

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: P365666

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365666
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: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3831.0 lumens
Efficiency: N/A
Efficacy: 69.5 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

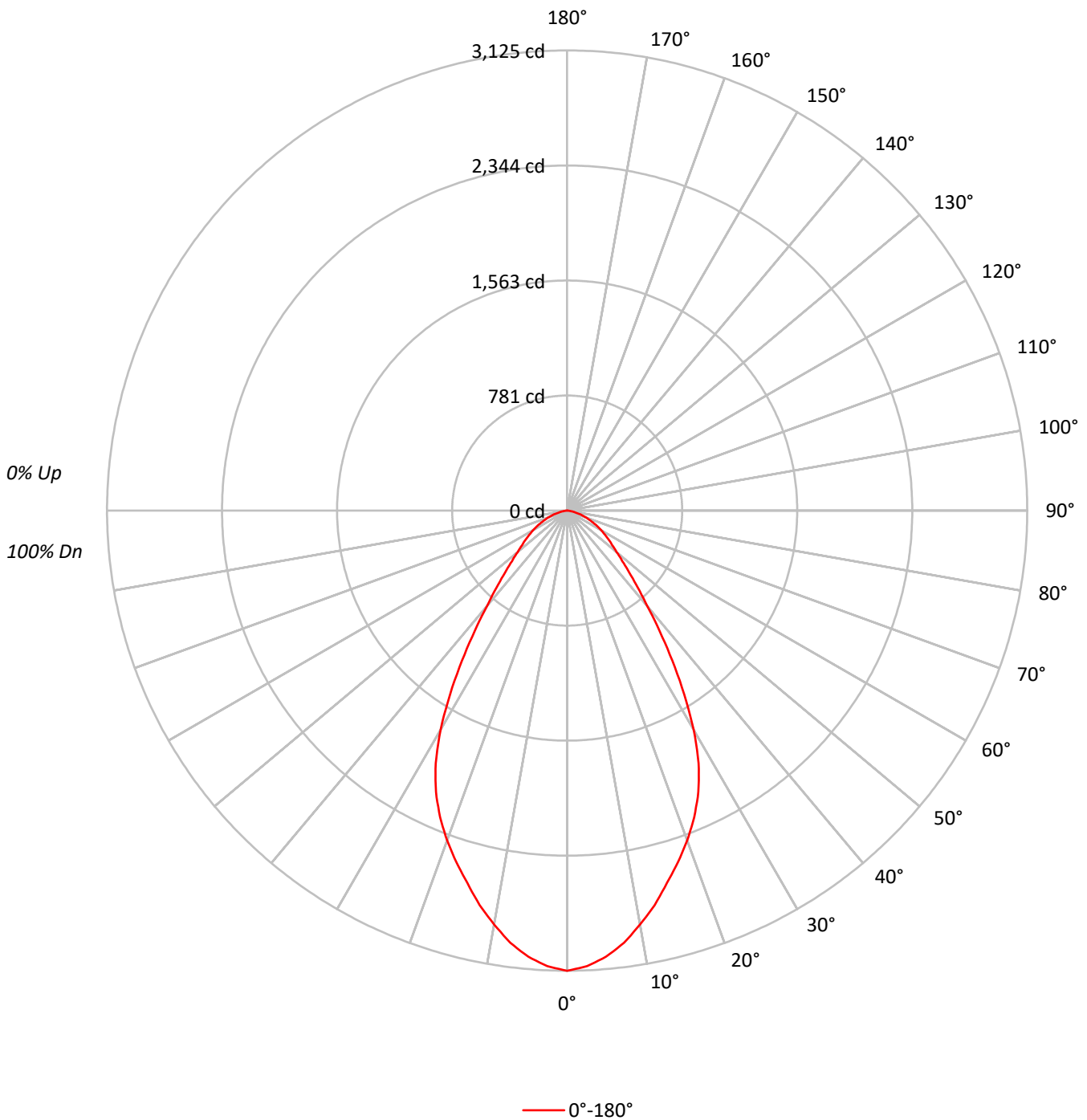
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365666

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL87

Luminous Intensity Polar Plot





TEST NUMBER: P365666

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-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	77	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°	85371
5°	83378
10°	79158
15°	74026
20°	69276
25°	63542
30°	54209
35°	41499
40°	30170
45°	23016
50°	18651
55°	16368
60°	14543
65°	12649
70°	10702
75°	8369
80°	5553
85°	2225



TEST NUMBER: P365666

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	7.4
10°-20°	736.1	19.2
20°-30°	957.1	25.0
30°-40°	780.0	20.4
40°-50°	471.0	12.3
50°-60°	309.3	8.1
60°-70°	195.4	5.1
70°-80°	85.4	2.2
80°-90°	12.5	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°	1977.6	51.6
0°-40°	2757.5	72.0
0°-60°	3537.8	92.3
0°-90°	3831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3831.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3125	
5°	3041	284
15°	2618	736
25°	2108	957
35°	1244	780
45°	596	471
55°	344	309
65°	196	195
75°	79	85
85°	7	12
90°	0	



TEST NUMBER: P365666

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL87

CANDELA DISTRIBUTION (FULL):

0°	
0°	3125.4
2.5°	3097.2
5°	3040.8
7.5°	2959.7
10°	2853.9
12.5°	2744.6
15°	2617.7
17.5°	2503.1
20°	2383.2
22.5°	2254.6
25°	2108.3
27.5°	1933.7
30°	1718.7
32.5°	1479.0
35°	1244.5
37.5°	1029.4
40°	846.1
42.5°	708.6
45°	595.8
47.5°	507.7
50°	438.9
52.5°	386.0
55°	343.7
57.5°	303.2
60°	266.2
62.5°	230.9
65°	195.7
67.5°	163.9
70°	134.0
72.5°	105.8
75°	79.3
77.5°	54.6
80°	35.3
82.5°	19.4
85°	7.1
87.5°	1.8
90°	0.0

(END OF REPORT)