

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: P366266

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
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-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2956.9 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

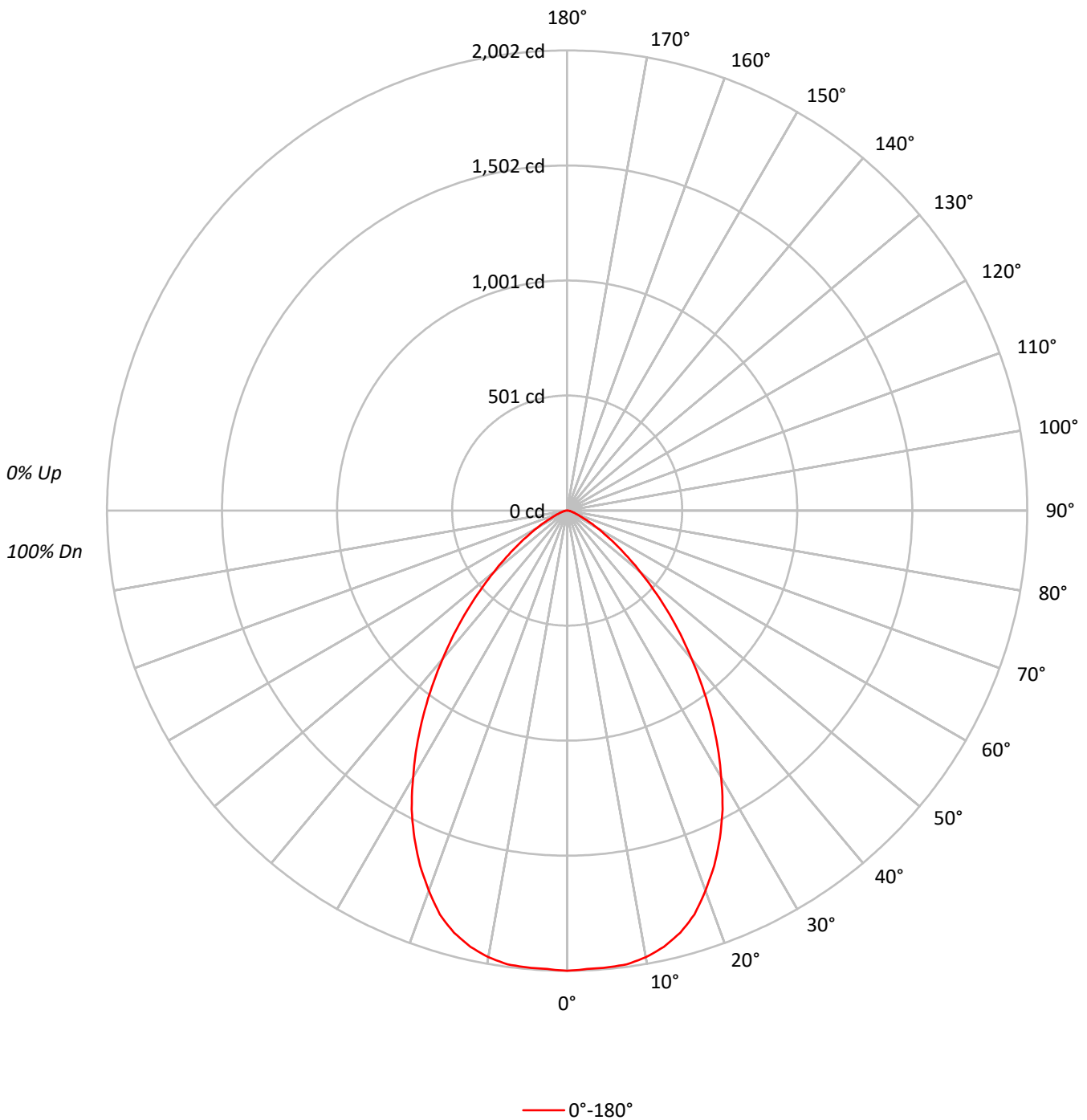
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366266

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

Luminous Intensity Polar Plot





TEST NUMBER: P366266

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	60	52	47	69	59	52	47	58	52	47	57	51	47	55	50	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143354
5°	143406
10°	143464
15°	140961
20°	134092
25°	124234
30°	110889
35°	95443
40°	78767
45°	62326
50°	46317
55°	32657
60°	21695
65°	13300
70°	8646
75°	6474
80°	5690
85°	6819



TEST NUMBER: P366266

CATALOG NUMBER: FLD6BX40D010-FEUGB35-8030-F6LBXVM1-WMH-BTR82

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	6.4
10°-20°	532.4	18.0
20°-30°	718.7	24.3
30°-40°	680.0	23.0
40°-50°	476.7	16.1
50°-60°	239.8	8.1
60°-70°	84.7	2.9
70°-80°	26.5	0.9
80°-90°	8.2	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°	1441.0	48.7
0°-40°	2121.0	71.7
0°-60°	2837.5	96.0
0°-90°	2956.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2956.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2002	
5°	1995	190
15°	1902	532
25°	1572	719
35°	1092	680
45°	616	477
55°	262	240
65°	78	85
75°	23	26
85°	8	8
90°	0	



TEST NUMBER: P366266

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	2002.1
2.5°	1996.6
5°	1995.2
7.5°	1991.1
10°	1973.2
12.5°	1944.3
15°	1901.6
17.5°	1842.4
20°	1759.8
22.5°	1671.6
25°	1572.5
27.5°	1465.1
30°	1341.2
32.5°	1218.6
35°	1091.9
37.5°	966.6
40°	842.7
42.5°	728.4
45°	615.5
47.5°	512.2
50°	415.8
52.5°	333.2
55°	261.6
57.5°	201.0
60°	151.5
62.5°	111.5
65°	78.5
67.5°	57.8
70°	41.3
72.5°	31.7
75°	23.4
77.5°	17.9
80°	13.8
82.5°	11.0
85°	8.3
87.5°	4.1
90°	0.0

(END OF REPORT)