

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: P366251

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2821.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

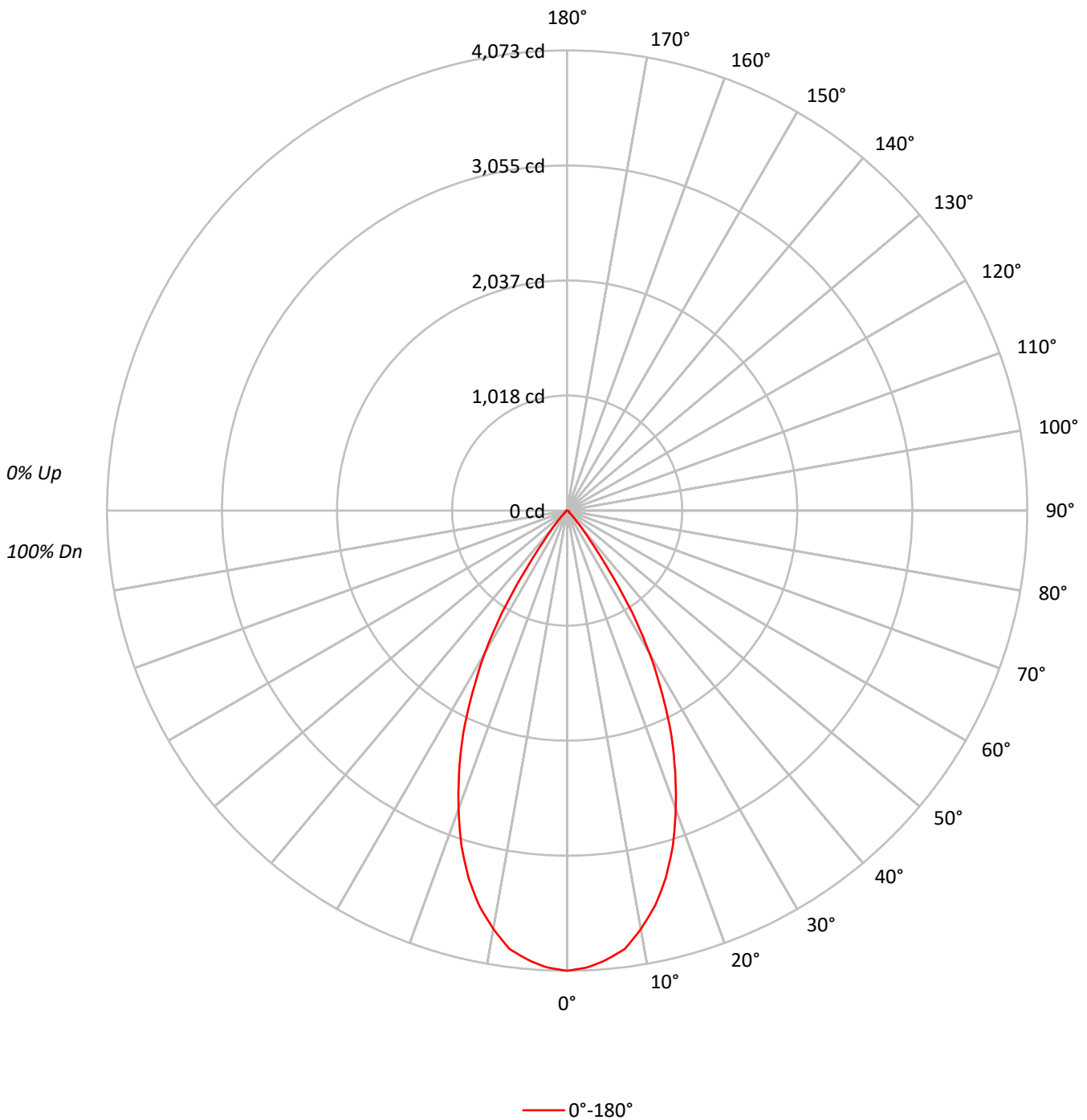
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366251

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR86

Luminous Intensity Polar Plot





TEST NUMBER: P366251

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR86

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	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	291663
5°	286862
10°	273333
15°	249766
20°	214190
25°	171857
30°	120496
35°	55671
40°	17871
45°	5772
50°	2685
55°	2372
60°	2363
65°	2152
70°	2114
75°	2462
80°	3134
85°	5176



TEST NUMBER: P366251

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR86

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.3	13.3
10°-20°	932.4	33.1
20°-30°	979.2	34.7
30°-40°	434.5	15.4
40°-50°	56.1	2.0
50°-60°	17.5	0.6
60°-70°	12.4	0.4
70°-80°	9.0	0.3
80°-90°	5.5	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°	2285.9	81.0
0°-40°	2720.4	96.4
0°-60°	2794.1	99.0
0°-90°	2821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2821.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4073	
5°	3991	374
15°	3369	932
25°	2175	979
35°	637	435
45°	57	56
55°	19	18
65°	13	12
75°	9	9
85°	6	6
90°	0	



TEST NUMBER: P366251

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-WMH-BTR86

CANDELA DISTRIBUTION (FULL):

0°	
0°	4073.4
2.5°	4048.1
5°	3991.1
7.5°	3913.8
10°	3759.4
12.5°	3585.9
15°	3369.4
17.5°	3109.8
20°	2811.0
22.5°	2497.0
25°	2175.3
27.5°	1814.5
30°	1457.4
32.5°	1071.2
35°	636.9
37.5°	339.3
40°	191.2
42.5°	105.1
45°	57.0
47.5°	29.1
50°	24.1
52.5°	21.5
55°	19.0
57.5°	17.7
60°	16.5
62.5°	13.9
65°	12.7
67.5°	10.1
70°	10.1
72.5°	8.9
75°	8.9
77.5°	7.6
80°	7.6
82.5°	6.3
85°	6.3
87.5°	3.8
90°	0.0

(END OF REPORT)