

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: P365769

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
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-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3663.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

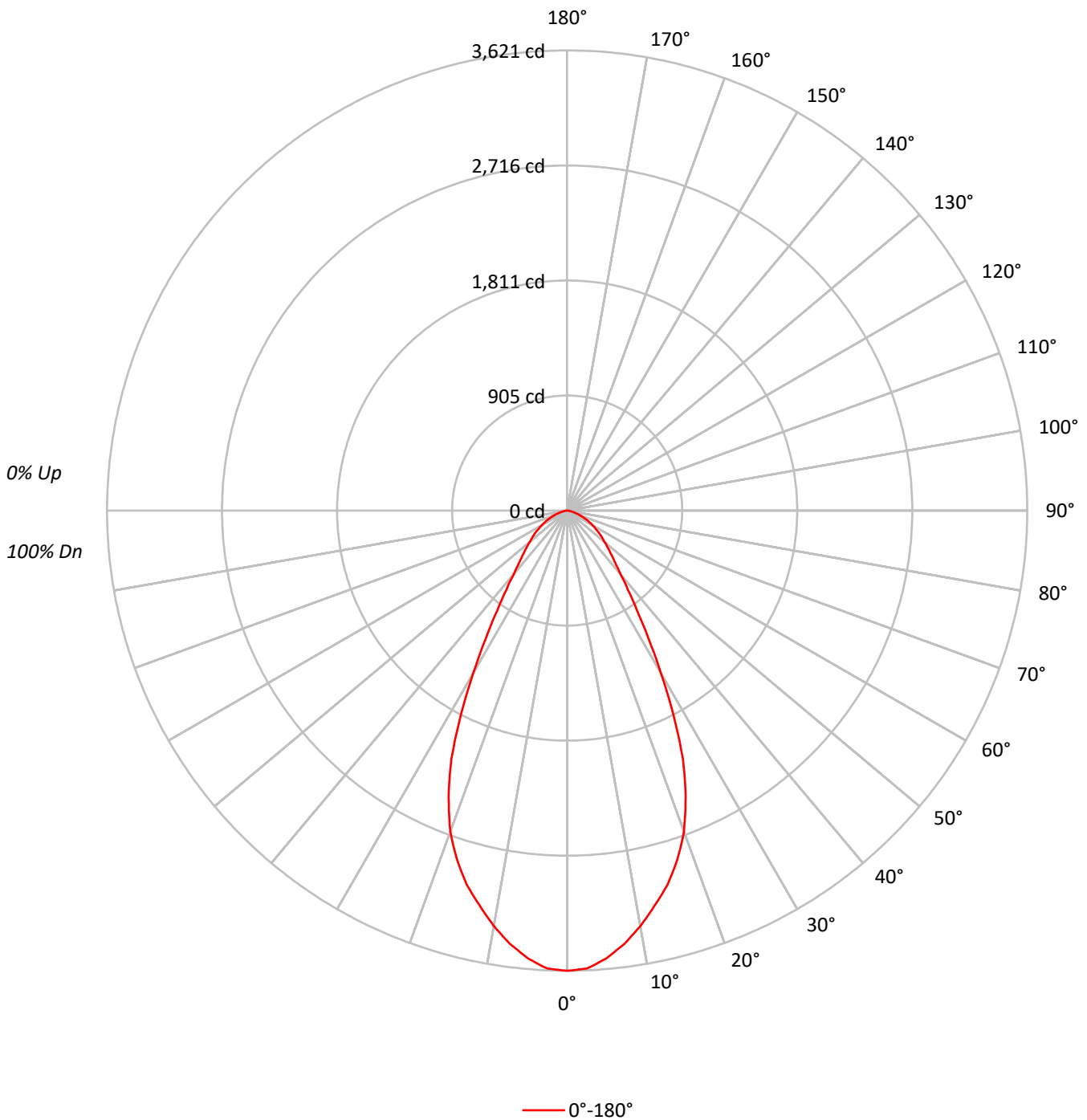
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	259270
5°	254194
10°	241414
15°	225993
20°	204848
25°	170111
30°	122034
35°	83669
40°	61381
45°	49820
50°	42875
55°	38037
60°	33023
65°	27904
70°	21982
75°	15935
80°	10185
85°	11830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.7	9.0
10°-20°	849.8	23.2
20°-30°	964.9	26.3
30°-40°	617.6	16.9
40°-50°	385.8	10.5
50°-60°	273.2	7.5
60°-70°	163.5	4.5
70°-80°	63.6	1.7
80°-90°	14.0	0.4
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°	2145.4	58.6
0°-40°	2762.9	75.4
0°-60°	3421.9	93.4
0°-90°	3663.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3663.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3621	
5°	3537	331
15°	3049	850
25°	2153	965
35°	957	618
45°	492	386
55°	305	273
65°	165	163
75°	58	64
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3621.0
2.5°	3606.6
5°	3536.6
7.5°	3439.8
10°	3320.4
12.5°	3182.5
15°	3048.7
17.5°	2881.9
20°	2688.4
22.5°	2437.3
25°	2153.2
27.5°	1809.5
30°	1476.0
32.5°	1185.7
35°	957.2
37.5°	786.4
40°	656.7
42.5°	559.9
45°	492.0
47.5°	434.4
50°	384.9
52.5°	345.8
55°	304.7
57.5°	265.6
60°	230.6
62.5°	195.6
65°	164.7
67.5°	133.8
70°	105.0
72.5°	80.3
75°	57.6
77.5°	39.1
80°	24.7
82.5°	16.5
85°	14.4
87.5°	8.2
90°	0.0

(END OF REPORT)