

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: P366327

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366327
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-FEU6B35-8050-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: 3291.0 lumens
Efficiency: N/A
Efficacy: 81.1 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

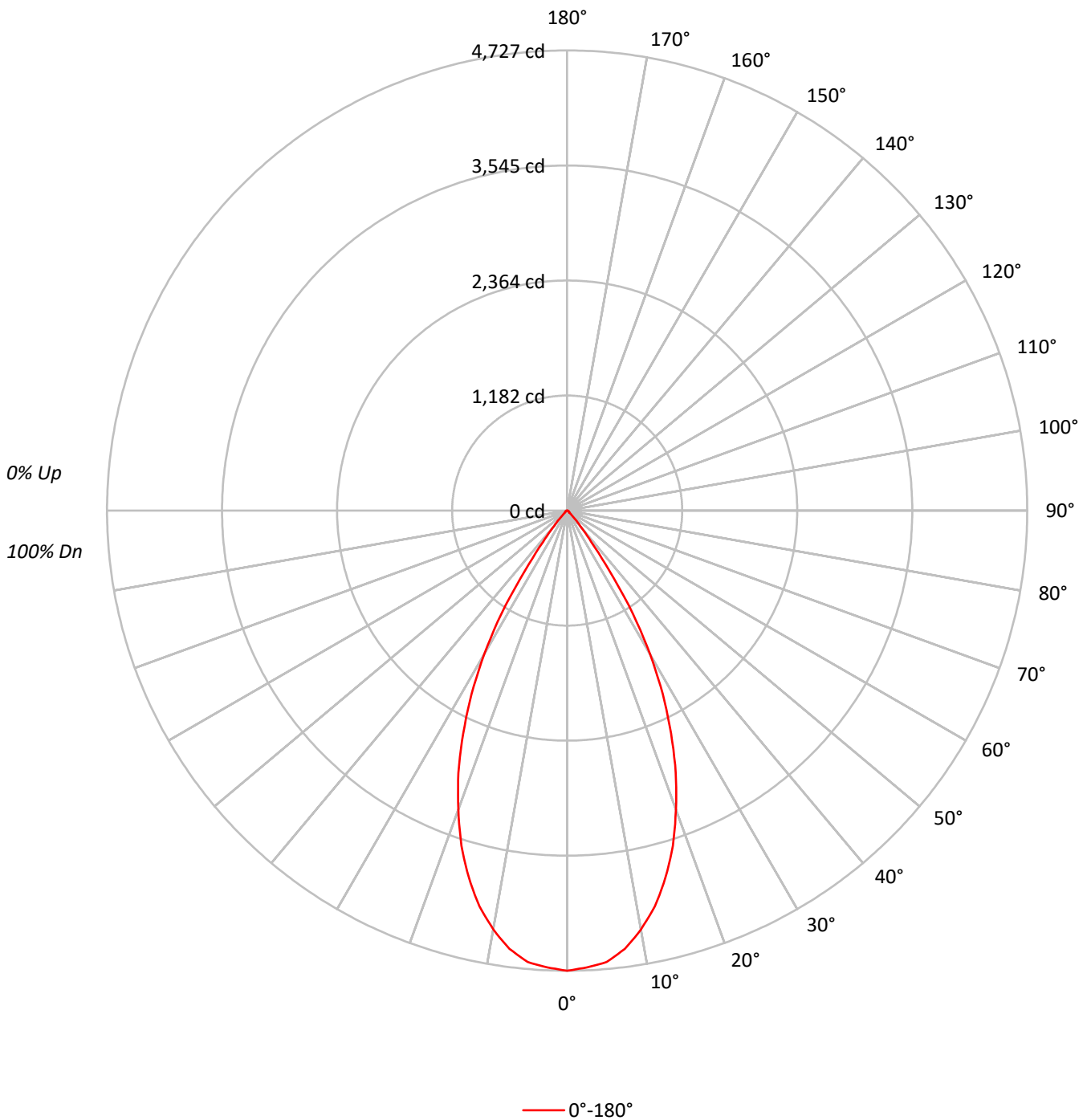
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	338440
5°	334616
10°	317669
15°	289291
20°	248966
25°	199461
30°	140719
35°	65173
40°	21190
45°	6774
50°	3242
55°	2909
60°	2707
65°	2457
70°	2428
75°	3209
80°	3587
85°	5997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.0	13.2
10°-20°	1082.3	32.9
20°-30°	1142.2	34.7
30°-40°	511.1	15.5
40°-50°	66.9	2.0
50°-60°	20.6	0.6
60°-70°	14.6	0.4
70°-80°	11.5	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°	2659.5	80.8
0°-40°	3170.6	96.3
0°-60°	3258.2	99.0
0°-90°	3291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3291.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4727	
5°	4656	435
15°	3903	1082
25°	2525	1142
35°	746	511
45°	67	67
55°	23	21
65°	14	15
75°	12	12
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4726.7
2.5°	4696.2
5°	4655.5
7.5°	4540.7
10°	4369.2
12.5°	4164.2
15°	3902.6
17.5°	3611.9
20°	3267.4
22.5°	2917.1
25°	2524.7
27.5°	2127.9
30°	1702.0
32.5°	1261.6
35°	745.6
37.5°	405.5
40°	226.7
42.5°	126.5
45°	66.9
47.5°	34.9
50°	29.1
52.5°	24.7
55°	23.3
57.5°	20.3
60°	18.9
62.5°	16.0
65°	14.5
67.5°	13.1
70°	11.6
72.5°	11.6
75°	11.6
77.5°	10.2
80°	8.7
82.5°	8.7
85°	7.3
87.5°	4.4
90°	0.0

(END OF REPORT)