

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: P844490

Luminaire Tested: **LD6C40DE010B2750 EU6C40B40 6LBCSMW**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844490  
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 6LBSCMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

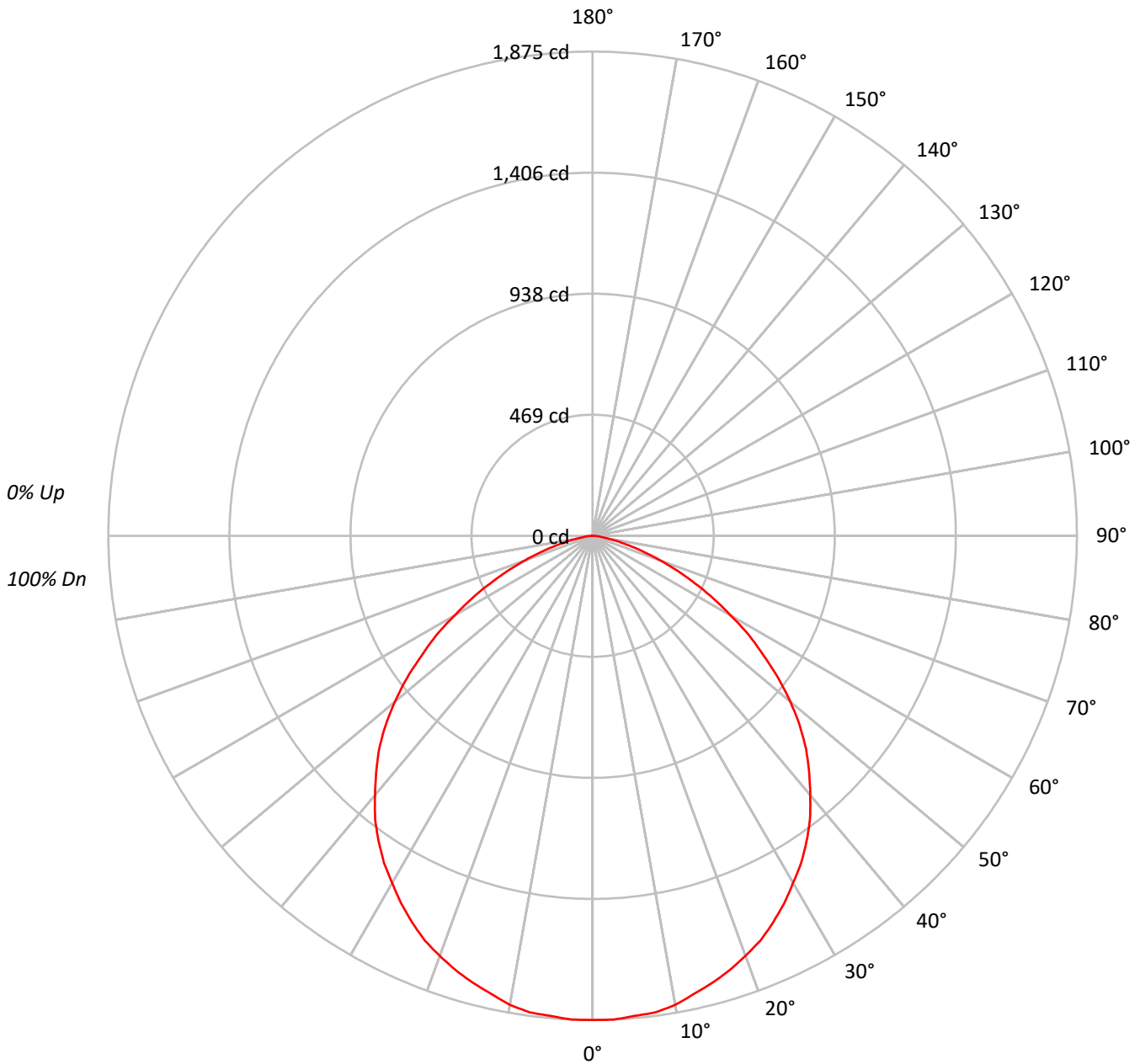
Lumens per Lamp: N/A  
Luminaire Lumens: 4591.2 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	102810
5°	102724
10°	102681
15°	101698
20°	100966
25°	99961
30°	98262
35°	96650
40°	93783
45°	90606
50°	85191
55°	77130
60°	67692
65°	56997
70°	44607
75°	31242
80°	17521
85°	12202



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.7	3.9
10°-20°	505.8	11.0
20°-30°	760.9	16.6
30°-40°	901.8	19.6
40°-50°	897.4	19.5
50°-60°	723.4	15.8
60°-70°	437.6	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°	1444.4	31.5
0°-40°	2346.2	51.1
0°-60°	3967.0	86.4
0°-90°	4591.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4591.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1875	
5°	1867	178
15°	1792	506
25°	1653	761
35°	1444	902
45°	1169	897
55°	807	723
65°	439	438
75°	148	163
85°	19	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1875.4
2.5°	1875.4
5°	1866.7
7.5°	1861.4
10°	1844.6
12.5°	1816.6
15°	1791.9
17.5°	1764.0
20°	1730.7
22.5°	1697.0
25°	1652.6
27.5°	1605.3
30°	1552.3
32.5°	1502.6
35°	1444.2
37.5°	1383.0
40°	1310.5
42.5°	1240.7
45°	1168.7
47.5°	1087.8
50°	998.9
52.5°	906.9
55°	807.0
57.5°	717.8
60°	617.4
62.5°	528.7
65°	439.4
67.5°	356.0
70°	278.3
72.5°	208.9
75°	147.5
77.5°	94.6
80°	55.5
82.5°	33.3
85°	19.4
87.5°	8.2
90°	0.0



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— 0°-180°







(END OF REPORT)