

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: P365067

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365067
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-FEU6B67-8050-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: 4874.0 lumens
Efficiency: N/A
Efficacy: 83.9 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

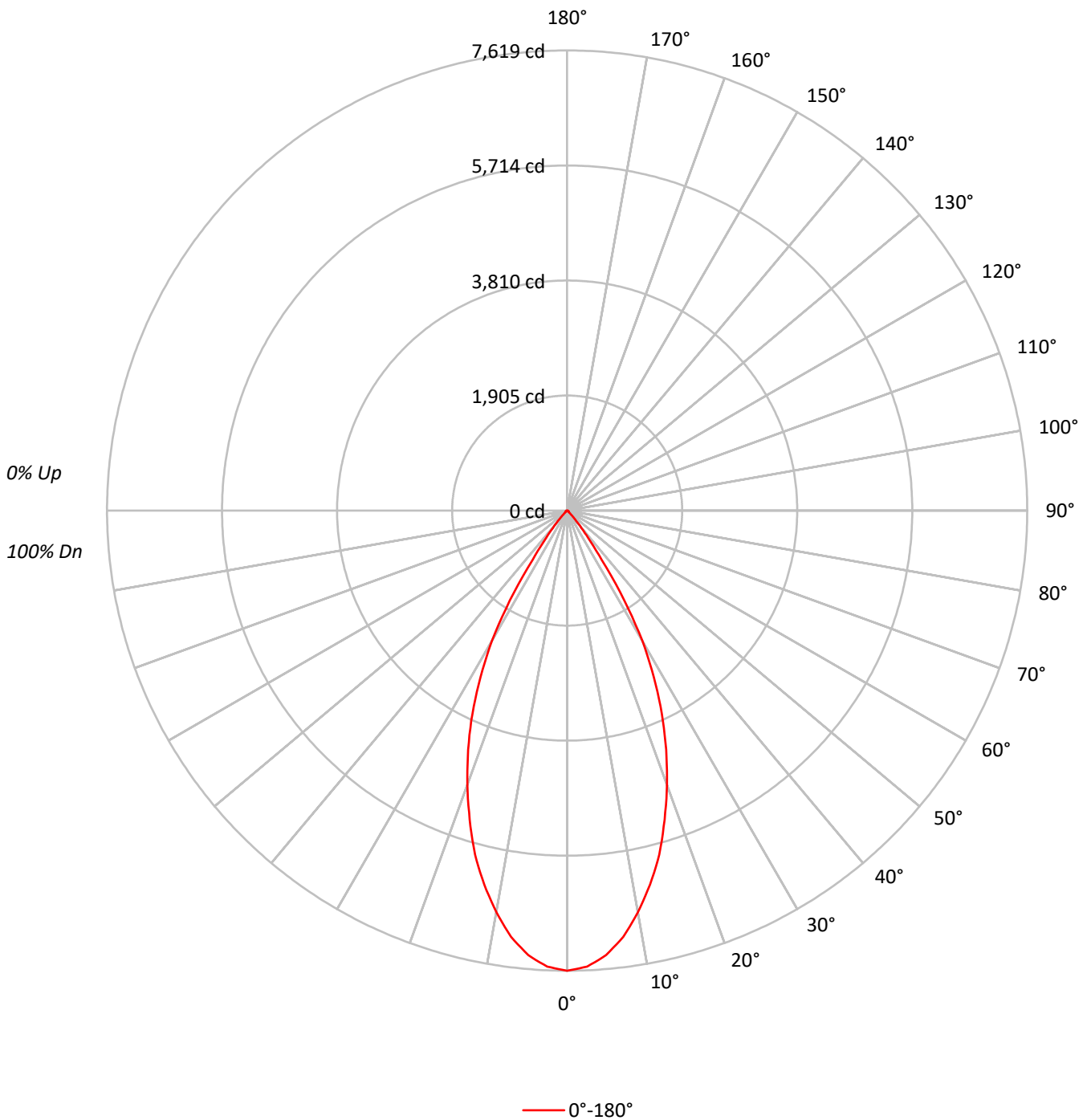
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365067

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P365067

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94

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°	545549
5°	531109
10°	490936
15°	437042
20°	368078
25°	293310
30°	205448
35°	87025
40°	30368
45°	8334
50°	4233
55°	3945
60°	3924
65°	3575
70°	3538
75°	4675
80°	6103
85°	8626



TEST NUMBER: P365067

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.1	14.1
10°-20°	1630.0	33.4
20°-30°	1676.7	34.4
30°-40°	716.1	14.7
40°-50°	89.4	1.8
50°-60°	28.5	0.6
60°-70°	21.1	0.4
70°-80°	17.0	0.3
80°-90°	10.0	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°	3991.8	81.9
0°-40°	4707.8	96.6
0°-60°	4825.8	99.0
0°-90°	4874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4874.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7619	
5°	7389	685
15°	5896	1630
25°	3713	1677
35°	996	716
45°	82	89
55°	32	29
65°	21	21
75°	17	17
85°	10	10
90°	0	



TEST NUMBER: P365067

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR94

CANDELA DISTRIBUTION (FULL):

0°	
0°	7619.2
2.5°	7558.1
5°	7389.3
7.5°	7119.3
10°	6752.3
12.5°	6343.0
15°	5895.8
17.5°	5364.3
20°	4830.6
22.5°	4282.1
25°	3712.6
27.5°	3111.4
30°	2484.9
32.5°	1765.6
35°	995.6
37.5°	569.5
40°	324.9
42.5°	168.8
45°	82.3
47.5°	44.3
50°	38.0
52.5°	33.8
55°	31.6
57.5°	29.5
60°	27.4
62.5°	23.2
65°	21.1
67.5°	19.0
70°	16.9
72.5°	16.9
75°	16.9
77.5°	14.8
80°	14.8
82.5°	12.7
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)