

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: P844460

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844460  
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 EU6C40B30 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

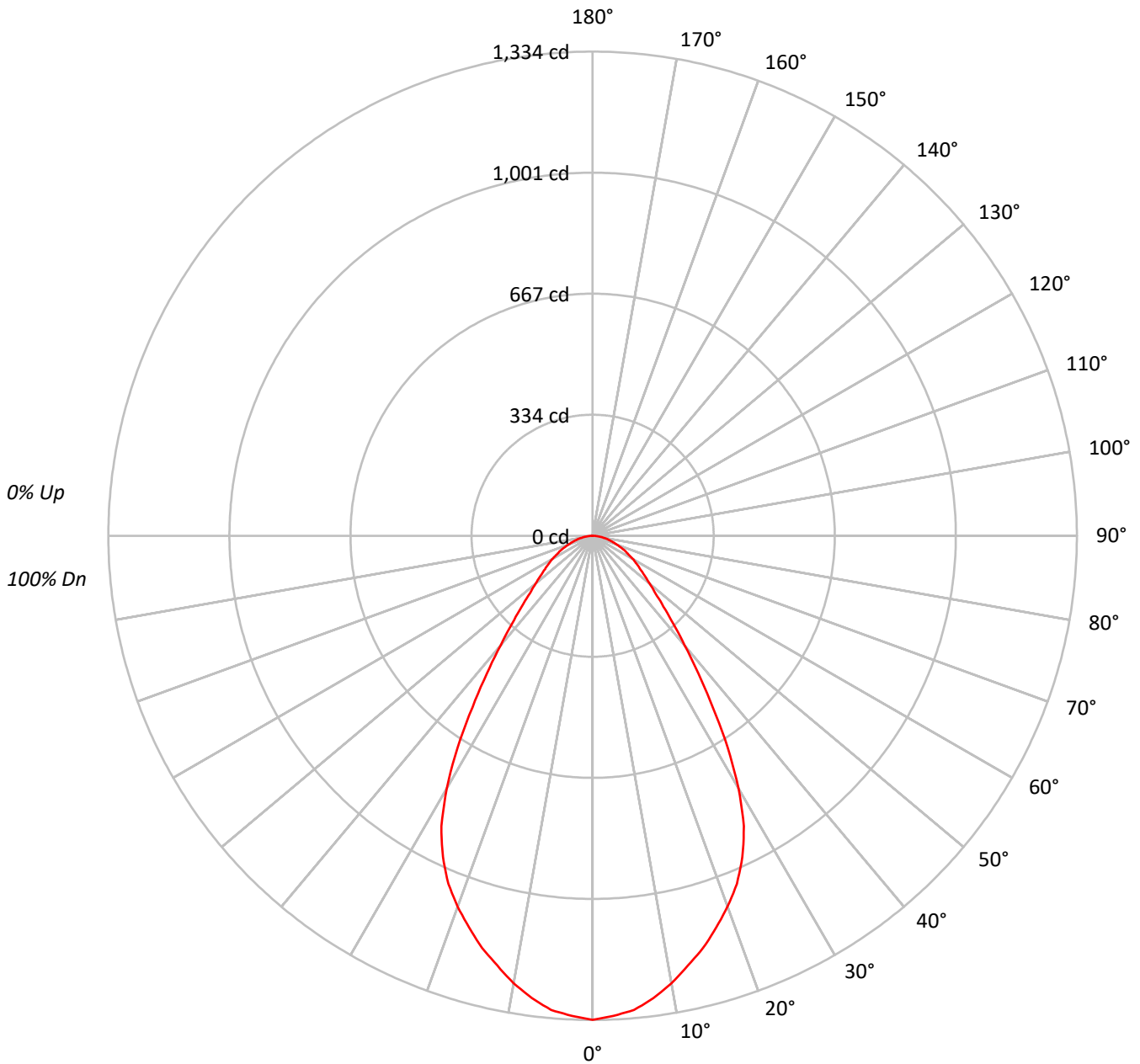
Lumens per Lamp: N/A  
Luminaire Lumens: 1787.5 lumens  
Efficiency: N/A  
Efficacy: 35.9 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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			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°	73114
5°	72171
10°	69710
15°	66743
20°	63420
25°	59048
30°	50875
35°	38608
40°	28224
45°	21405
50°	17458
55°	15311
60°	14056
65°	12803
70°	11460
75°	10442
80°	9345
85°	7737



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.2	6.9
10°-20°	330.0	18.5
20°-30°	443.1	24.8
30°-40°	363.5	20.3
40°-50°	218.3	12.2
50°-60°	145.1	8.1
60°-70°	97.3	5.4
70°-80°	52.3	2.9
80°-90°	14.8	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°	896.3	50.1
0°-40°	1259.8	70.5
0°-60°	1623.2	90.8
0°-90°	1787.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1787.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1334	
5°	1312	123
15°	1176	330
25°	976	443
35°	577	363
45°	276	218
55°	160	145
65°	99	97
75°	49	52
85°	12	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1333.7
2.5°	1323.8
5°	1311.5
7.5°	1284.4
10°	1252.3
12.5°	1212.9
15°	1176.0
17.5°	1131.6
20°	1087.1
22.5°	1037.9
25°	976.2
27.5°	902.3
30°	803.7
32.5°	692.8
35°	576.9
37.5°	478.3
40°	394.4
42.5°	327.9
45°	276.1
47.5°	234.2
50°	204.7
52.5°	180.0
55°	160.2
57.5°	143.0
60°	128.2
62.5°	110.9
65°	98.7
67.5°	83.9
70°	71.5
72.5°	59.1
75°	49.3
77.5°	39.4
80°	29.6
82.5°	22.2
85°	12.3
87.5°	5.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)