

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: P364851

Luminaire Tested: **FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3245.9 lumens
Efficiency: N/A
Efficacy: 79.9 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

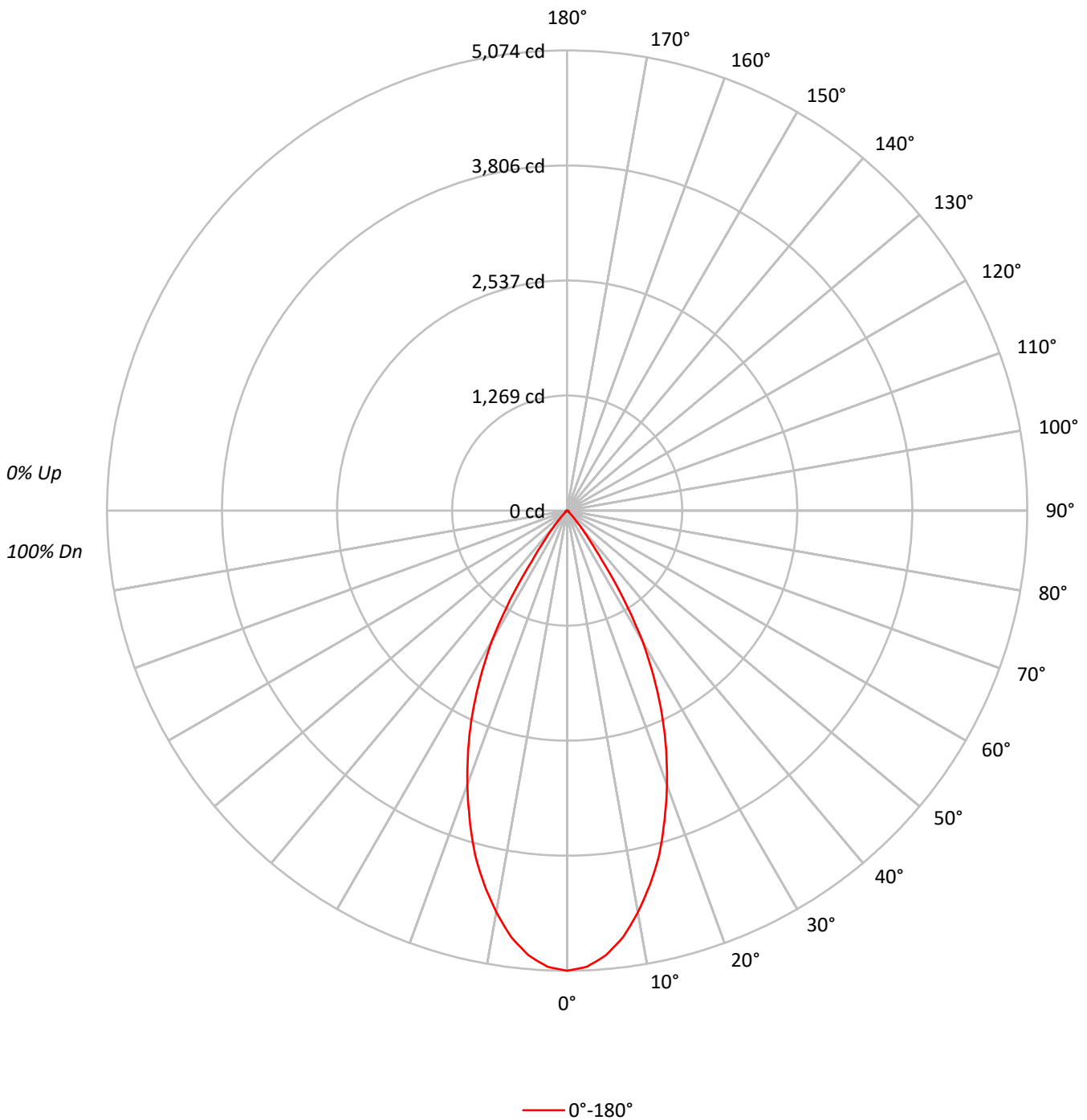
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364851

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P364851

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-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	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	90	102	96	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	78
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	77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
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°	363329
5°	353713
10°	326954
15°	291062
20°	245134
25°	195337
30°	136825
35°	57961
40°	20217
45°	5549
50°	2818
55°	2634
60°	2621
65°	2372
70°	2345
75°	3098
80°	4041
85°	5751



TEST NUMBER: P364851

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.3	14.1
10°-20°	1085.5	33.4
20°-30°	1116.6	34.4
30°-40°	476.9	14.7
40°-50°	59.5	1.8
50°-60°	19.0	0.6
60°-70°	14.1	0.4
70°-80°	11.3	0.3
80°-90°	6.7	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°	2658.4	81.9
0°-40°	3135.3	96.6
0°-60°	3213.9	99.0
0°-90°	3245.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3245.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5074	
5°	4921	456
15°	3926	1086
25°	2472	1117
35°	663	477
45°	55	60
55°	21	19
65°	14	14
75°	11	11
85°	7	7
90°	0	



TEST NUMBER: P364851

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8035-F6LBXVM1-LI-BTR94

CANDELA DISTRIBUTION (FULL):

	0°
0°	5074.3
2.5°	5033.5
5°	4921.2
7.5°	4741.3
10°	4496.9
12.5°	4224.4
15°	3926.5
17.5°	3572.5
20°	3217.1
22.5°	2851.8
25°	2472.5
27.5°	2072.1
30°	1654.9
32.5°	1175.9
35°	663.1
37.5°	379.3
40°	216.3
42.5°	112.4
45°	54.8
47.5°	29.5
50°	25.3
52.5°	22.5
55°	21.1
57.5°	19.7
60°	18.3
62.5°	15.5
65°	14.0
67.5°	12.6
70°	11.2
72.5°	11.2
75°	11.2
77.5°	9.8
80°	9.8
82.5°	8.4
85°	7.0
87.5°	4.2
90°	0.0

(END OF REPORT)