

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: P366457

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
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-WMH-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5255.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

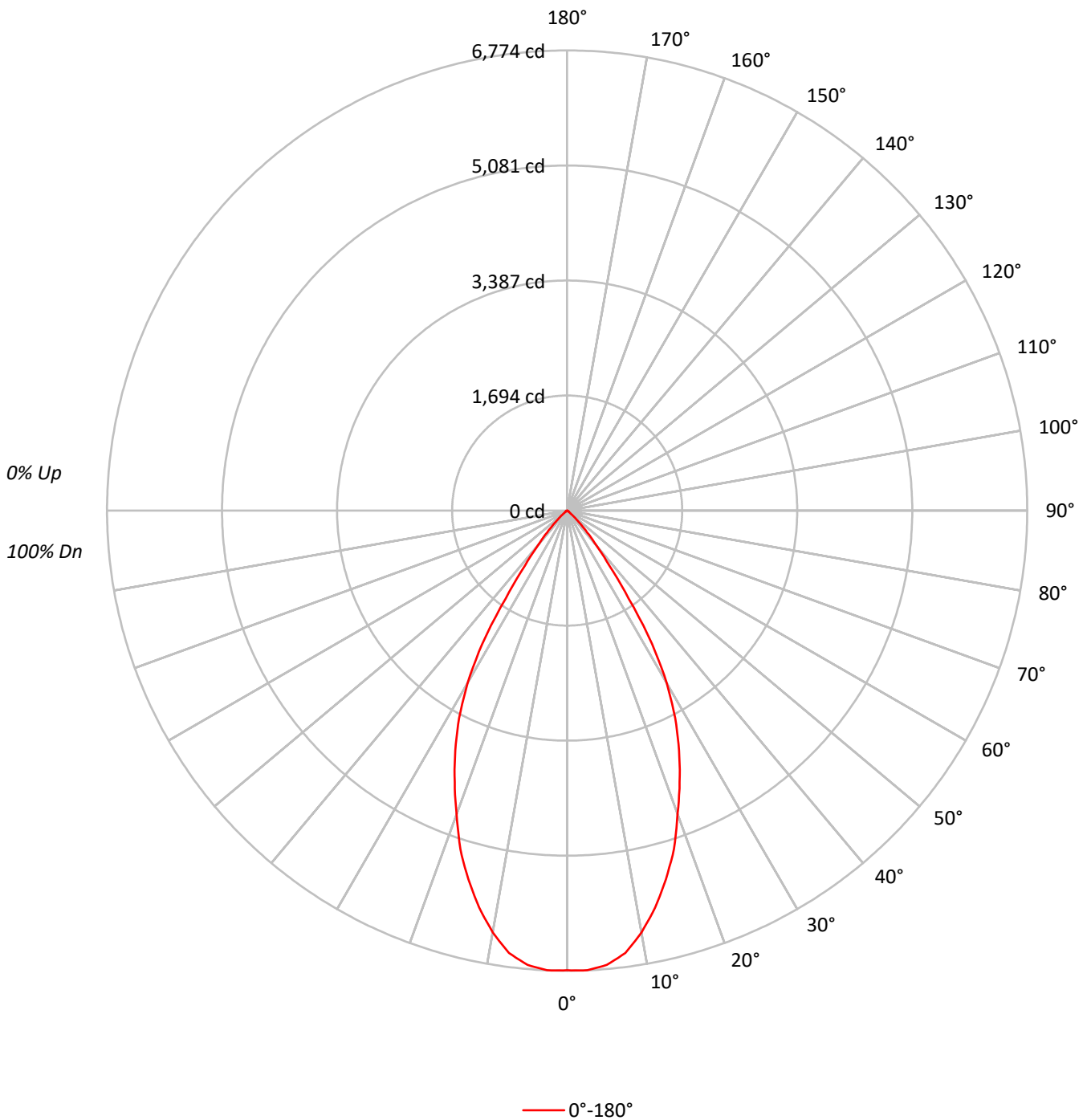
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366457

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL86

Luminous Intensity Polar Plot





TEST NUMBER: P366457

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL86

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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58	66	61	58	65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184867
5°	184090
10°	174874
15°	158848
20°	138226
25°	117518
30°	92443
35°	52743
40°	23734
45°	9990
50°	3153
55°	952
60°	656
65°	517
70°	479
75°	633
80°	315
85°	627



TEST NUMBER: P366457

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL86

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.0	12.0
10°-20°	1562.5	29.7
20°-30°	1770.6	33.7
30°-40°	1026.5	19.5
40°-50°	227.6	4.3
50°-60°	24.9	0.5
60°-70°	8.1	0.2
70°-80°	5.3	0.1
80°-90°	1.4	0.0
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°	3961.2	75.4
0°-40°	4987.6	94.9
0°-60°	5240.2	99.7
0°-90°	5255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5255.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6768	
5°	6714	628
15°	5617	1563
25°	3899	1771
35°	1582	1026
45°	259	228
55°	20	25
65°	8	8
75°	6	5
85°	2	1
90°	0	



TEST NUMBER: P366457

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-WMH-BL86

CANDELA DISTRIBUTION (FULL):

0°	
0°	6767.9
2.5°	6773.9
5°	6713.8
7.5°	6567.4
10°	6304.8
12.5°	5986.1
15°	5617.2
17.5°	5228.3
20°	4755.2
22.5°	4328.2
25°	3899.2
27.5°	3442.1
30°	2930.9
32.5°	2327.5
35°	1581.7
37.5°	1016.4
40°	665.6
42.5°	435.0
45°	258.6
47.5°	144.3
50°	74.2
52.5°	34.1
55°	20.0
57.5°	16.0
60°	12.0
62.5°	10.0
65°	8.0
67.5°	6.0
70°	6.0
72.5°	6.0
75°	6.0
77.5°	4.0
80°	2.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)