

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: P365792

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365792
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: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4878.0 lumens
Efficiency: N/A
Efficacy: 66.5 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

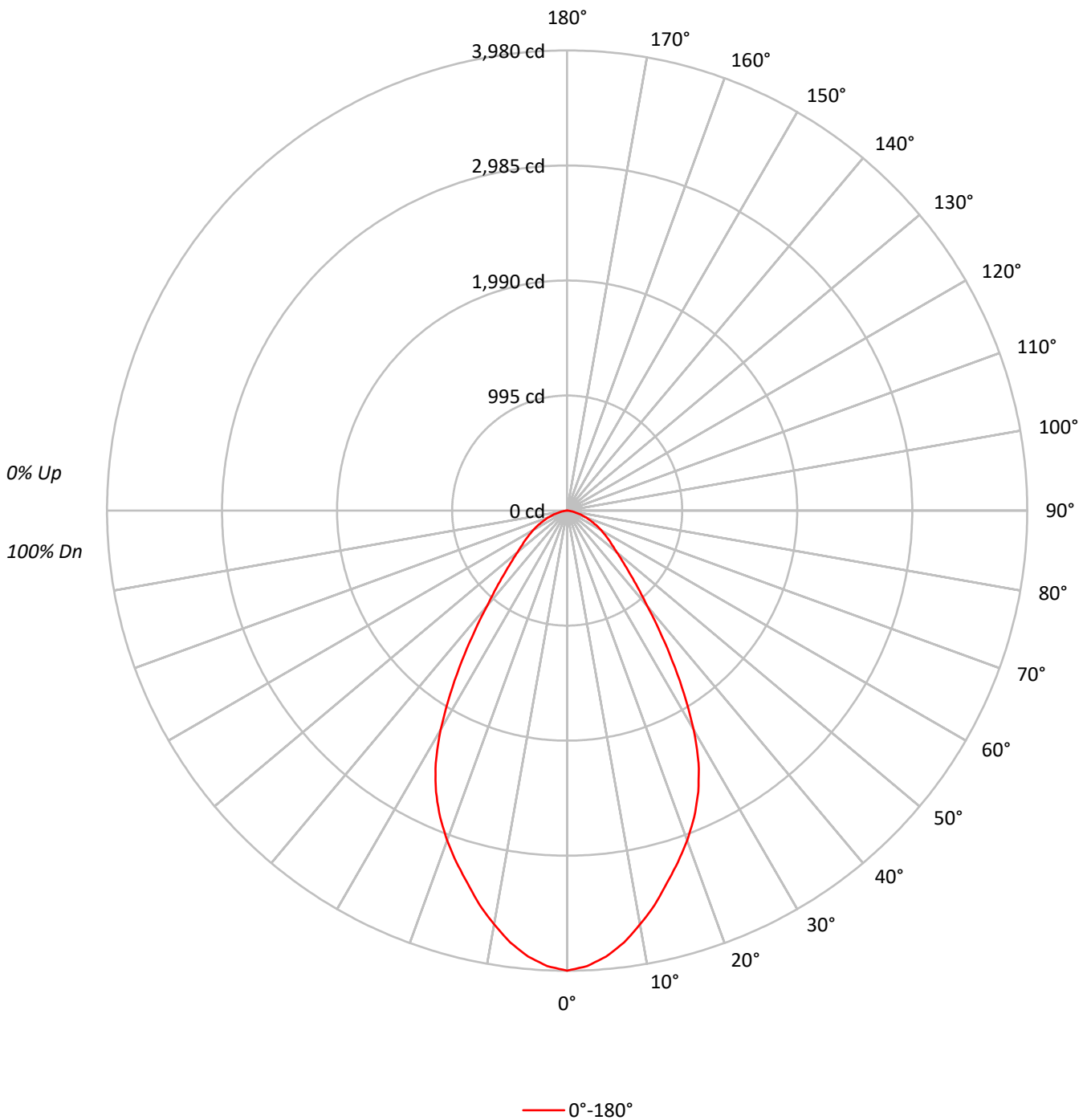
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365792

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL87

Luminous Intensity Polar Plot





TEST NUMBER: P365792

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-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°	108701
5°	106163
10°	100792
15°	94256
20°	88211
25°	80905
30°	69024
35°	52840
40°	38417
45°	29304
50°	23750
55°	20844
60°	18514
65°	16100
70°	13625
75°	10659
80°	7063
85°	2821



TEST NUMBER: P365792

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.1	7.4
10°-20°	937.3	19.2
20°-30°	1218.6	25.0
30°-40°	993.1	20.4
40°-50°	599.7	12.3
50°-60°	393.8	8.1
60°-70°	248.7	5.1
70°-80°	108.7	2.2
80°-90°	15.9	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°	2518.0	51.6
0°-40°	3511.2	72.0
0°-60°	4504.7	92.3
0°-90°	4878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4878.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3980	
5°	3872	362
15°	3333	937
25°	2684	1219
35°	1585	993
45°	759	600
55°	438	394
65°	249	249
75°	101	109
85°	9	16
90°	0	



TEST NUMBER: P365792

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8027-F6LBXVM1-MW-BL87

CANDELA DISTRIBUTION (FULL):

	0°
0°	3979.5
2.5°	3943.6
5°	3871.8
7.5°	3768.5
10°	3633.9
12.5°	3494.7
15°	3333.1
17.5°	3187.2
20°	3034.6
22.5°	2870.7
25°	2684.4
27.5°	2462.2
30°	2188.4
32.5°	1883.1
35°	1584.6
37.5°	1310.8
40°	1077.4
42.5°	902.3
45°	758.6
47.5°	646.4
50°	558.9
52.5°	491.5
55°	437.7
57.5°	386.1
60°	338.9
62.5°	294.0
65°	249.1
67.5°	208.7
70°	170.6
72.5°	134.7
75°	101.0
77.5°	69.6
80°	44.9
82.5°	24.7
85°	9.0
87.5°	2.2
90°	0.0

(END OF REPORT)