

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: P365604

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2530.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

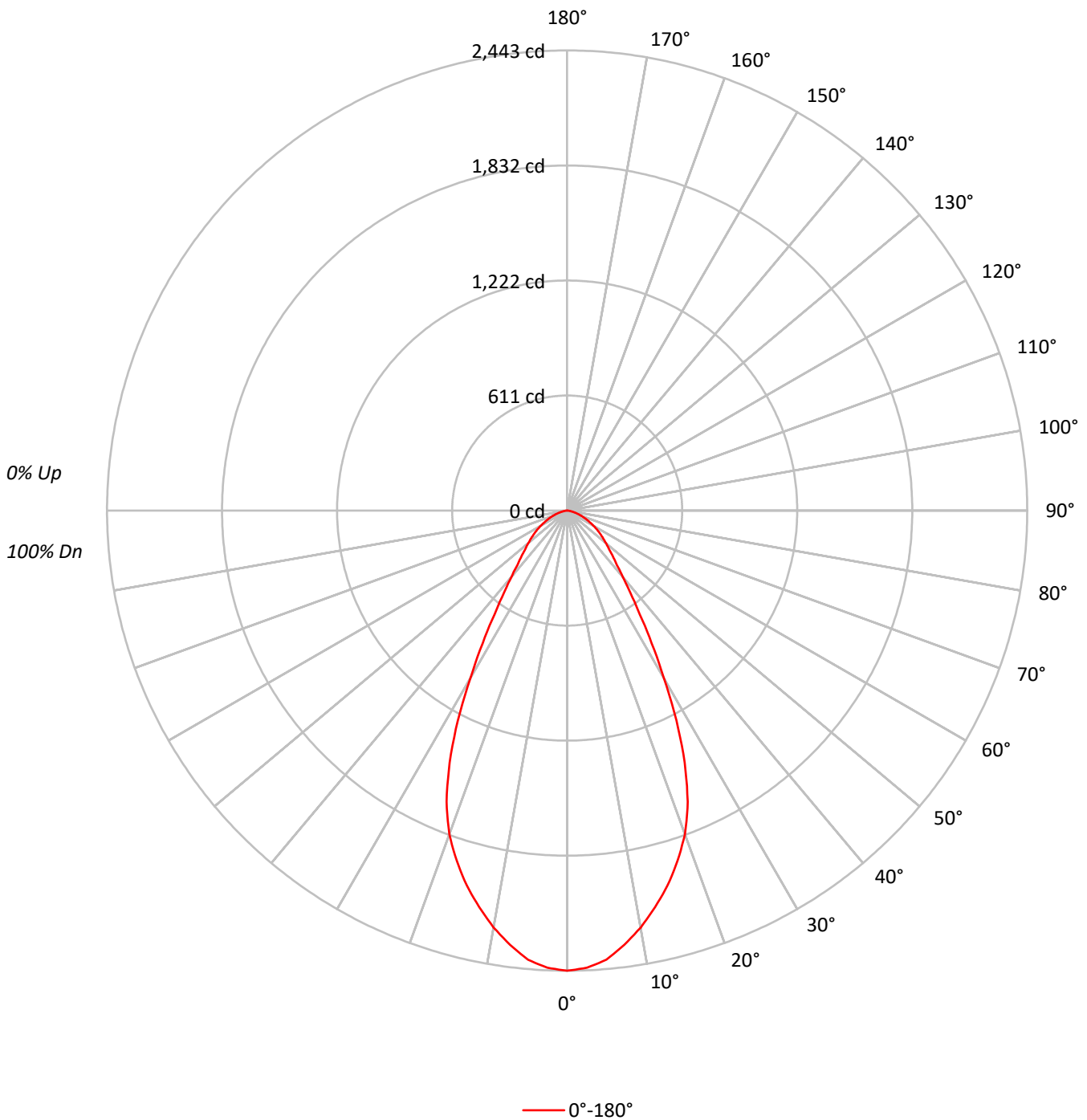
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365604

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR87

Luminous Intensity Polar Plot





TEST NUMBER: P365604

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR87

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	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174902
5°	172012
10°	163422
15°	152703
20°	139342
25°	116665
30°	84919
35°	58748
40°	42968
45°	34621
50°	29976
55°	26515
60°	23127
65°	19721
70°	16141
75°	12062
80°	8412
85°	7147



TEST NUMBER: P365604

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.5	8.8
10°-20°	575.4	22.7
20°-30°	664.2	26.3
30°-40°	433.1	17.1
40°-50°	268.9	10.6
50°-60°	190.9	7.5
60°-70°	116.1	4.6
70°-80°	48.1	1.9
80°-90°	9.9	0.4
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°	1463.1	57.8
0°-40°	1896.2	74.9
0°-60°	2356.0	93.1
0°-90°	2530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2530.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2443	
5°	2393	224
15°	2060	575
25°	1477	664
35°	672	433
45°	342	269
55°	212	191
65°	116	116
75°	44	48
85°	9	10
90°	0	



TEST NUMBER: P365604

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-MW-BTR87

CANDELA DISTRIBUTION (FULL):

	0°
0°	2442.7
2.5°	2429.6
5°	2393.2
7.5°	2324.8
10°	2247.7
12.5°	2156.1
15°	2060.0
17.5°	1949.5
20°	1828.7
22.5°	1673.1
25°	1476.7
27.5°	1257.0
30°	1027.1
32.5°	835.1
35°	672.1
37.5°	551.4
40°	459.7
42.5°	391.4
45°	341.9
47.5°	301.2
50°	269.1
52.5°	240.0
55°	212.4
57.5°	187.7
60°	161.5
62.5°	138.2
65°	116.4
67.5°	96.0
70°	77.1
72.5°	59.6
75°	43.6
77.5°	30.6
80°	20.4
82.5°	13.1
85°	8.7
87.5°	4.4
90°	0.0

(END OF REPORT)