

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: P366291

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366291
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-FEU6B35-8035-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: 3179.9 lumens
Efficiency: N/A
Efficacy: 78.3 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

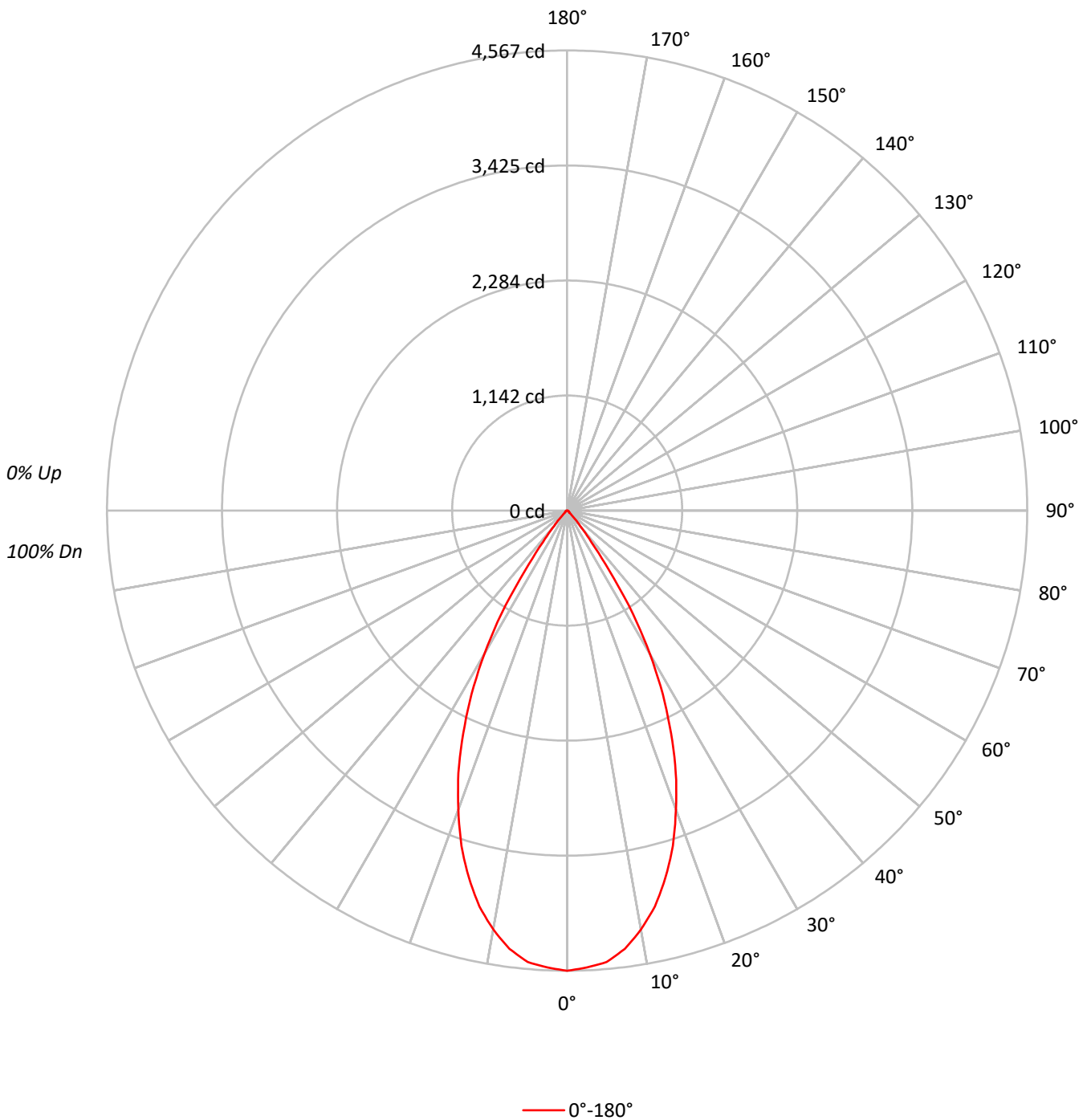
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	327027
5°	323331
10°	306952
15°	279536
20°	240569
25°	192730
30°	135973
35°	62979
40°	20479
45°	6541
50°	3130
55°	2809
60°	2621
65°	2372
70°	2345
75°	3098
80°	3464
85°	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.3	13.2
10°-20°	1045.8	32.9
20°-30°	1103.7	34.7
30°-40°	493.9	15.5
40°-50°	64.7	2.0
50°-60°	19.9	0.6
60°-70°	14.0	0.4
70°-80°	11.1	0.3
80°-90°	6.5	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°	2569.8	80.8
0°-40°	3063.7	96.3
0°-60°	3148.3	99.0
0°-90°	3179.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3179.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4567	
5°	4498	420
15°	3771	1046
25°	2440	1104
35°	720	494
45°	65	65
55°	22	20
65°	14	14
75°	11	11
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4567.3
2.5°	4537.8
5°	4498.5
7.5°	4387.5
10°	4221.8
12.5°	4023.8
15°	3771.0
17.5°	3490.1
20°	3157.2
22.5°	2818.7
25°	2439.5
27.5°	2056.1
30°	1644.6
32.5°	1219.1
35°	720.5
37.5°	391.8
40°	219.1
42.5°	122.2
45°	64.6
47.5°	33.7
50°	28.1
52.5°	23.9
55°	22.5
57.5°	19.7
60°	18.3
62.5°	15.4
65°	14.0
67.5°	12.6
70°	11.2
72.5°	11.2
75°	11.2
77.5°	9.8
80°	8.4
82.5°	8.4
85°	7.0
87.5°	4.2
90°	0.0

(END OF REPORT)