

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: P364992

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4233.0 lumens
Efficiency: N/A
Efficacy: 72.9 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

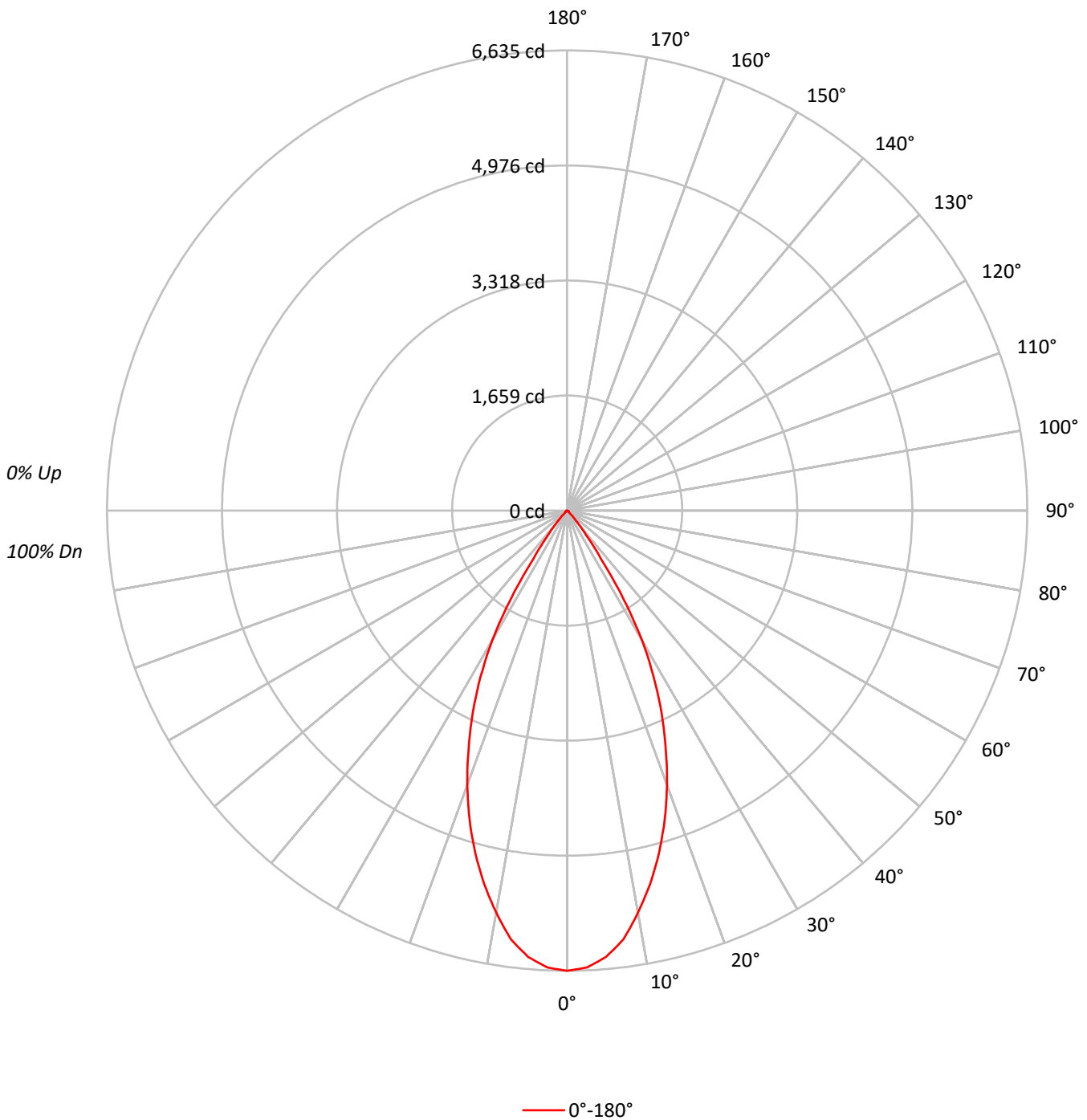
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364992

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR87

Luminous Intensity Polar Plot





TEST NUMBER: P364992

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-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	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	89
3	104	98	93	90	102	97	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	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
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°	475100
5°	464272
10°	428008
15°	379089
20°	320950
25°	254274
30°	178693
35°	74421
40°	25536
45°	6825
50°	3754
55°	3508
60°	3222
65°	3168
70°	3140
75°	3624
80°	4618
85°	7722



TEST NUMBER: P364992

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.6	14.1
10°-20°	1418.7	33.5
20°-30°	1456.5	34.4
30°-40°	616.7	14.6
40°-50°	75.8	1.8
50°-60°	25.1	0.6
60°-70°	18.5	0.4
70°-80°	14.3	0.3
80°-90°	8.7	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°	3473.8	82.1
0°-40°	4090.5	96.6
0°-60°	4191.5	99.0
0°-90°	4233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4233.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6635	
5°	6459	599
15°	5114	1419
25°	3218	1456
35°	851	617
45°	67	76
55°	28	25
65°	19	19
75°	13	14
85°	9	9
90°	0	



TEST NUMBER: P364992

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR87

CANDELA DISTRIBUTION (FULL):

0°	
0°	6635.3
2.5°	6592.3
5°	6459.4
7.5°	6231.1
10°	5886.8
12.5°	5520.1
15°	5114.0
17.5°	4678.0
20°	4212.1
22.5°	3716.2
25°	3218.5
27.5°	2703.9
30°	2161.3
32.5°	1523.2
35°	851.4
37.5°	488.4
40°	273.2
42.5°	144.1
45°	67.4
47.5°	39.3
50°	33.7
52.5°	29.9
55°	28.1
57.5°	26.2
60°	22.5
62.5°	20.6
65°	18.7
67.5°	16.8
70°	15.0
72.5°	15.0
75°	13.1
77.5°	13.1
80°	11.2
82.5°	11.2
85°	9.4
87.5°	5.6
90°	0.0

(END OF REPORT)