

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: P844477

Luminaire Tested: **LD6C40DE010B2750 EU6C40B35 6LBMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844477  
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 EU6C40B35 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

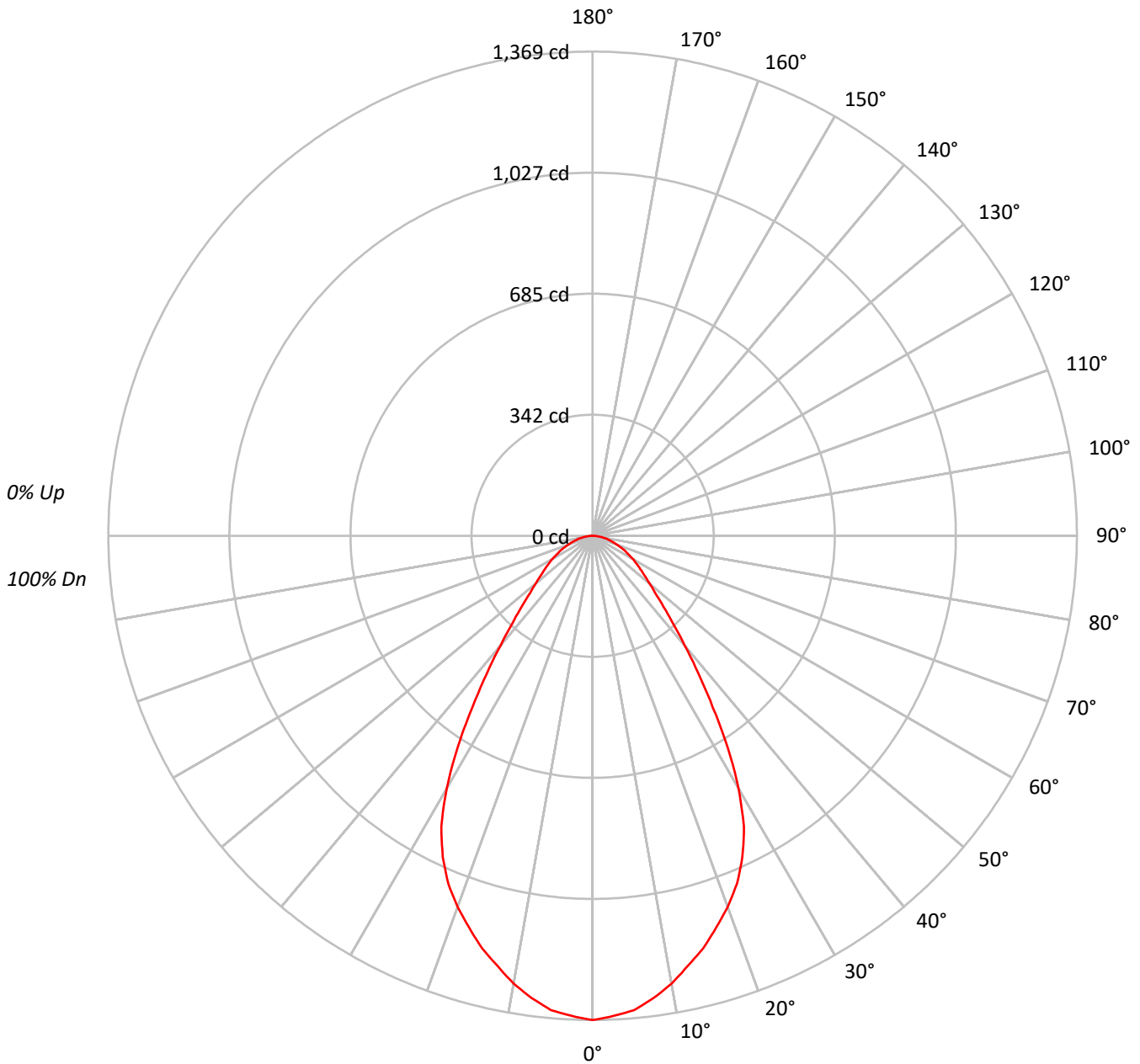
Lumens per Lamp: N/A  
Luminaire Lumens: 1835.0 lumens  
Efficiency: N/A  
Efficacy: 36.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
RC	80									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°	75060
5°	74097
10°	71570
15°	68519
20°	65111
25°	60620
30°	52230
35°	39639
40°	28983
45°	21971
50°	17910
55°	15722
60°	14429
65°	13127
70°	11765
75°	10718
80°	9597
85°	7925



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.5	6.9
10°-20°	338.8	18.5
20°-30°	454.9	24.8
30°-40°	373.2	20.3
40°-50°	224.1	12.2
50°-60°	148.9	8.1
60°-70°	99.8	5.4
70°-80°	53.7	2.9
80°-90°	15.1	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°	920.2	50.1
0°-40°	1293.4	70.5
0°-60°	1666.3	90.8
0°-90°	1835.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1835.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1369	
5°	1346	126
15°	1207	339
25°	1002	455
35°	592	373
45°	283	224
55°	164	149
65°	101	100
75°	51	54
85°	13	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1369.2
2.5°	1359.1
5°	1346.5
7.5°	1318.6
10°	1285.7
12.5°	1245.2
15°	1207.3
17.5°	1161.7
20°	1116.1
22.5°	1065.6
25°	1002.2
27.5°	926.3
30°	825.1
32.5°	711.2
35°	592.3
37.5°	491.0
40°	405.0
42.5°	336.6
45°	283.4
47.5°	240.4
50°	210.0
52.5°	184.8
55°	164.5
57.5°	146.8
60°	131.6
62.5°	113.9
65°	101.2
67.5°	86.1
70°	73.4
72.5°	60.7
75°	50.6
77.5°	40.5
80°	30.4
82.5°	22.7
85°	12.6
87.5°	5.1
90°	0.0



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— 0°-180°







(END OF REPORT)