

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: P365531

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2251.0 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

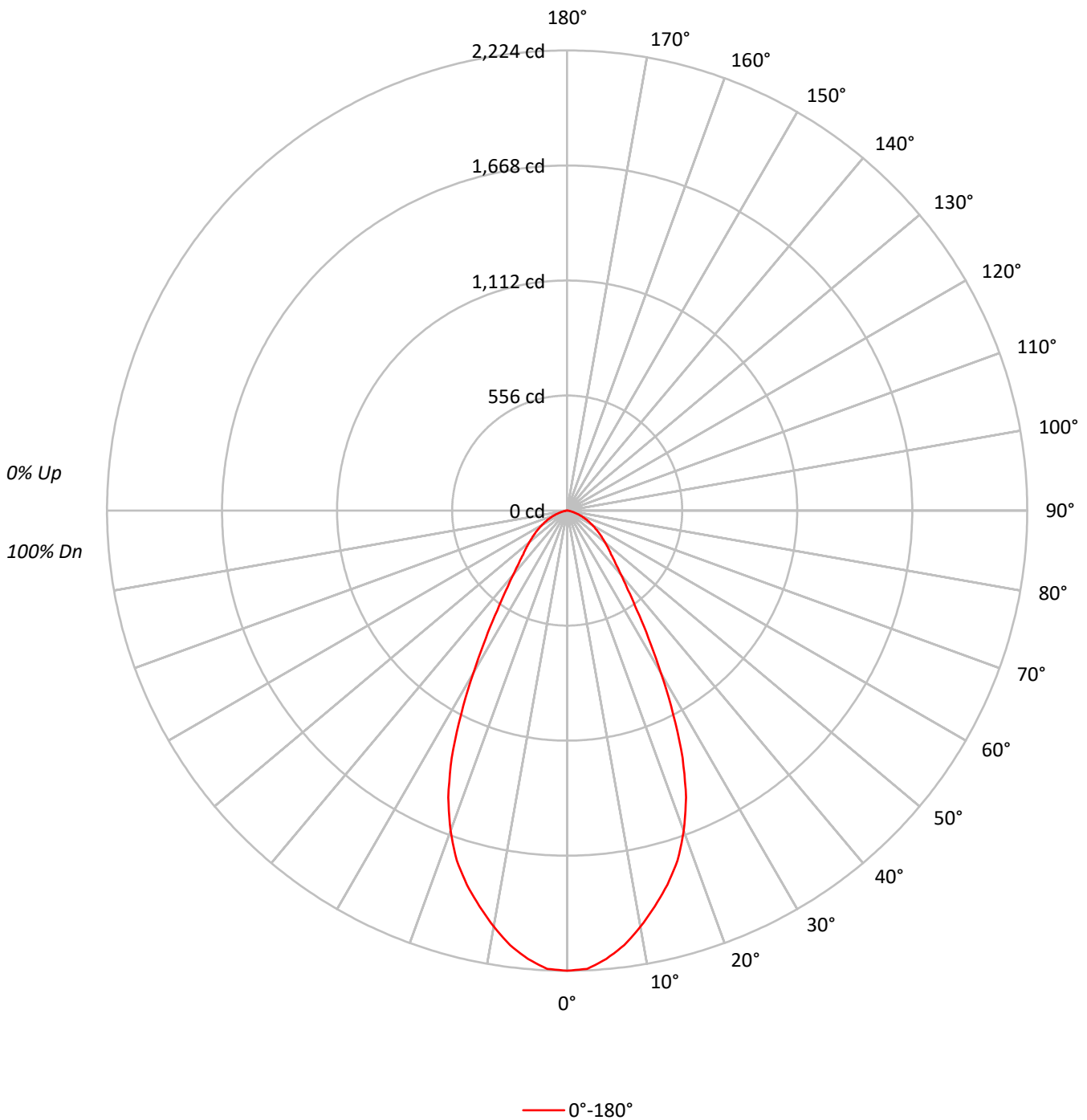
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365531

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

Luminous Intensity Polar Plot





TEST NUMBER: P365531

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-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	112	109	106	103	110	107	104	101	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159221
5°	156329
10°	148459
15°	138767
20°	125573
25°	104285
30°	74824
35°	51353
40°	37799
45°	30550
50°	26556
55°	23356
60°	20192
65°	17180
70°	13524
75°	9489
80°	5979
85°	6490



TEST NUMBER: P365531

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	9.0
10°-20°	522.3	23.2
20°-30°	592.5	26.3
30°-40°	379.7	16.9
40°-50°	238.0	10.6
50°-60°	167.9	7.5
60°-70°	100.9	4.5
70°-80°	38.5	1.7
80°-90°	7.7	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°	1318.3	58.6
0°-40°	1698.0	75.4
0°-60°	2103.9	93.5
0°-90°	2251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2251.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2224	
5°	2175	203
15°	1872	522
25°	1320	592
35°	588	380
45°	302	238
55°	187	168
65°	101	101
75°	34	38
85°	8	8
90°	0	



TEST NUMBER: P365531

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	2223.7
2.5°	2217.1
5°	2175.0
7.5°	2118.3
10°	2041.9
12.5°	1958.9
15°	1872.0
17.5°	1773.2
20°	1648.0
22.5°	1501.8
25°	1320.0
27.5°	1110.5
30°	905.0
32.5°	731.1
35°	587.5
37.5°	483.5
40°	404.4
42.5°	346.5
45°	301.7
47.5°	268.7
50°	238.4
52.5°	212.1
55°	187.1
57.5°	163.4
60°	141.0
62.5°	121.2
65°	101.4
67.5°	83.0
70°	64.6
72.5°	48.7
75°	34.3
77.5°	23.7
80°	14.5
82.5°	9.2
85°	7.9
87.5°	4.0
90°	0.0

(END OF REPORT)