

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: P844455

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844455  
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 EU6C40B30 6LBCSMMS  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

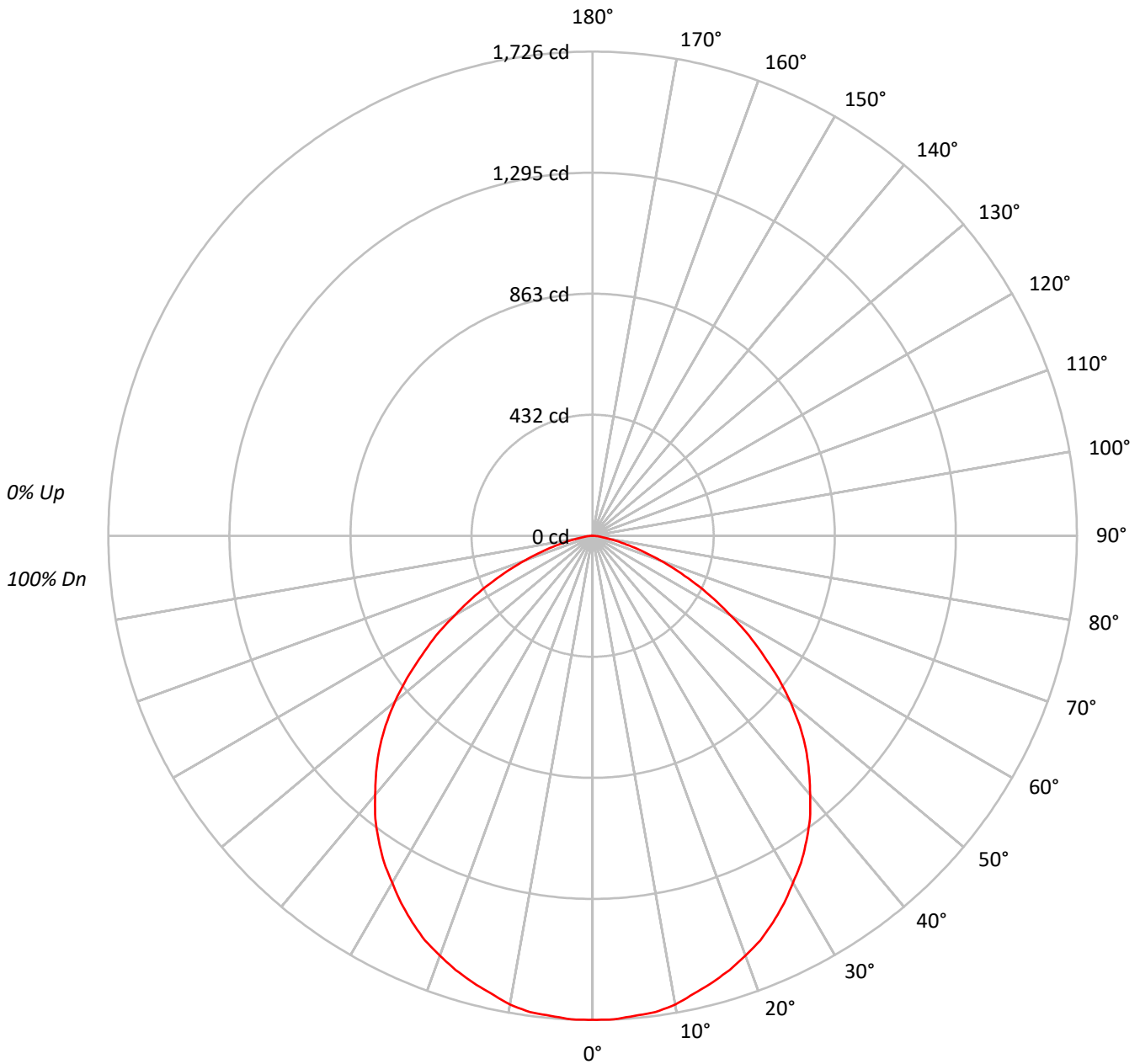
Lumens per Lamp: N/A  
Luminaire Lumens: 4224.2 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				
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°	94592
5°	94519
10°	94471
15°	93570
20°	92898
25°	91971
30°	90406
35°	88921
40°	86290
45°	83365
50°	78385
55°	70965
60°	62287
65°	52444
70°	41049
75°	28764
80°	16132
85°	11196



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.5	3.9
10°-20°	465.4	11.0
20°-30°	700.1	16.6
30°-40°	829.7	19.6
40°-50°	825.7	19.5
50°-60°	665.6	15.8
60°-70°	402.6	9.5
70°-80°	149.6	3.5
80°-90°	22.2	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°	1328.9	31.5
0°-40°	2158.6	51.1
0°-60°	3649.9	86.4
0°-90°	4224.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4224.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1726	
5°	1718	163
15°	1649	465
25°	1520	700
35°	1329	830
45°	1075	826
55°	742	666
65°	404	403
75°	136	150
85°	18	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1725.5
2.5°	1725.5
5°	1717.6
7.5°	1712.6
10°	1697.1
12.5°	1671.4
15°	1648.7
17.5°	1622.9
20°	1592.4
22.5°	1561.4
25°	1520.5
27.5°	1477.0
30°	1428.2
32.5°	1382.4
35°	1328.7
37.5°	1272.3
40°	1205.8
42.5°	1141.5
45°	1075.3
47.5°	1000.8
50°	919.1
52.5°	834.4
55°	742.5
57.5°	660.4
60°	568.1
62.5°	486.4
65°	404.3
67.5°	327.5
70°	256.1
72.5°	192.2
75°	135.8
77.5°	87.0
80°	51.1
82.5°	30.7
85°	17.8
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)