

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: P365745

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
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-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3621.1 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

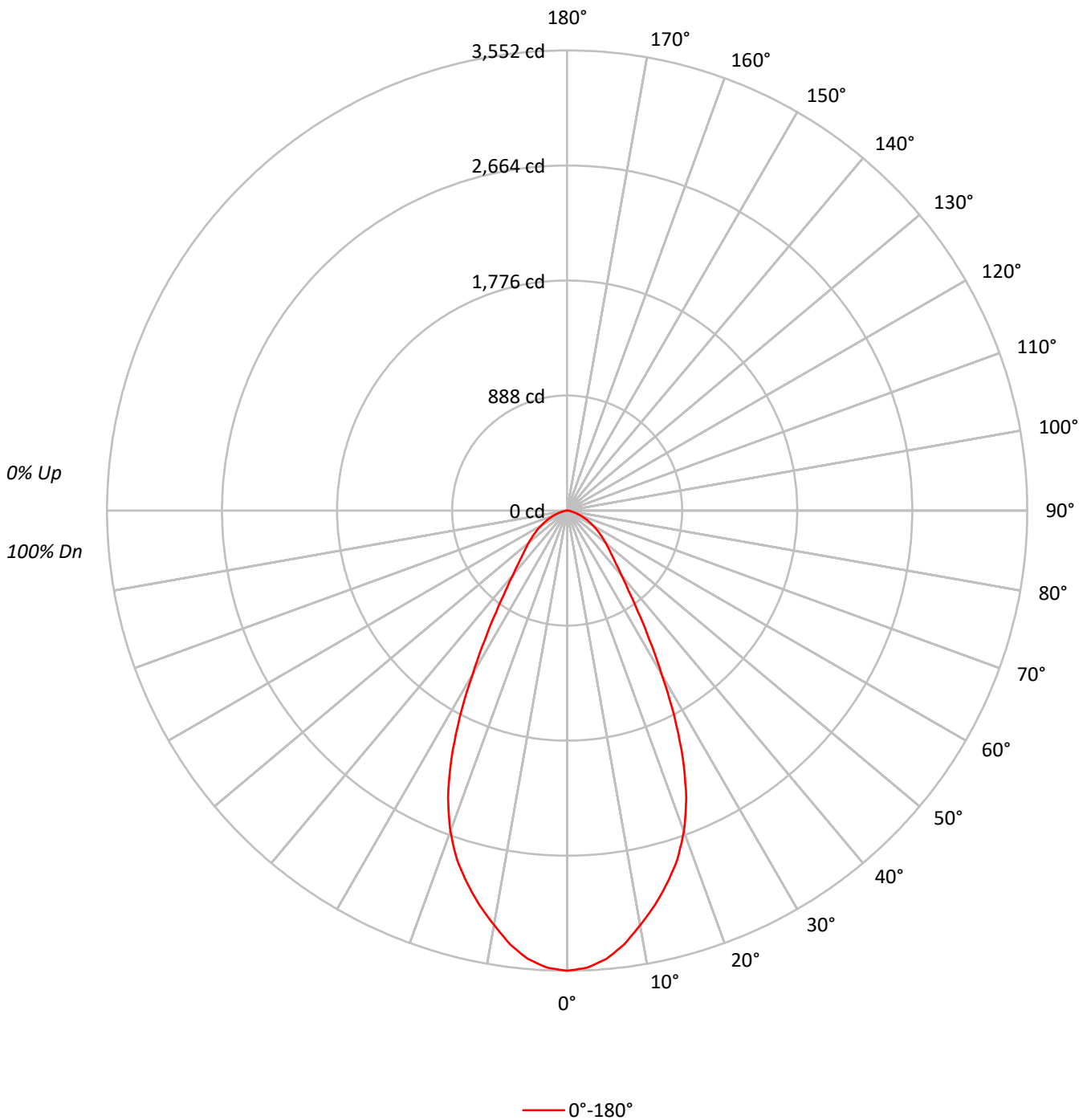
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	254323
5°	249731
10°	236172
15°	220849
20°	200772
25°	167117
30°	120636
35°	83363
40°	60952
45°	49526
50°	43131
55°	37900
60°	32980
65°	27972
70°	22610
75°	15797
80°	10102
85°	11748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.4	9.0
10°-20°	832.4	23.0
20°-30°	950.8	26.3
30°-40°	613.3	16.9
40°-50°	385.1	10.6
50°-60°	273.1	7.5
60°-70°	164.6	4.5
70°-80°	63.6	1.8
80°-90°	13.9	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°	2107.6	58.2
0°-40°	2720.8	75.1
0°-60°	3379.1	93.3
0°-90°	3621.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3621.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3552	
5°	3474	324
15°	2979	832
25°	2115	951
35°	954	613
45°	489	385
55°	304	273
65°	165	165
75°	57	64
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3551.9
2.5°	3531.6
5°	3474.5
7.5°	3376.7
10°	3248.3
12.5°	3122.0
15°	2979.3
17.5°	2826.5
20°	2634.9
22.5°	2402.6
25°	2115.3
27.5°	1791.3
30°	1459.1
32.5°	1179.9
35°	953.7
37.5°	778.5
40°	652.1
42.5°	560.4
45°	489.1
47.5°	434.1
50°	387.2
52.5°	344.4
55°	303.6
57.5°	267.0
60°	230.3
62.5°	197.7
65°	165.1
67.5°	134.5
70°	108.0
72.5°	79.5
75°	57.1
77.5°	38.7
80°	24.5
82.5°	16.3
85°	14.3
87.5°	8.2
90°	0.0

(END OF REPORT)