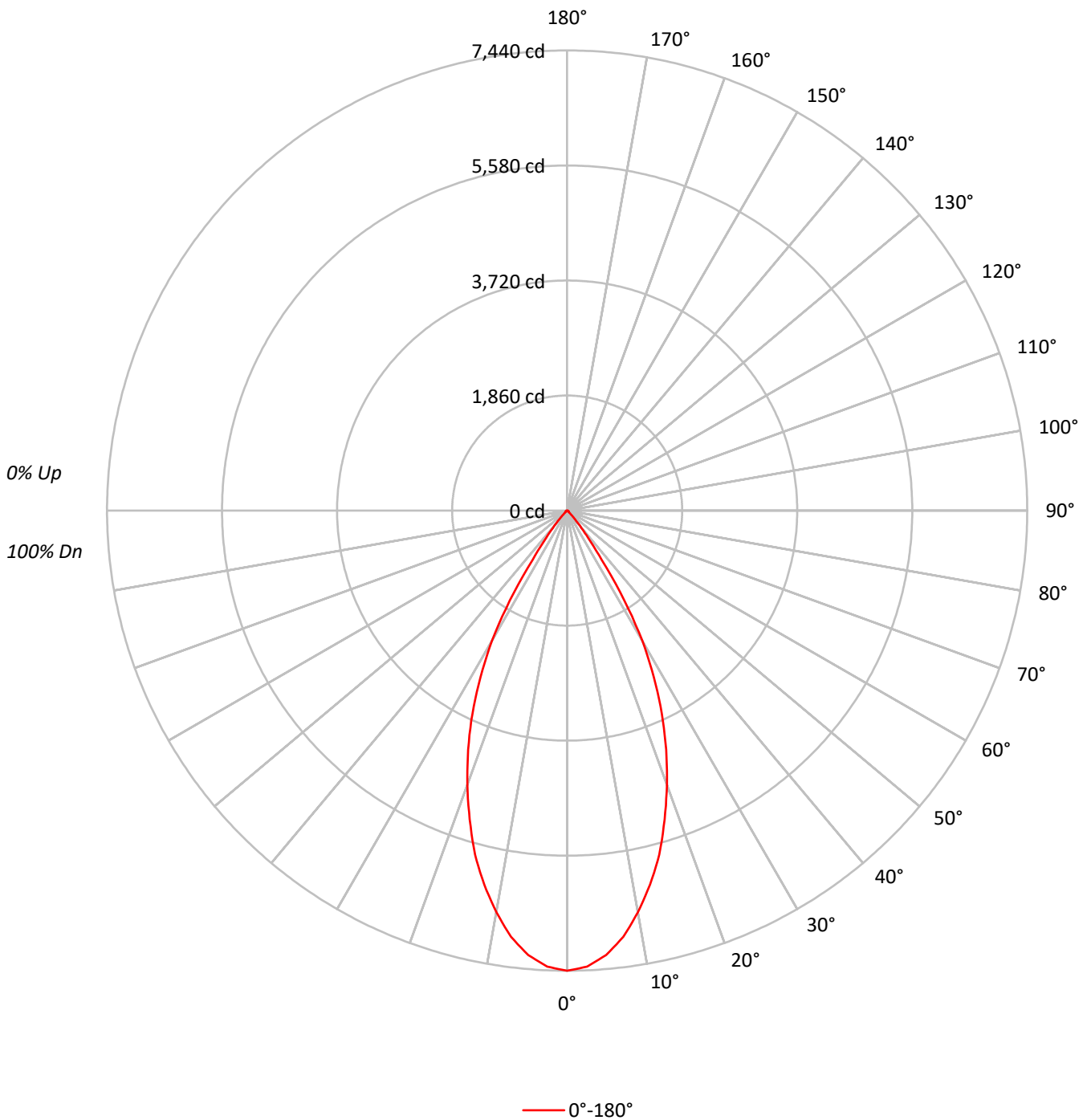
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	532682
5°	518581
10°	479346
15°	426731
20°	359391
25°	286389
30°	200603
35°	84980
40°	29649
45°	8131
50°	4133
55°	3857
60°	3838
65°	3490
70°	3454
75°	4565
80°	5938
85°	8462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.9	14.1
10°-20°	1591.5	33.4
20°-30°	1637.1	34.4
30°-40°	699.2	14.7
40°-50°	87.3	1.8
50°-60°	27.9	0.6
60°-70°	20.6	0.4
70°-80°	16.6	0.3
80°-90°	9.8	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°	3897.6	81.9
0°-40°	4596.8	96.6
0°-60°	4712.0	99.0
0°-90°	4759.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4759.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7440	
5°	7215	669
15°	5757	1591
25°	3625	1637
35°	972	699
45°	80	87
55°	31	28
65°	21	21
75°	16	17
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7439.5
2.5°	7379.7
5°	7215.0
7.5°	6951.3
10°	6592.9
12.5°	6193.4
15°	5756.7
17.5°	5237.7
20°	4716.6
22.5°	4181.1
25°	3625.0
27.5°	3038.0
30°	2426.3
32.5°	1723.9
35°	972.2
37.5°	556.1
40°	317.2
42.5°	164.8
45°	80.3
47.5°	43.3
50°	37.1
52.5°	33.0
55°	30.9
57.5°	28.8
60°	26.8
62.5°	22.7
65°	20.6
67.5°	18.5
70°	16.5
72.5°	16.5
75°	16.5
77.5°	14.4
80°	14.4
82.5°	12.4
85°	10.3
87.5°	6.2
90°	0.0

(END OF REPORT)