

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: P364869

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364869
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-FEU6B35-8040-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: 3280.1 lumens
Efficiency: N/A
Efficacy: 80.8 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

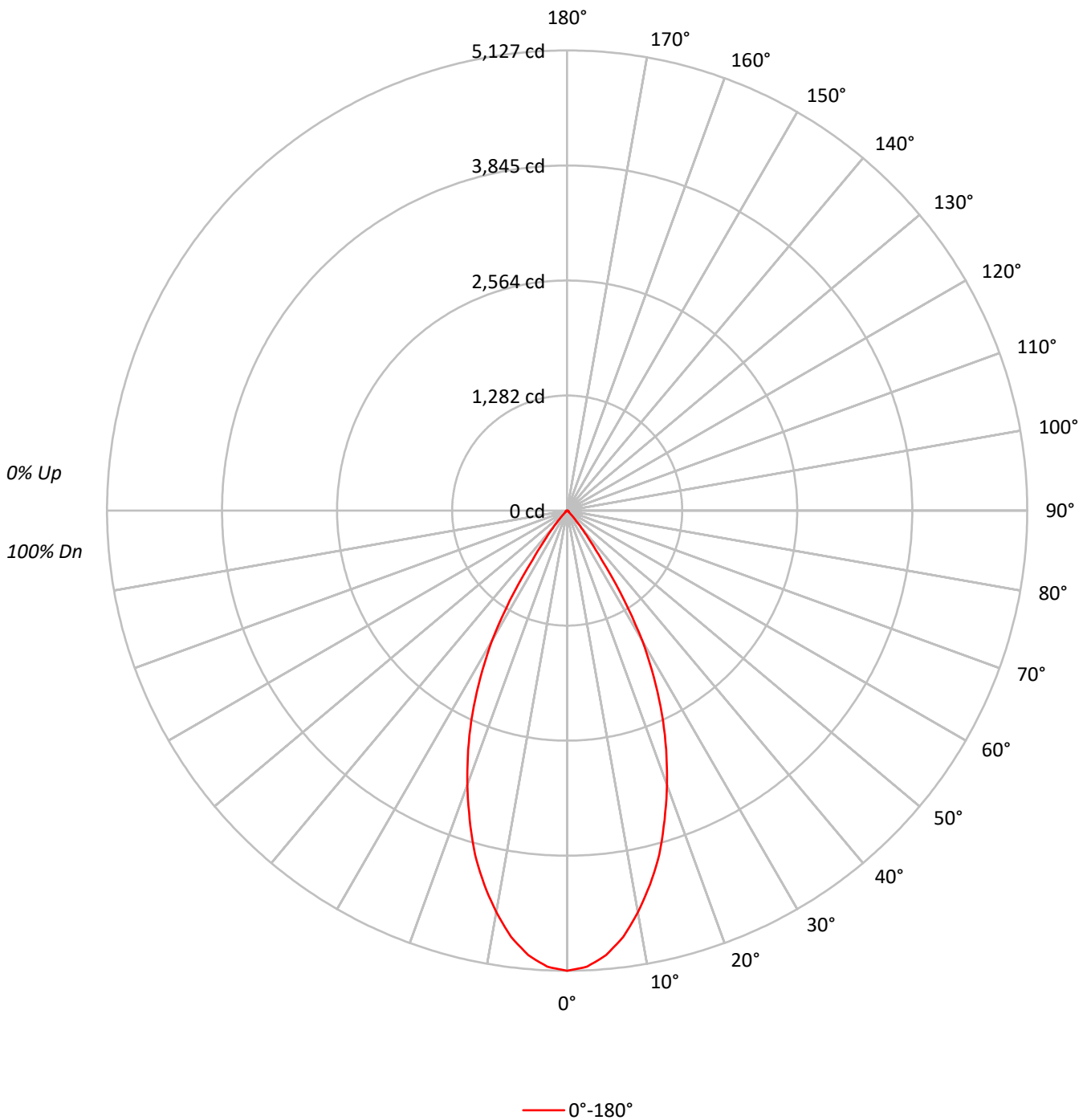
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364869

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

Luminous Intensity Polar Plot





TEST NUMBER: P364869

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8040-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°	367131
5°	357415
10°	330378
15°	294116
20°	247702
25°	197383
30°	138255
35°	58565
40°	20432
45°	5610
50°	2852
55°	2659
60°	2649
65°	2406
70°	2387
75°	3154
80°	4082
85°	5833



TEST NUMBER: P364869

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.1	14.1
10°-20°	1096.9	33.4
20°-30°	1128.3	34.4
30°-40°	481.9	14.7
40°-50°	60.2	1.8
50°-60°	19.2	0.6
60°-70°	14.2	0.4
70°-80°	11.5	0.3
80°-90°	6.8	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°	2686.3	81.9
0°-40°	3168.2	96.6
0°-60°	3247.6	99.0
0°-90°	3280.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3280.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5127	
5°	4973	461
15°	3968	1097
25°	2498	1128
35°	670	482
45°	55	60
55°	21	19
65°	14	14
75°	11	11
85°	7	7
90°	0	



TEST NUMBER: P364869

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	5127.4
2.5°	5086.3
5°	4972.7
7.5°	4791.0
10°	4544.0
12.5°	4268.6
15°	3967.7
17.5°	3609.9
20°	3250.8
22.5°	2881.7
25°	2498.4
27.5°	2093.8
30°	1672.2
32.5°	1188.2
35°	670.0
37.5°	383.3
40°	218.6
42.5°	113.6
45°	55.4
47.5°	29.8
50°	25.6
52.5°	22.7
55°	21.3
57.5°	19.9
60°	18.5
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°	9.9
82.5°	8.5
85°	7.1
87.5°	4.3
90°	0.0

(END OF REPORT)