

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: P365720

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4341.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

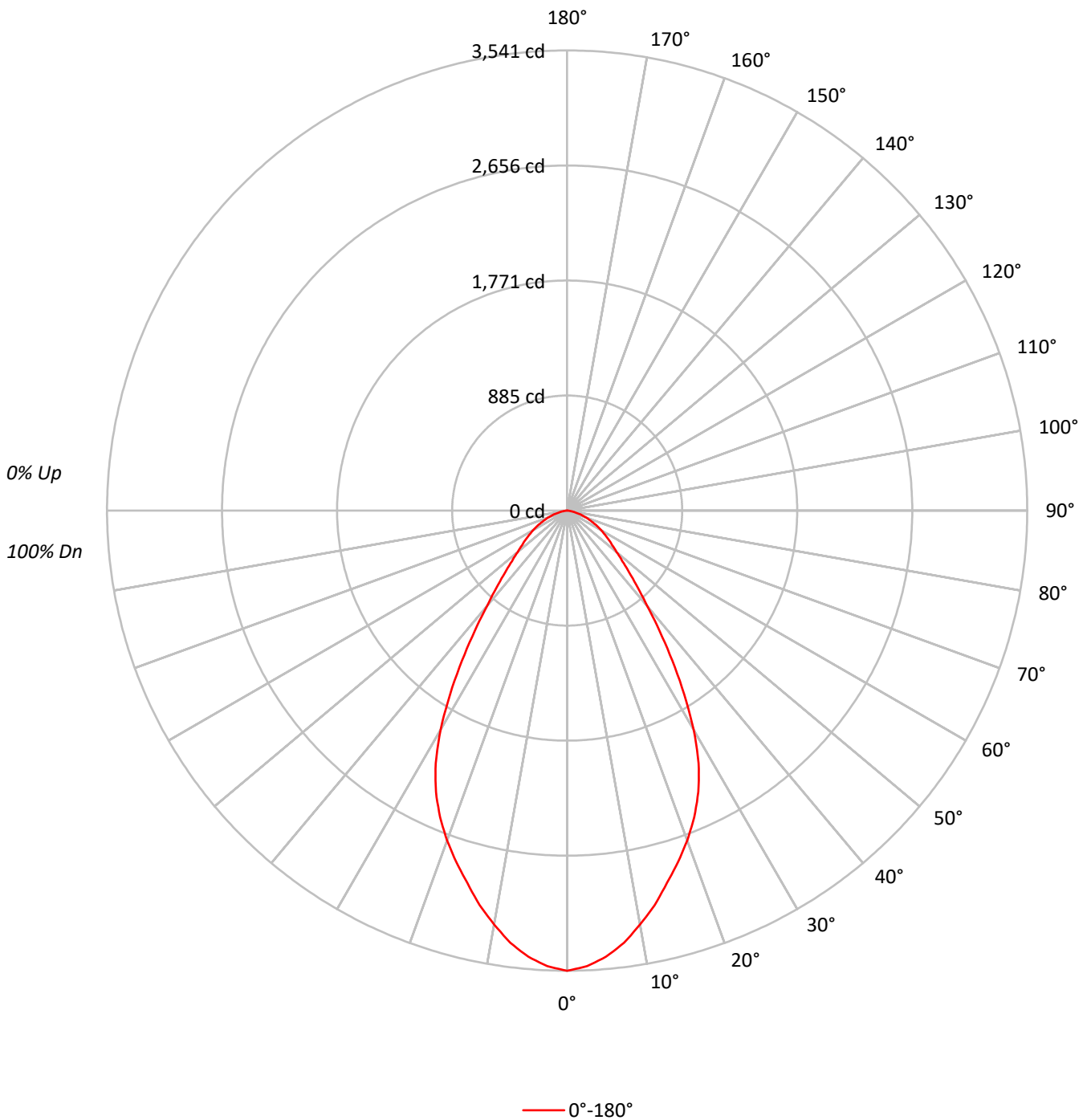
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365720

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL87

Luminous Intensity Polar Plot





TEST NUMBER: P365720

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL87

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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	68		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96734
5°	94477
10°	89695
15°	83881
20°	78499
25°	71999
30°	61426
35°	47024
40°	34188
45°	26079
50°	21137
55°	18549
60°	16477
65°	14329
70°	12123
75°	9488
80°	6276
85°	2507



TEST NUMBER: P365720

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	7.4
10°-20°	834.1	19.2
20°-30°	1084.5	25.0
30°-40°	883.8	20.4
40°-50°	533.7	12.3
50°-60°	350.5	8.1
60°-70°	221.4	5.1
70°-80°	96.7	2.2
80°-90°	14.1	0.3
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°	2240.8	51.6
0°-40°	3124.6	72.0
0°-60°	4008.8	92.3
0°-90°	4341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4341.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3541	
5°	3446	322
15°	2966	834
25°	2389	1084
35°	1410	884
45°	675	534
55°	390	350
65°	222	221
75°	90	97
85°	8	14
90°	0	



TEST NUMBER: P365720

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BL87

CANDELA DISTRIBUTION (FULL):

0°	
0°	3541.4
2.5°	3509.5
5°	3445.6
7.5°	3353.7
10°	3233.8
12.5°	3110.0
15°	2966.2
17.5°	2836.3
20°	2700.5
22.5°	2554.7
25°	2388.9
27.5°	2191.2
30°	1947.5
32.5°	1675.8
35°	1410.2
37.5°	1166.5
40°	958.8
42.5°	803.0
45°	675.1
47.5°	575.3
50°	497.4
52.5°	437.4
55°	389.5
57.5°	343.6
60°	301.6
62.5°	261.7
65°	221.7
67.5°	185.8
70°	151.8
72.5°	119.8
75°	89.9
77.5°	61.9
80°	39.9
82.5°	22.0
85°	8.0
87.5°	2.0
90°	0.0

(END OF REPORT)