

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: P844489

Luminaire Tested: **LD6C40DE010B2750 EU6C40B40 6LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844489  
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 EU6C40B40 6LBCSMMS  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

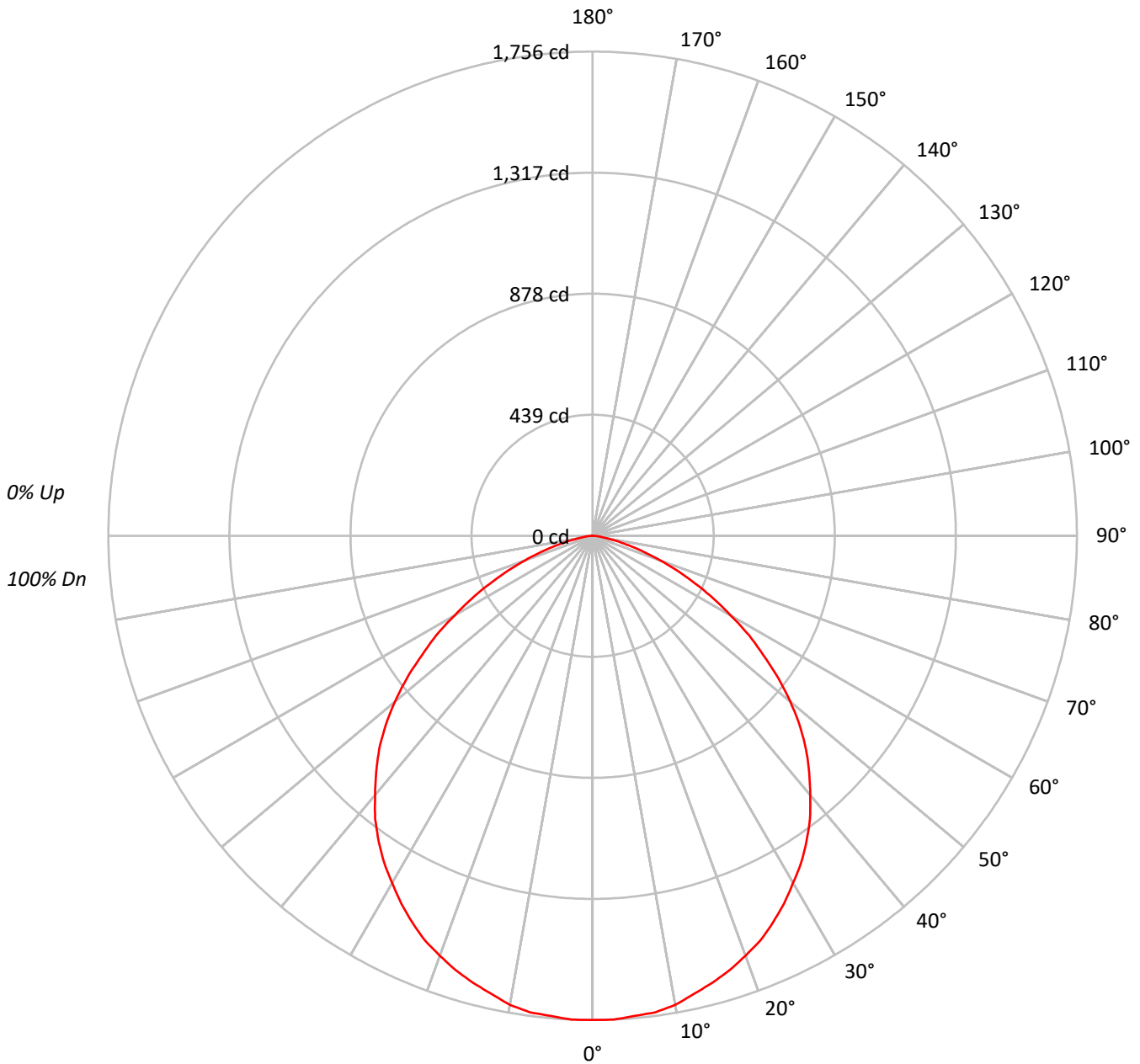
Lumens per Lamp: N/A  
Luminaire Lumens: 4299.3 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	96275
5°	96197
10°	96152
15°	95233
20°	94543
25°	93604
30°	92014
35°	90507
40°	87829
45°	84846
50°	79784
55°	72227
60°	63394
65°	53378
70°	41770
75°	29272
80°	16385
85°	11385



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.4	3.9
10°-20°	473.7	11.0
20°-30°	712.5	16.6
30°-40°	844.5	19.6
40°-50°	840.4	19.5
50°-60°	677.4	15.8
60°-70°	409.8	9.5
70°-80°	152.2	3.5
80°-90°	22.6	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°	1352.5	31.5
0°-40°	2197.0	51.1
0°-60°	3714.8	86.4
0°-90°	4299.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4299.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1756	
5°	1748	166
15°	1678	474
25°	1548	712
35°	1352	845
45°	1094	840
55°	756	677
65°	412	410
75°	138	152
85°	18	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1756.2
2.5°	1756.2
5°	1748.1
7.5°	1743.1
10°	1727.3
12.5°	1701.1
15°	1678.0
17.5°	1651.8
20°	1620.6
22.5°	1589.1
25°	1547.5
27.5°	1503.2
30°	1453.6
32.5°	1407.0
35°	1352.4
37.5°	1295.0
40°	1227.3
42.5°	1161.8
45°	1094.4
47.5°	1018.6
50°	935.5
52.5°	849.2
55°	755.7
57.5°	672.1
60°	578.2
62.5°	495.1
65°	411.5
67.5°	333.4
70°	260.6
72.5°	195.6
75°	138.2
77.5°	88.5
80°	51.9
82.5°	31.2
85°	18.1
87.5°	7.7
90°	0.0



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— 0°-180°







(END OF REPORT)