

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: P844444

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBMGPH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844444  
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: LD6C40DE010B2750 EU6C40B27 6LBMGPH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

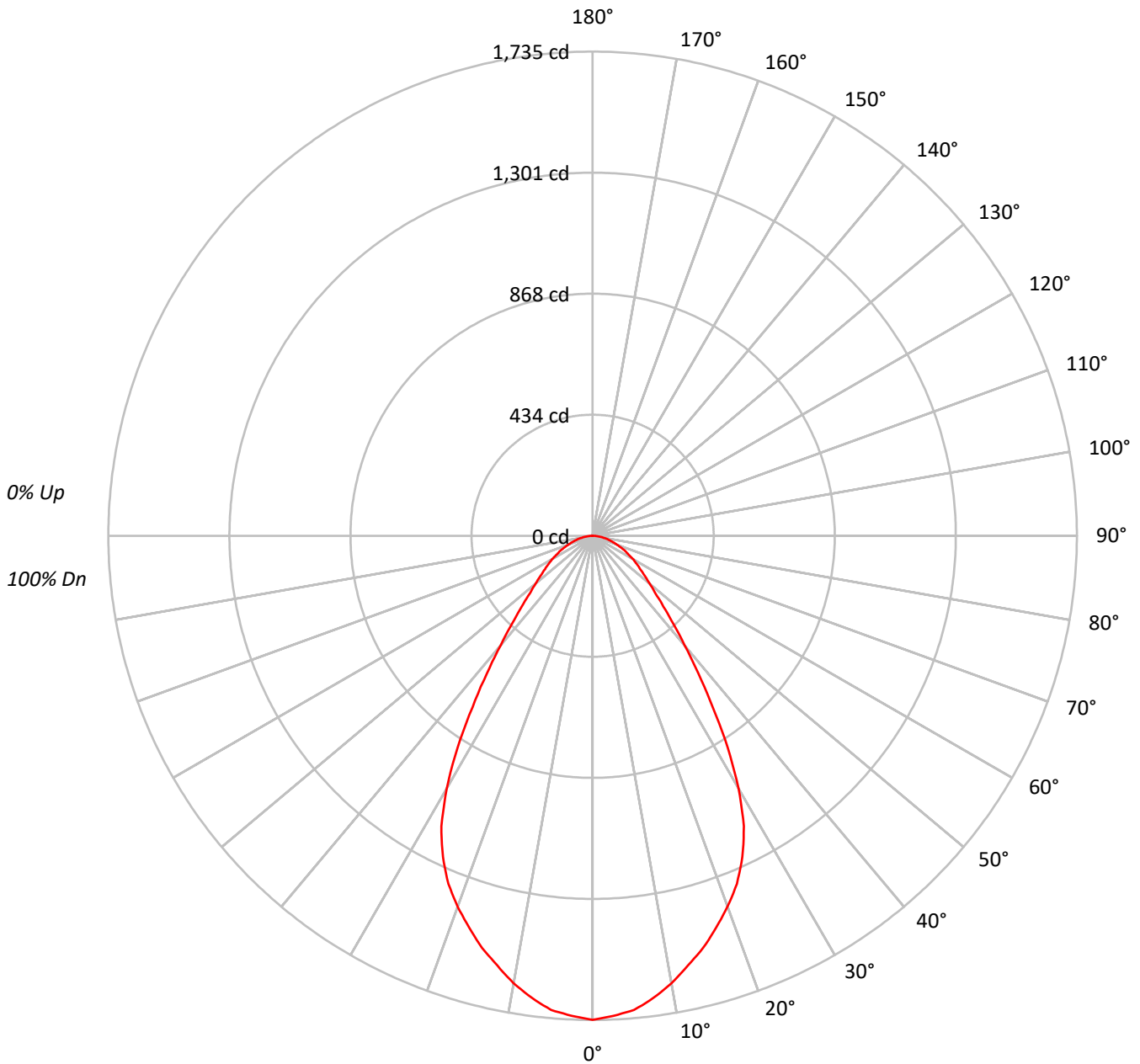
Lumens per Lamp: N/A  
Luminaire Lumens: 2324.7 lumens  
Efficiency: N/A  
Efficacy: 46.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	95091
5°	93869
10°	90669
15°	86800
20°	82491
25°	76801
30°	66168
35°	50212
40°	36712
45°	27840
50°	22703
55°	19918
60°	18277
65°	16643
70°	14906
75°	13577
80°	12154
85°	10064



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.2	6.9
10°-20°	429.2	18.5
20°-30°	576.3	24.8
30°-40°	472.7	20.3
40°-50°	283.9	12.2
50°-60°	188.6	8.1
60°-70°	126.5	5.4
70°-80°	68.0	2.9
80°-90°	19.2	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°	1165.8	50.1
0°-40°	1638.5	70.5
0°-60°	2111.0	90.8
0°-90°	2324.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2324.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1735	
5°	1706	160
15°	1529	429
25°	1270	576
35°	750	473
45°	359	284
55°	208	189
65°	128	126
75°	64	68
85°	16	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1734.6
2.5°	1721.7
5°	1705.8
7.5°	1670.4
10°	1628.8
12.5°	1577.5
15°	1529.4
17.5°	1471.7
20°	1414.0
22.5°	1349.9
25°	1269.7
27.5°	1173.6
30°	1045.3
32.5°	900.9
35°	750.3
37.5°	622.0
40°	513.0
42.5°	426.4
45°	359.1
47.5°	304.6
50°	266.2
52.5°	234.1
55°	208.4
57.5°	185.9
60°	166.7
62.5°	144.3
65°	128.3
67.5°	109.0
70°	93.0
72.5°	76.9
75°	64.1
77.5°	51.3
80°	38.5
82.5°	28.9
85°	16.0
87.5°	6.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)