

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: P844445

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBMH**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844445  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B2750 EU6C40B27 6LBMH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

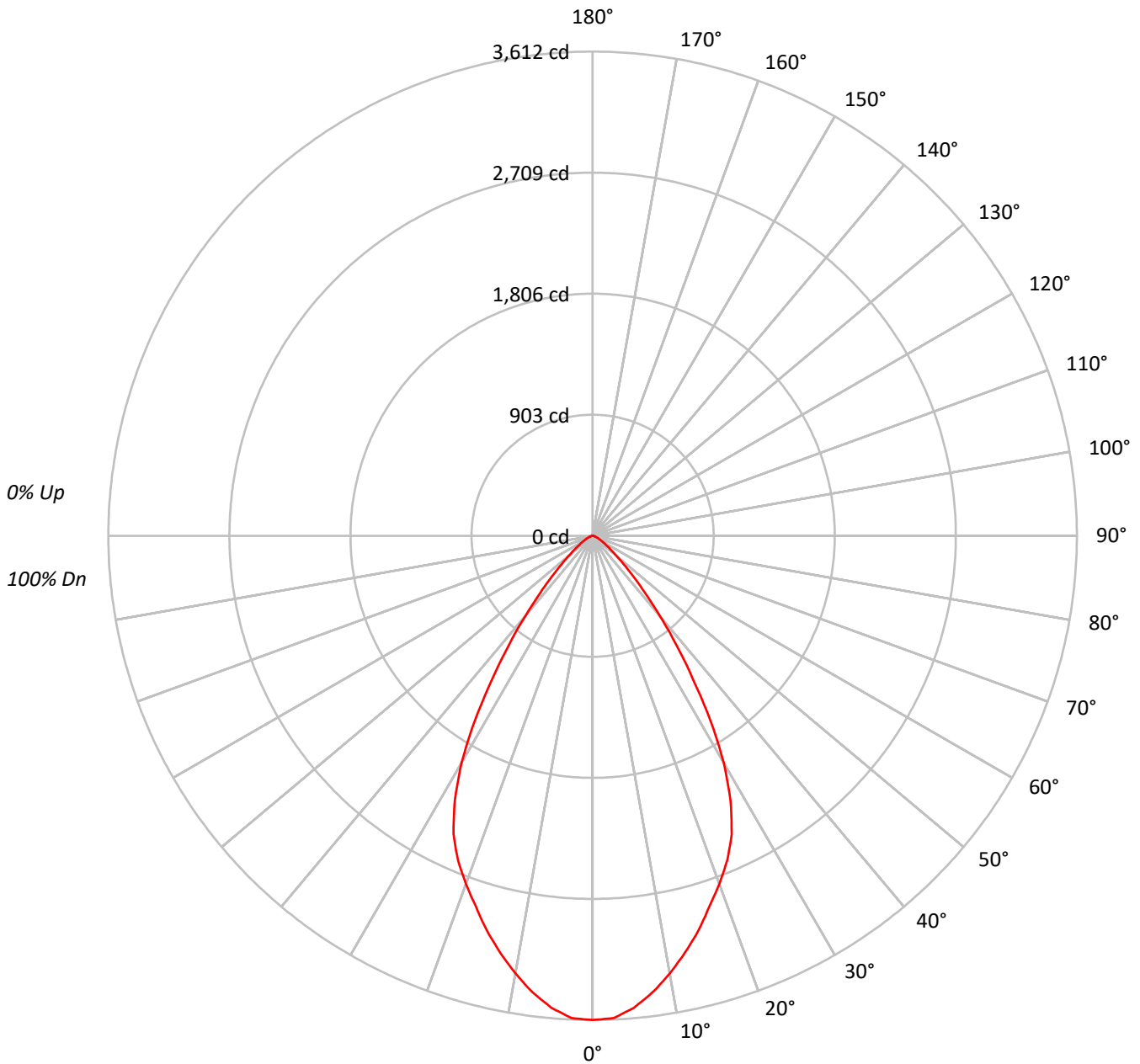
Lumens per Lamp: N/A  
Luminaire Lumens: 3650.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P844445

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B27 6LBMH

### Luminous Intensity Polar Plot





TEST NUMBER: P844445

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B27 6LBMH

**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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46

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

	0°
0°	198016
5°	194475
10°	184532
15°	173049
20°	161160
25°	148496
30°	123728
35°	87207
40°	55576
45°	33143
50°	19564
55°	12444
60°	8574
65°	6084
70°	4183
75°	3325
80°	1642
85°	0



TEST NUMBER: P844445

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B27 6LBMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.3	9.0
10°-20°	854.4	23.4
20°-30°	1107.1	30.3
30°-40°	821.9	22.5
40°-50°	347.0	9.5
50°-60°	123.2	3.4
60°-70°	47.6	1.3
70°-80°	16.5	0.5
80°-90°	2.1	0.1
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°	2291.7	62.8
0°-40°	3113.7	85.3
0°-60°	3583.8	98.2
0°-90°	3650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3650.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3612	
5°	3534	330
15°	3049	854
25°	2455	1107
35°	1303	822
45°	428	347
55°	130	123
65°	47	48
75°	16	16
85°	0	2
90°	0	



TEST NUMBER: P844445

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B27 6LBMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3612.1
2.5°	3601.7
5°	3534.0
7.5°	3434.8
10°	3315.0
12.5°	3184.6
15°	3049.1
17.5°	2898.0
20°	2762.5
22.5°	2621.8
25°	2455.0
27.5°	2225.6
30°	1954.6
32.5°	1636.6
35°	1303.1
37.5°	1021.7
40°	776.6
42.5°	578.5
45°	427.5
47.5°	312.7
50°	229.4
52.5°	172.0
55°	130.2
57.5°	99.0
60°	78.2
62.5°	57.4
65°	46.9
67.5°	36.4
70°	26.1
72.5°	20.7
75°	15.7
77.5°	10.5
80°	5.2
82.5°	5.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)