

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: P844506

Luminaire Tested: **LD6C40DE010B2750 EU6C40B50 6LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B2750 EU6C40B50 6LBCSMMS  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

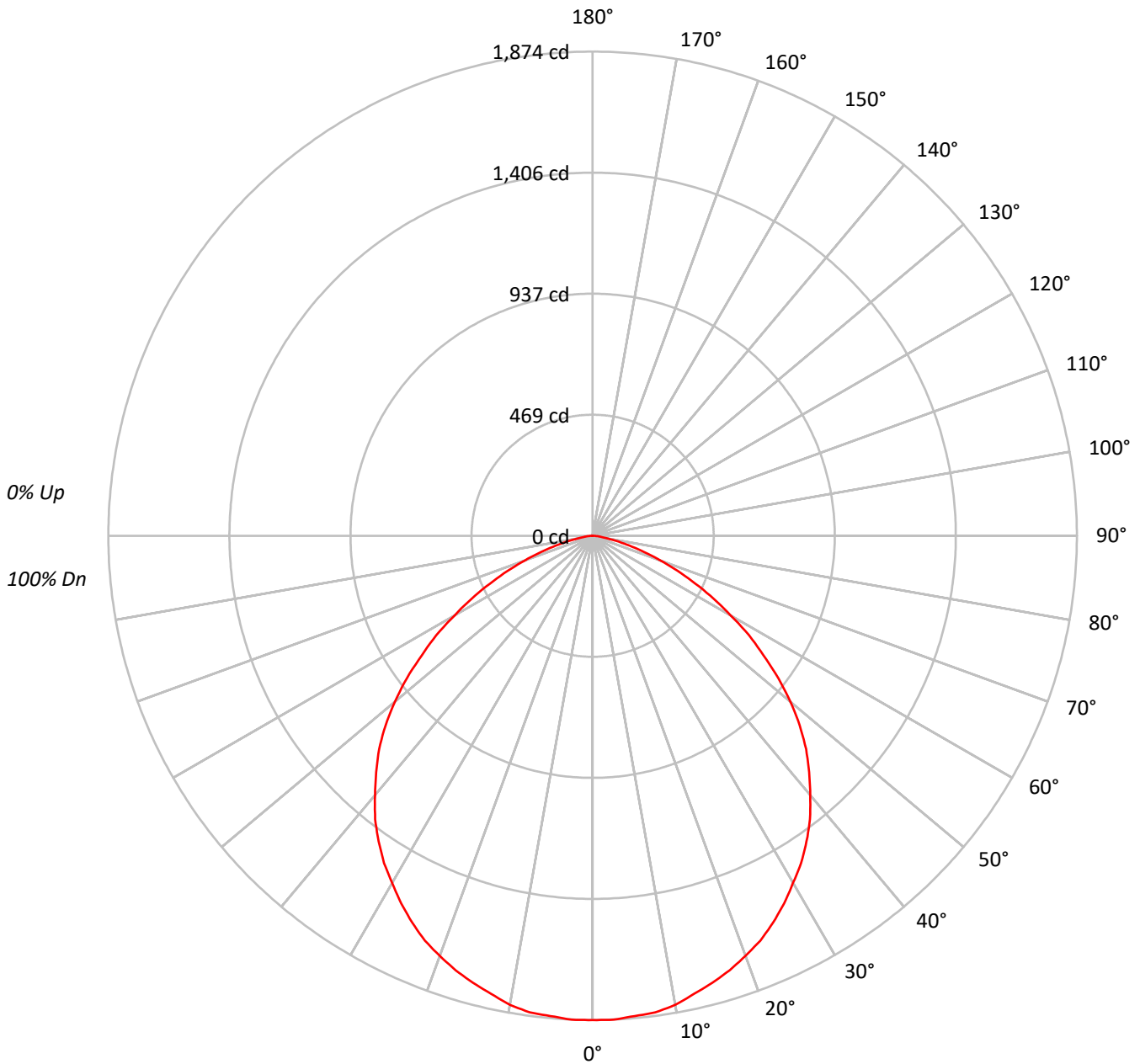
Lumens per Lamp: N/A  
Luminaire Lumens: 4589.1 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

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

	0°
0°	102760
5°	102680
10°	102631
15°	101652
20°	100920
25°	99913
30°	98211
35°	96603
40°	93747
45°	90568
50°	85157
55°	77092
60°	67659
65°	56971
70°	44591
75°	31242
80°	17490
85°	12202



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.6	3.9
10°-20°	505.6	11.0
20°-30°	760.5	16.6
30°-40°	901.4	19.6
40°-50°	897.0	19.5
50°-60°	723.1	15.8
60°-70°	437.4	9.5
70°-80°	162.5	3.5
80°-90°	24.1	0.5
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°	1443.7	31.5
0°-40°	2345.1	51.1
0°-60°	3965.1	86.4
0°-90°	4589.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4589.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1874	
5°	1866	178
15°	1791	506
25°	1652	760
35°	1444	901
45°	1168	897
55°	807	723
65°	439	437
75°	148	162
85°	19	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1874.5
2.5°	1874.5
5°	1865.9
7.5°	1860.6
10°	1843.7
12.5°	1815.7
15°	1791.1
17.5°	1763.2
20°	1729.9
22.5°	1696.2
25°	1651.8
27.5°	1604.5
30°	1551.5
32.5°	1501.8
35°	1443.5
37.5°	1382.3
40°	1310.0
42.5°	1240.1
45°	1168.2
47.5°	1087.2
50°	998.5
52.5°	906.5
55°	806.6
57.5°	717.4
60°	617.1
62.5°	528.4
65°	439.2
67.5°	355.9
70°	278.2
72.5°	208.8
75°	147.5
77.5°	94.6
80°	55.4
82.5°	33.3
85°	19.4
87.5°	8.2
90°	0.0



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— 0°-180°







(END OF REPORT)