

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: P364832

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
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-LI-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3264.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

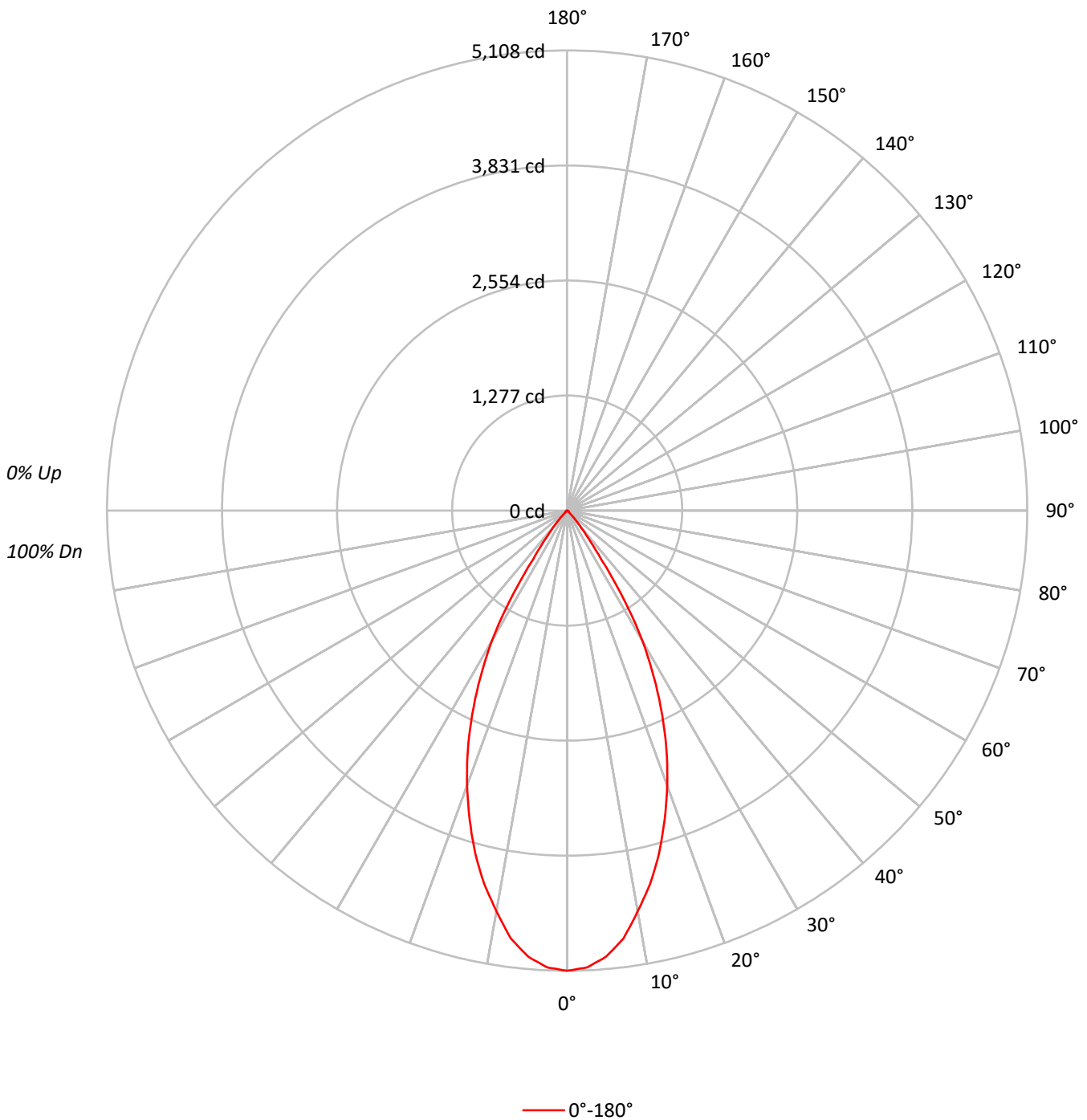
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364832

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BV

Luminous Intensity Polar Plot





TEST NUMBER: P364832

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BV

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	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	365735
5°	357242
10°	328342
15°	292219
20°	247519
25°	196822
30°	138379
35°	57752
40°	19937
45°	5154
50°	2607
55°	2409
60°	2363
65°	2338
70°	2303
75°	3043
80°	3422
85°	5669



TEST NUMBER: P364832

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.1	14.1
10°-20°	1092.0	33.5
20°-30°	1126.8	34.5
30°-40°	479.3	14.7
40°-50°	57.5	1.8
50°-60°	17.4	0.5
60°-70°	13.6	0.4
70°-80°	10.9	0.3
80°-90°	6.4	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°	2678.9	82.1
0°-40°	3158.2	96.8
0°-60°	3233.1	99.1
0°-90°	3264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3264.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5108	
5°	4970	460
15°	3942	1092
25°	2491	1127
35°	661	479
45°	51	57
55°	19	17
65°	14	14
75°	11	11
85°	7	6
90°	0	



TEST NUMBER: P364832

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BV

CANDELA DISTRIBUTION (FULL):

0°	
0°	5107.9
2.5°	5074.9
5°	4970.3
7.5°	4788.6
10°	4516.0
12.5°	4247.6
15°	3942.1
17.5°	3598.0
20°	3248.4
22.5°	2883.6
25°	2491.3
27.5°	2086.7
30°	1673.7
32.5°	1186.5
35°	660.7
37.5°	379.9
40°	213.3
42.5°	110.1
45°	50.9
47.5°	27.5
50°	23.4
52.5°	20.6
55°	19.3
57.5°	17.9
60°	16.5
62.5°	15.1
65°	13.8
67.5°	12.4
70°	11.0
72.5°	11.0
75°	11.0
77.5°	9.6
80°	8.3
82.5°	8.3
85°	6.9
87.5°	4.1
90°	0.0

(END OF REPORT)