

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: P365766

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3583.0 lumens
Efficiency: N/A
Efficacy: 61.7 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

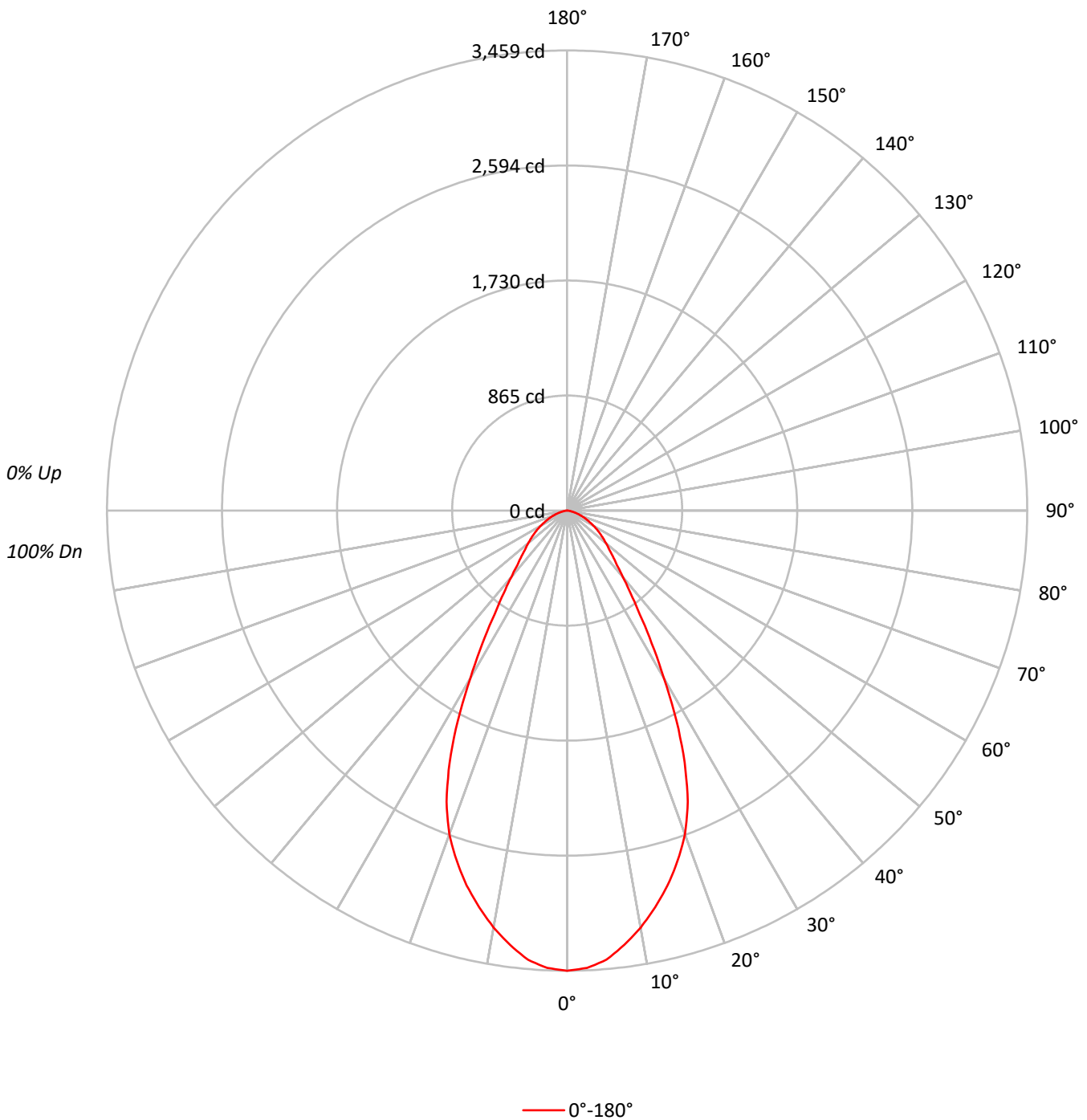
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365766

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR87

Luminous Intensity Polar Plot





TEST NUMBER: P365766

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR87

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	106	104	101	102	100	98	99	97	95	95	94	92	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	79	87	82	78	84	80	77	82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	247692
5°	243607
10°	231439
15°	216260
20°	197343
25°	165213
30°	120264
35°	83205
40°	60858
45°	49030
50°	42463
55°	37550
60°	32751
65°	27921
70°	22861
75°	17097
80°	11875
85°	10187



TEST NUMBER: P365766

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.6	8.8
10°-20°	814.8	22.7
20°-30°	940.6	26.3
30°-40°	613.4	17.1
40°-50°	380.8	10.6
50°-60°	270.4	7.5
60°-70°	164.4	4.6
70°-80°	68.1	1.9
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°	2072.0	57.8
0°-40°	2685.3	74.9
0°-60°	3336.5	93.1
0°-90°	3583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3583.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3459	
5°	3389	317
15°	2917	815
25°	2091	941
35°	952	613
45°	484	381
55°	301	270
65°	165	164
75°	62	68
85°	12	14
90°	0	



TEST NUMBER: P365766

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR87

CANDELA DISTRIBUTION (FULL):

	0°
0°	3459.3
2.5°	3440.8
5°	3389.3
7.5°	3292.4
10°	3183.2
12.5°	3053.4
15°	2917.4
17.5°	2760.9
20°	2589.9
22.5°	2369.4
25°	2091.2
27.5°	1780.1
30°	1454.6
32.5°	1182.6
35°	951.9
37.5°	780.9
40°	651.1
42.5°	554.2
45°	484.2
47.5°	426.5
50°	381.2
52.5°	340.0
55°	300.8
57.5°	265.8
60°	228.7
62.5°	195.7
65°	164.8
67.5°	136.0
70°	109.2
72.5°	84.5
75°	61.8
77.5°	43.3
80°	28.8
82.5°	18.5
85°	12.4
87.5°	6.2
90°	0.0

(END OF REPORT)