

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: P366308

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-WMH-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3300.0 lumens
Efficiency: N/A
Efficacy: 81.3 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

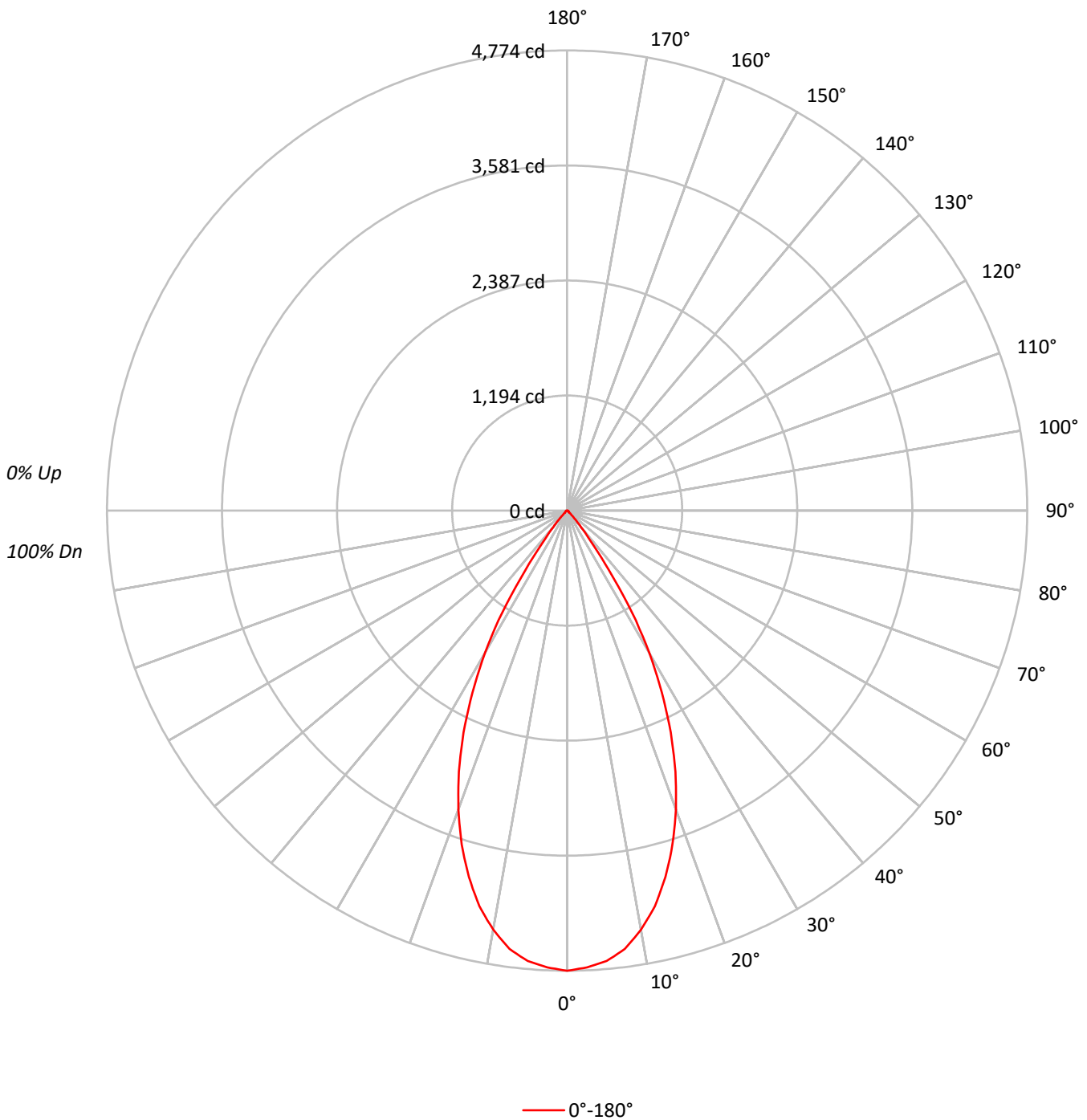
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	341827
5°	337210
10°	320984
15°	291796
20°	251268
25°	200860
30°	140843
35°	65514
40°	20704
45°	6471
50°	2852
55°	2659
60°	2434
65°	2169
70°	2387
75°	2739
80°	3505
85°	5833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.2	13.3
10°-20°	1091.5	33.1
20°-30°	1147.5	34.8
30°-40°	509.1	15.4
40°-50°	63.7	1.9
50°-60°	19.0	0.6
60°-70°	13.4	0.4
70°-80°	10.5	0.3
80°-90°	6.2	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°	2678.1	81.2
0°-40°	3187.2	96.6
0°-60°	3270.0	99.1
0°-90°	3300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3300.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4774	
5°	4692	439
15°	3936	1091
25°	2542	1147
35°	750	509
45°	64	64
55°	21	19
65°	13	13
75°	10	10
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4774.0
2.5°	4742.7
5°	4691.6
7.5°	4586.6
10°	4414.8
12.5°	4204.7
15°	3936.4
17.5°	3634.1
20°	3297.6
22.5°	2932.8
25°	2542.4
27.5°	2127.9
30°	1703.5
32.5°	1253.5
35°	749.5
37.5°	398.9
40°	221.5
42.5°	120.7
45°	63.9
47.5°	31.2
50°	25.6
52.5°	22.7
55°	21.3
57.5°	19.9
60°	17.0
62.5°	15.6
65°	12.8
67.5°	11.4
70°	11.4
72.5°	9.9
75°	9.9
77.5°	9.9
80°	8.5
82.5°	7.1
85°	7.1
87.5°	4.3
90°	0.0

(END OF REPORT)