

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: P366309

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-33)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3213.1 lumens
Efficiency: N/A
Efficacy: 79.1 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

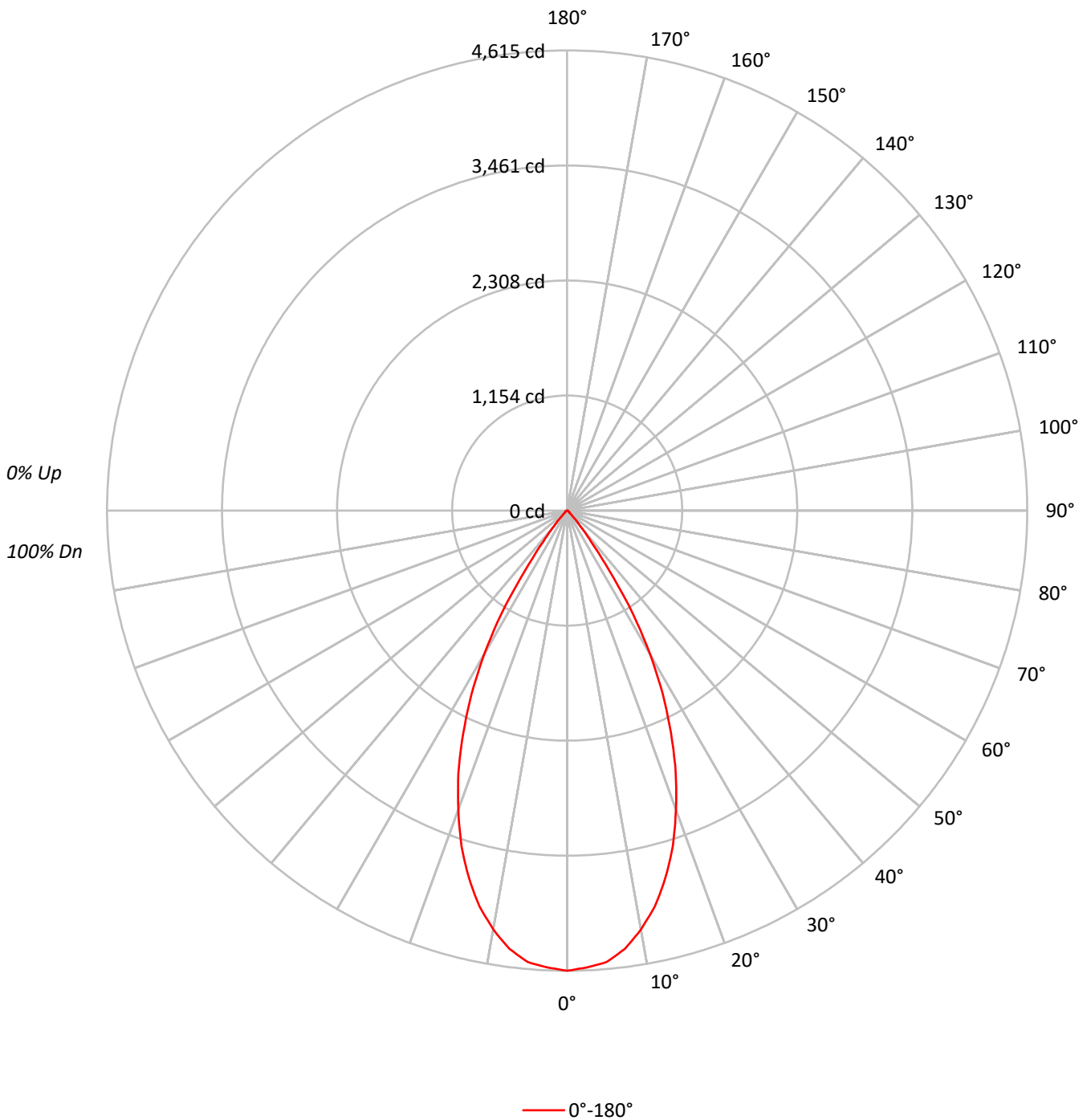
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366309

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P366309

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR94

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	88	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	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	330421
5°	326688
10°	310137
15°	282434
20°	243069
25°	194737
30°	137387
35°	63634
40°	20694
45°	6612
50°	3164
55°	2834
60°	2635
65°	2406
70°	2387
75°	3154
80°	3505
85°	5833



TEST NUMBER: P366309

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.7	13.2
10°-20°	1056.7	32.9
20°-30°	1115.1	34.7
30°-40°	499.0	15.5
40°-50°	65.3	2.0
50°-60°	20.1	0.6
60°-70°	14.2	0.4
70°-80°	11.3	0.4
80°-90°	6.6	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°	2596.5	80.8
0°-40°	3095.5	96.3
0°-60°	3181.0	99.0
0°-90°	3213.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3213.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4615	
5°	4545	425
15°	3810	1057
25°	2465	1115
35°	728	499
45°	65	65
55°	23	20
65°	14	14
75°	11	11
85°	7	7
90°	0	



TEST NUMBER: P366309

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR94

CANDELA DISTRIBUTION (FULL):

	0°
0°	4614.7
2.5°	4584.9
5°	4545.2
7.5°	4433.1
10°	4265.6
12.5°	4065.5
15°	3810.1
17.5°	3526.3
20°	3190.0
22.5°	2848.0
25°	2464.9
27.5°	2077.5
30°	1661.7
32.5°	1231.7
35°	728.0
37.5°	395.9
40°	221.4
42.5°	123.5
45°	65.3
47.5°	34.1
50°	28.4
52.5°	24.1
55°	22.7
57.5°	19.9
60°	18.4
62.5°	15.6
65°	14.2
67.5°	12.8
70°	11.4
72.5°	11.4
75°	11.4
77.5°	9.9
80°	8.5
82.5°	8.5
85°	7.1
87.5°	4.3
90°	0.0

(END OF REPORT)