

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: P844494

Luminaire Tested: **LD6C40DE010B40 EU6C40B40 6LBMB**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844494  
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 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

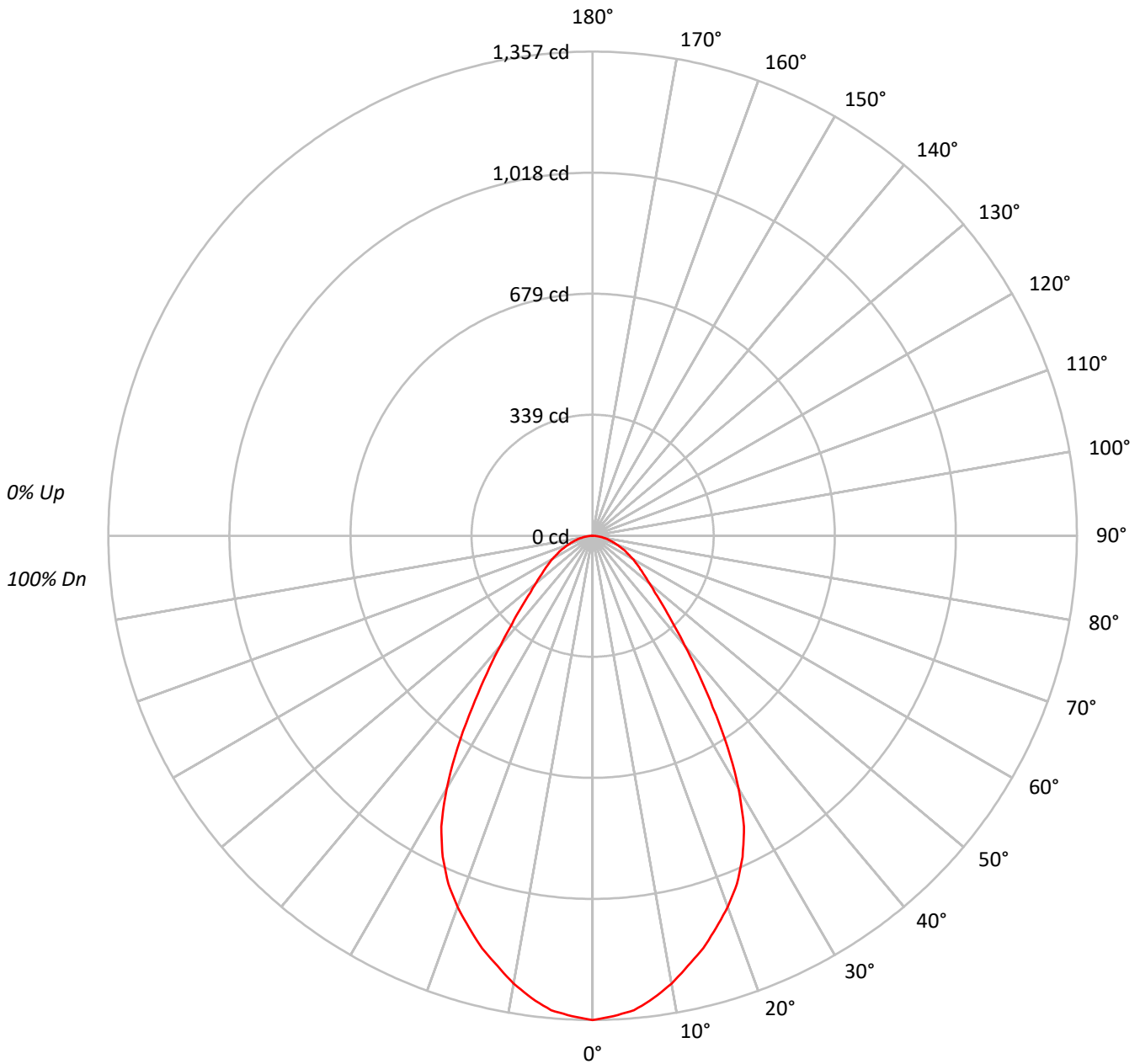
Lumens per Lamp: N/A  
Luminaire Lumens: 1819.1 lumens  
Efficiency: N/A  
Efficacy: 36.5 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844494

CATALOG NUMBER: LD6C40DE010B40 EU6C40B40 6LBMB

### Luminous Intensity Polar Plot





TEST NUMBER: P844494

CATALOG NUMBER: LD6C40DE010B40 EU6C40B40 6LBMB

**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°	74413
5°	73453
10°	70952
15°	67923
20°	64551
25°	60094
30°	51774
35°	39291
40°	28725
45°	21785
50°	17756
55°	15588
60°	14297
65°	13023
70°	11669
75°	10612
80°	9502
85°	7862



TEST NUMBER: P844494

CATALOG NUMBER: LD6C40DE010B40 EU6C40B40 6LBMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.4	6.9
10°-20°	335.9	18.5
20°-30°	451.0	24.8
30°-40°	369.9	20.3
40°-50°	222.1	12.2
50°-60°	147.6	8.1
60°-70°	99.0	5.4
70°-80°	53.2	2.9
80°-90°	15.0	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°	912.2	50.1
0°-40°	1282.1	70.5
0°-60°	1651.9	90.8
0°-90°	1819.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1819.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1357	
5°	1335	125
15°	1197	336
25°	994	451
35°	587	370
45°	281	222
55°	163	148
65°	100	99
75°	50	53
85°	12	15
90°	0	



TEST NUMBER: P844494

CATALOG NUMBER: LD6C40DE010B40 EU6C40B40 6LBMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1357.4
2.5°	1347.3
5°	1334.8
7.5°	1307.2
10°	1274.6
12.5°	1234.4
15°	1196.8
17.5°	1151.7
20°	1106.5
22.5°	1056.4
25°	993.5
27.5°	918.3
30°	817.9
32.5°	705.0
35°	587.1
37.5°	486.7
40°	401.4
42.5°	333.7
45°	281.0
47.5°	238.4
50°	208.2
52.5°	183.2
55°	163.1
57.5°	145.5
60°	130.4
62.5°	113.0
65°	100.4
67.5°	85.4
70°	72.8
72.5°	60.2
75°	50.1
77.5°	40.1
80°	30.1
82.5°	22.5
85°	12.5
87.5°	5.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)