

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: P844443

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844443  
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 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

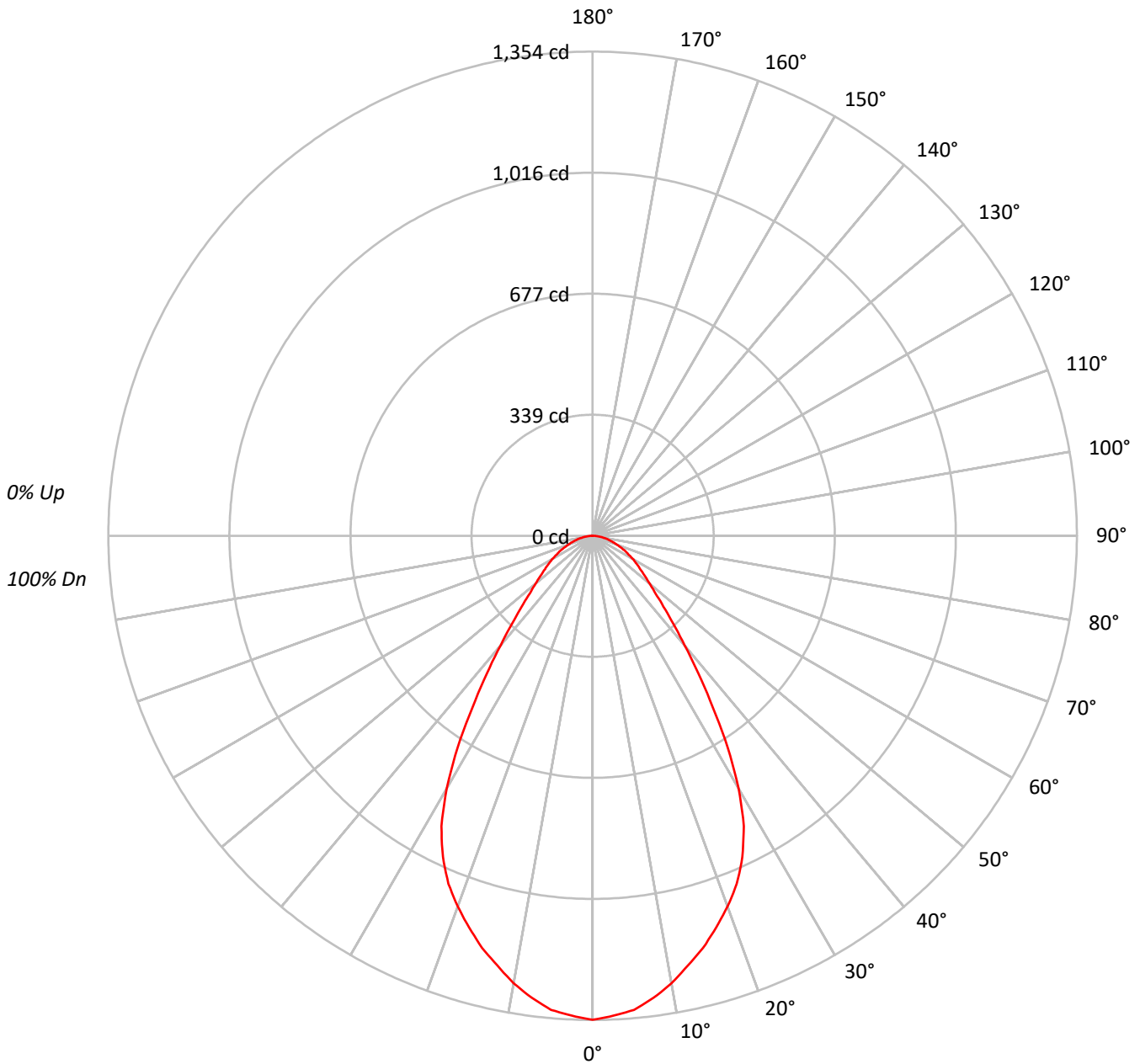
Lumens per Lamp: N/A  
Luminaire Lumens: 1813.8 lumens  
Efficiency: N/A  
Efficacy: 36.4 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	74199
5°	73239
10°	70746
15°	67725
20°	64359
25°	59925
30°	51622
35°	39177
40°	28639
45°	21723
50°	17714
55°	15541
60°	14264
65°	12985
70°	11637
75°	10590
80°	9471
85°	7862



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.0	6.9
10°-20°	334.9	18.5
20°-30°	449.7	24.8
30°-40°	368.8	20.3
40°-50°	221.5	12.2
50°-60°	147.2	8.1
60°-70°	98.6	5.4
70°-80°	53.1	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°	909.6	50.1
0°-40°	1278.4	70.5
0°-60°	1647.1	90.8
0°-90°	1813.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1813.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1354	
5°	1331	125
15°	1193	335
25°	991	450
35°	585	369
45°	280	222
55°	163	147
65°	100	99
75°	50	53
85°	12	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1353.5
2.5°	1343.4
5°	1330.9
7.5°	1303.4
10°	1270.9
12.5°	1230.8
15°	1193.3
17.5°	1148.3
20°	1103.2
22.5°	1053.3
25°	990.7
27.5°	915.6
30°	815.5
32.5°	702.9
35°	585.4
37.5°	485.3
40°	400.2
42.5°	332.7
45°	280.2
47.5°	237.7
50°	207.7
52.5°	182.7
55°	162.6
57.5°	145.1
60°	130.1
62.5°	112.5
65°	100.1
67.5°	85.0
70°	72.6
72.5°	60.1
75°	50.0
77.5°	40.0
80°	30.0
82.5°	22.5
85°	12.5
87.5°	5.0
90°	0.0



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— 0°-180°







(END OF REPORT)