

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: PORTFOLIO

Report Number: P844495

Luminaire Tested: **LD6C40DE010B40 EU6C40B40 6LBMGPH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844495  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B40 EU6C40B40 6LBMGPH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

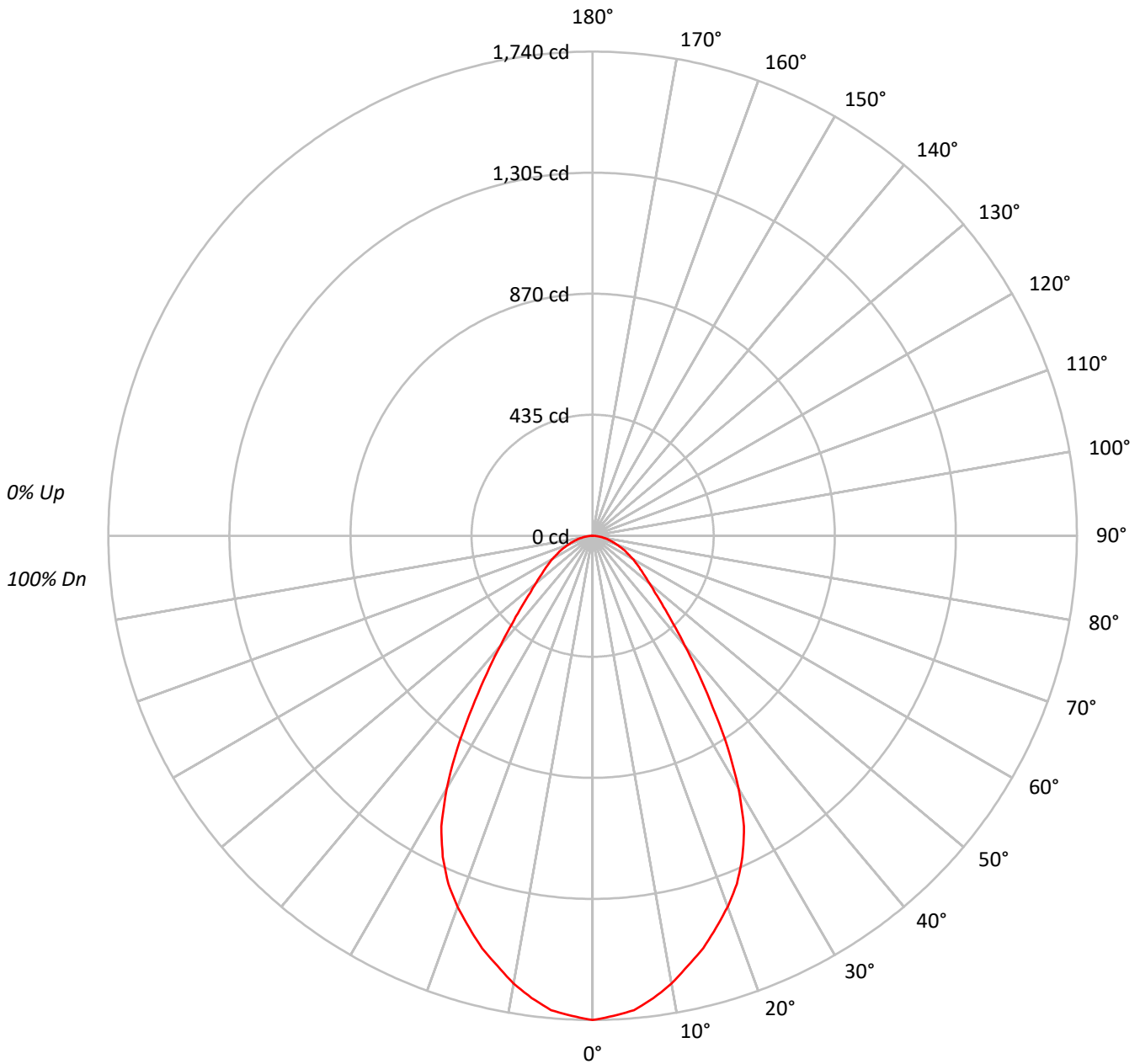
Lumens per Lamp: N/A  
Luminaire Lumens: 2332.2 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
Input Voltage (V):  
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	95393
5°	94161
10°	90952
15°	87078
20°	82753
25°	77043
30°	66371
35°	50373
40°	36826
45°	27925
50°	22780
55°	19985
60°	18332
65°	16694
70°	14954
75°	13619
80°	12186
85°	10127



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.7	6.9
10°-20°	430.6	18.5
20°-30°	578.1	24.8
30°-40°	474.2	20.3
40°-50°	284.8	12.2
50°-60°	189.3	8.1
60°-70°	126.9	5.4
70°-80°	68.3	2.9
80°-90°	19.3	0.8
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°	1169.4	50.1
0°-40°	1643.7	70.5
0°-60°	2117.7	90.8
0°-90°	2332.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2332.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1740	
5°	1711	161
15°	1534	431
25°	1274	578
35°	753	474
45°	360	285
55°	209	189
65°	129	127
75°	64	68
85°	16	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1740.1
2.5°	1727.2
5°	1711.1
7.5°	1675.8
10°	1633.9
12.5°	1582.4
15°	1534.3
17.5°	1476.4
20°	1418.5
22.5°	1354.2
25°	1273.7
27.5°	1177.3
30°	1048.5
32.5°	903.7
35°	752.7
37.5°	624.0
40°	514.6
42.5°	427.8
45°	360.2
47.5°	305.6
50°	267.1
52.5°	234.8
55°	209.1
57.5°	186.6
60°	167.2
62.5°	144.8
65°	128.7
67.5°	109.4
70°	93.3
72.5°	77.2
75°	64.3
77.5°	51.4
80°	38.6
82.5°	29.0
85°	16.1
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)