

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: P844472

Luminaire Tested: **LD6C40DE010B35 EU6C40B35 6LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B35 EU6C40B35 6LBCSMMS  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

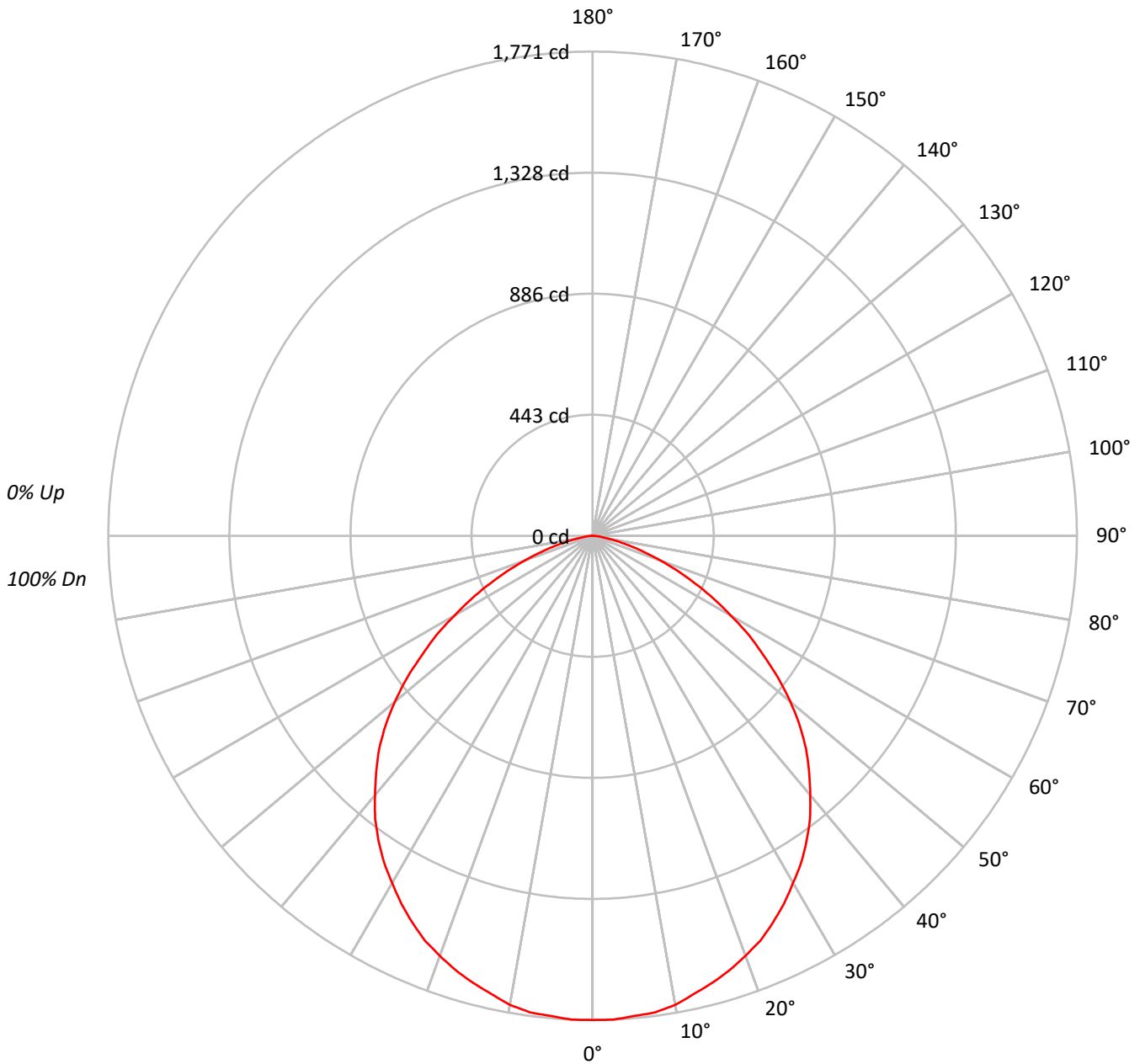
Lumens per Lamp: N/A  
Luminaire Lumens: 4336.3 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844472

CATALOG NUMBER: LD6C40DE010B35 EU6C40B35 6LBCSMMS

### Luminous Intensity Polar Plot





TEST NUMBER: P844472

CATALOG NUMBER: LD6C40DE010B35 EU6C40B35 6LBCSMMS

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

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

	0°
0°	97103
5°	97028
10°	96975
15°	96050
20°	95360
25°	94415
30°	92805
35°	91283
40°	88587
45°	85583
50°	80466
55°	72839
60°	63942
65°	53832
70°	42122
75°	29526
80°	16574
85°	11511



TEST NUMBER: P844472

CATALOG NUMBER: LD6C40DE010B35 EU6C40B35 6LBCSMMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.8	3.9
10°-20°	477.7	11.0
20°-30°	718.6	16.6
30°-40°	851.8	19.6
40°-50°	847.6	19.5
50°-60°	683.2	15.8
60°-70°	413.2	9.5
70°-80°	153.5	3.5
80°-90°	22.7	0.5
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°	1364.2	31.5
0°-40°	2215.9	51.1
0°-60°	3746.8	86.4
0°-90°	4336.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4336.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1771	
5°	1763	168
15°	1692	478
25°	1561	719
35°	1364	852
45°	1104	848
55°	762	683
65°	415	413
75°	139	154
85°	18	23
90°	0	



TEST NUMBER: P844472

CATALOG NUMBER: LD6C40DE010B35 EU6C40B35 6LBCSMMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1771.3
2.5°	1771.3
5°	1763.2
7.5°	1758.1
10°	1742.1
12.5°	1715.8
15°	1692.4
17.5°	1666.1
20°	1634.6
22.5°	1602.7
25°	1560.9
27.5°	1516.2
30°	1466.1
32.5°	1419.1
35°	1364.0
37.5°	1306.2
40°	1237.9
42.5°	1171.8
45°	1103.9
47.5°	1027.4
50°	943.5
52.5°	856.5
55°	762.1
57.5°	677.9
60°	583.2
62.5°	499.3
65°	415.0
67.5°	336.2
70°	262.8
72.5°	197.2
75°	139.4
77.5°	89.3
80°	52.5
82.5°	31.4
85°	18.3
87.5°	7.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)