

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: P365580

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2461.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

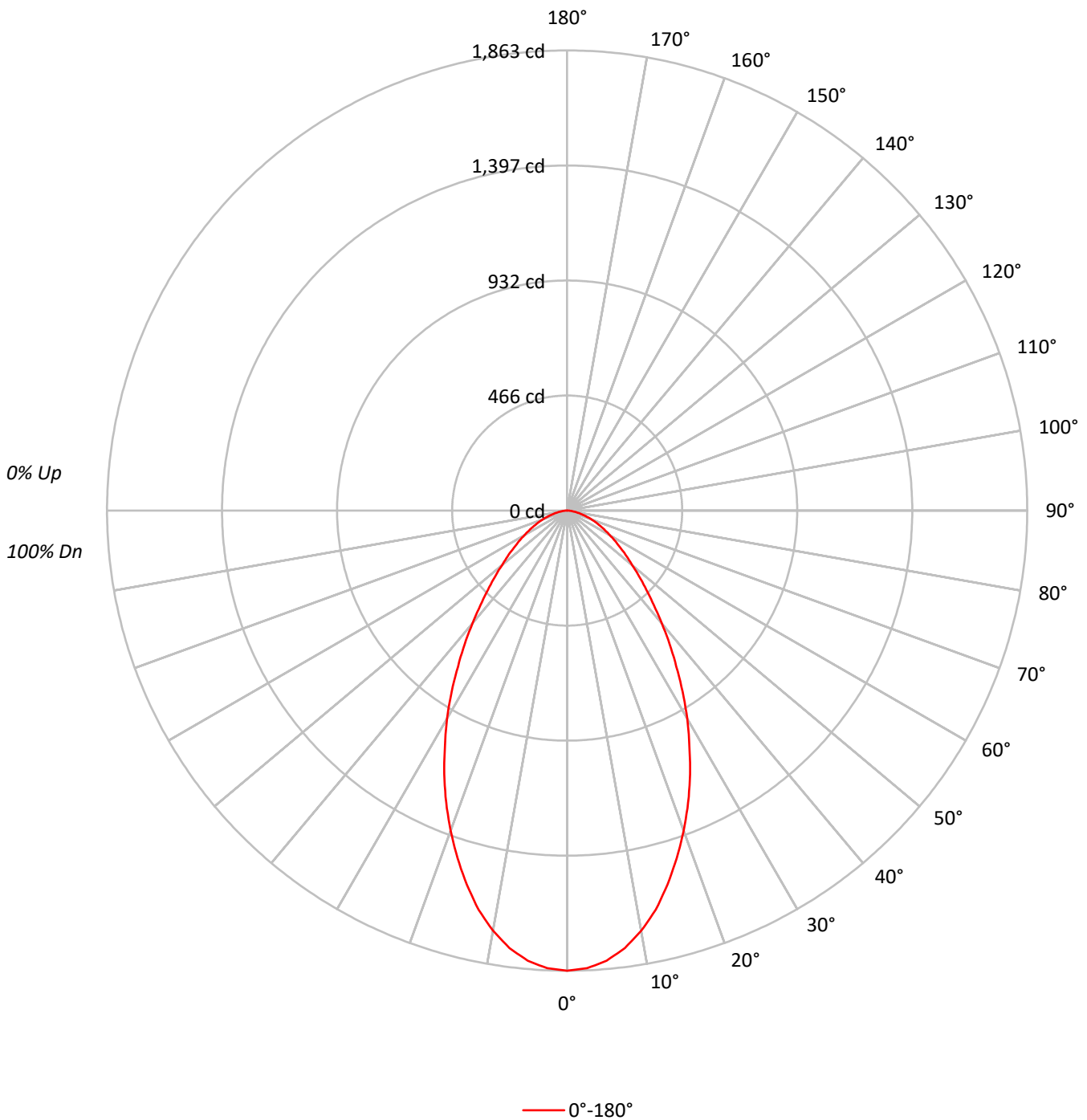
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133394
5°	131453
10°	125549
15°	116225
20°	105083
25°	93043
30°	80355
35°	67340
40°	55699
45°	45972
50°	38408
55°	32944
60°	28655
65°	25244
70°	21982
75°	18452
80°	15215
85°	11666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	7.0
10°-20°	438.0	17.8
20°-30°	538.8	21.9
30°-40°	483.1	19.6
40°-50°	353.5	14.4
50°-60°	239.0	9.7
60°-70°	148.5	6.0
70°-80°	71.8	2.9
80°-90°	17.0	0.7
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°	1148.1	46.7
0°-40°	1631.2	66.3
0°-60°	2223.7	90.4
0°-90°	2461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2461.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1863	
5°	1829	171
15°	1568	438
25°	1178	539
35°	770	483
45°	454	354
55°	264	239
65°	149	149
75°	67	72
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1863.0
2.5°	1854.5
5°	1828.9
7.5°	1786.4
10°	1726.8
12.5°	1655.8
15°	1567.9
17.5°	1475.6
20°	1379.1
22.5°	1279.8
25°	1177.7
27.5°	1071.2
30°	971.9
32.5°	869.8
35°	770.4
37.5°	681.1
40°	595.9
42.5°	519.3
45°	454.0
47.5°	395.9
50°	344.8
52.5°	303.6
55°	263.9
57.5°	231.3
60°	200.1
62.5°	173.1
65°	149.0
67.5°	126.3
70°	105.0
72.5°	85.1
75°	66.7
77.5°	49.7
80°	36.9
82.5°	24.1
85°	14.2
87.5°	5.7
90°	0.0

(END OF REPORT)