

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: P365747

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3482.0 lumens
Efficiency: N/A
Efficacy: 59.9 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

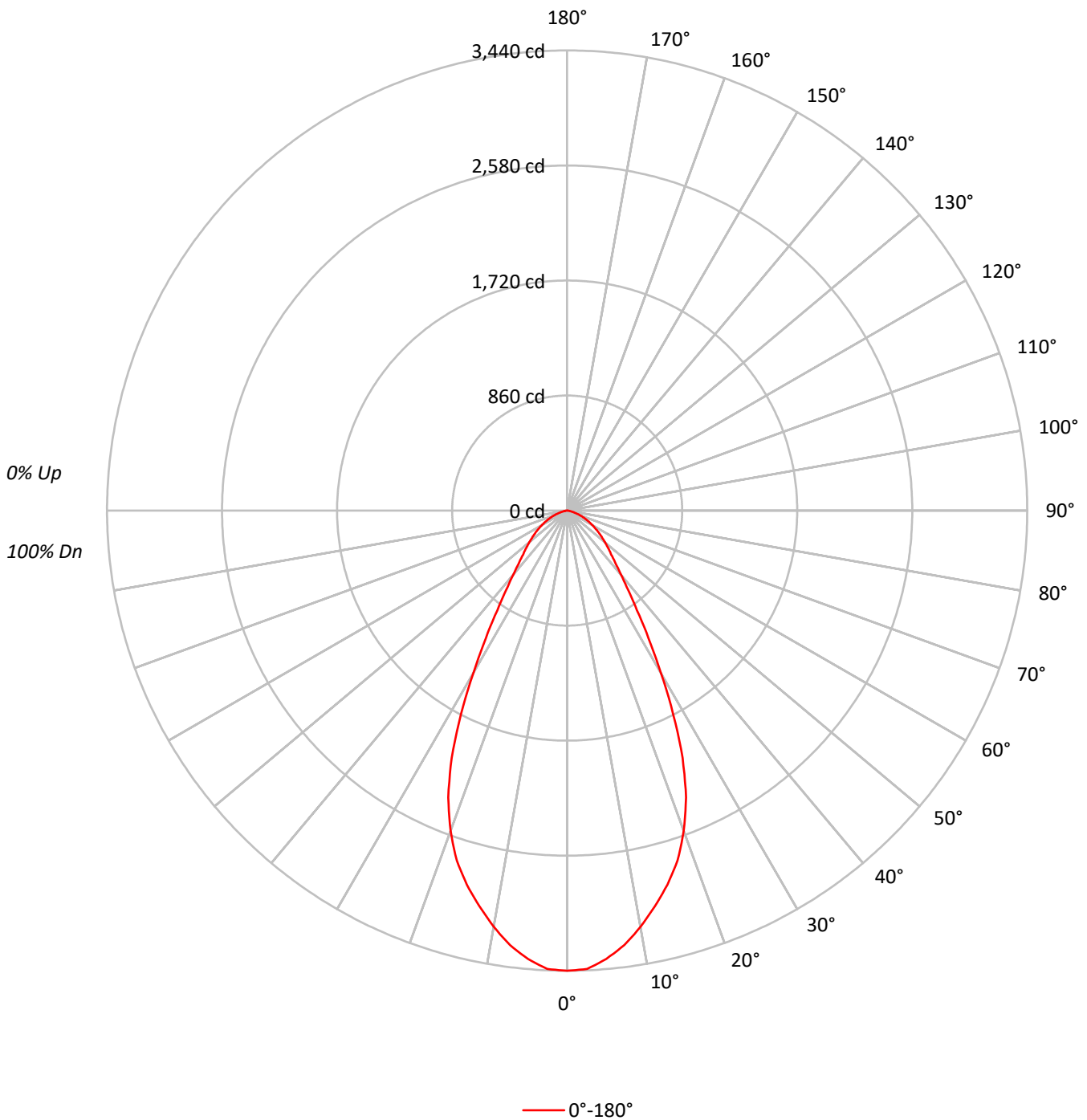
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	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	86	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°	246296
5°	241817
10°	229651
15°	214652
20°	194249
25°	161318
30°	115750
35°	79447
40°	58475
45°	47258
50°	41082
55°	36127
60°	31218
65°	26583
70°	20914
75°	14662
80°	9236
85°	10023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.7	9.0
10°-20°	808.0	23.2
20°-30°	916.5	26.3
30°-40°	587.4	16.9
40°-50°	368.2	10.6
50°-60°	259.7	7.5
60°-70°	156.0	4.5
70°-80°	59.5	1.7
80°-90°	11.9	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°	2039.2	58.6
0°-40°	2626.7	75.4
0°-60°	3254.6	93.5
0°-90°	3482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3440	
5°	3364	315
15°	2896	808
25°	2042	917
35°	909	587
45°	467	368
55°	289	260
65°	157	156
75°	53	60
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3439.8
2.5°	3429.6
5°	3364.4
7.5°	3276.8
10°	3158.6
12.5°	3030.2
15°	2895.7
17.5°	2742.9
20°	2549.3
22.5°	2323.1
25°	2041.9
27.5°	1717.9
30°	1400.0
32.5°	1131.0
35°	908.9
37.5°	747.9
40°	625.6
42.5°	535.9
45°	466.7
47.5°	415.7
50°	368.8
52.5°	328.1
55°	289.4
57.5°	252.7
60°	218.0
62.5°	187.5
65°	156.9
67.5°	128.4
70°	99.9
72.5°	75.4
75°	53.0
77.5°	36.7
80°	22.4
82.5°	14.3
85°	12.2
87.5°	6.1
90°	0.0

(END OF REPORT)