

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: P365546

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2222.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

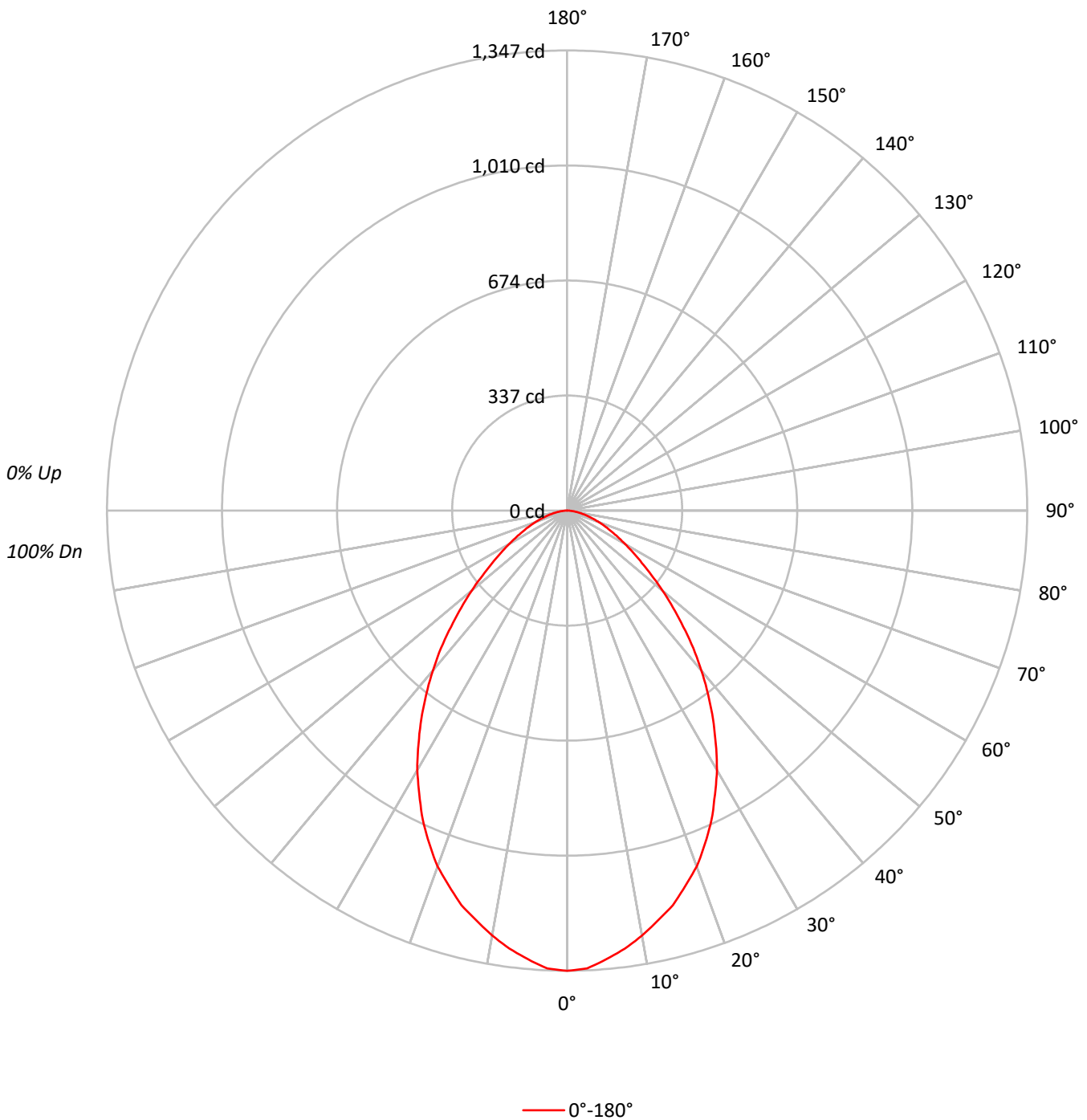
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365546

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR82

Luminous Intensity Polar Plot





TEST NUMBER: P365546

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR82

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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96455
5°	94746
10°	91835
15°	88627
20°	84487
25°	79004
30°	72542
35°	65015
40°	57166
45°	48676
50°	40658
55°	33356
60°	28011
65°	23804
70°	20768
75°	17540
80°	14184
85°	11337



TEST NUMBER: P365546

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR82

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	5.6
10°-20°	335.2	15.1
20°-30°	457.9	20.6
30°-40°	464.1	20.9
40°-50°	372.2	16.7
50°-60°	242.5	10.9
60°-70°	141.6	6.4
70°-80°	68.1	3.1
80°-90°	16.3	0.7
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°	917.3	41.3
0°-40°	1381.4	62.2
0°-60°	1996.1	89.8
0°-90°	2222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2222.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1347	
5°	1318	124
15°	1196	335
25°	1000	458
35°	744	464
45°	481	372
55°	267	242
65°	140	142
75°	63	68
85°	14	16
90°	0	



TEST NUMBER: P365546

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-MW-BTR82

CANDELA DISTRIBUTION (FULL):

0°	
0°	1347.1
2.5°	1341.6
5°	1318.2
7.5°	1293.4
10°	1263.1
12.5°	1228.6
15°	1195.6
17.5°	1151.5
20°	1108.8
22.5°	1055.1
25°	1000.0
27.5°	936.6
30°	877.4
32.5°	809.9
35°	743.8
37.5°	677.7
40°	611.6
42.5°	546.8
45°	480.7
47.5°	420.1
50°	365.0
52.5°	311.3
55°	267.2
57.5°	228.6
60°	195.6
62.5°	166.7
65°	140.5
67.5°	118.5
70°	99.2
72.5°	79.9
75°	63.4
77.5°	48.2
80°	34.4
82.5°	23.4
85°	13.8
87.5°	5.5
90°	0.0

(END OF REPORT)