

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: P844513

Luminaire Tested: **LD6C40DE010B2750 EU6C40B50 6LBMH**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844513  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B2750 EU6C40B50 6LBMH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

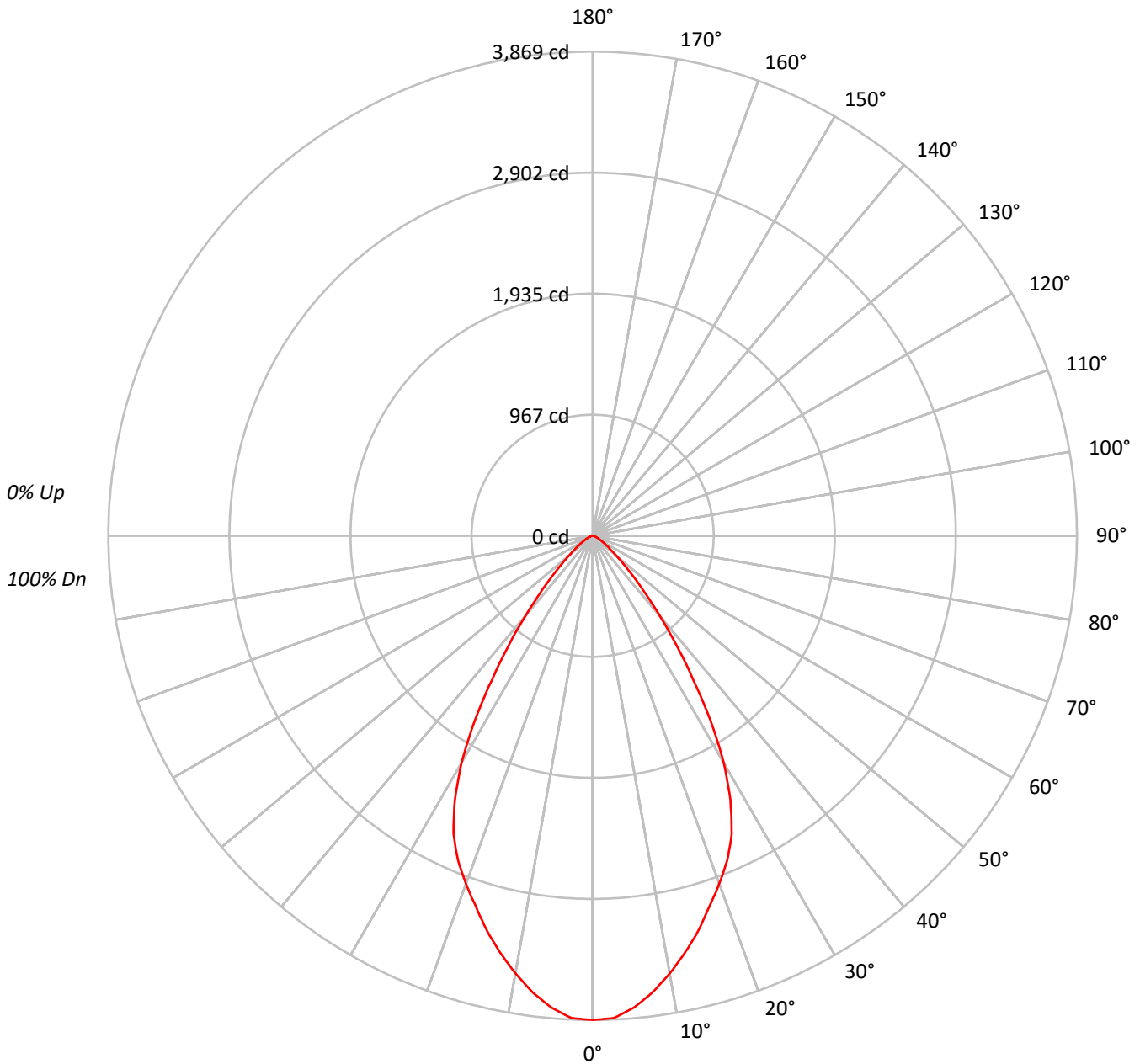
Lumens per Lamp: N/A  
Luminaire Lumens: 3909.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46

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

	0°
0°	212077
5°	208276
10°	197636
15°	185330
20°	172600
25°	159033
30°	132514
35°	93391
40°	59519
45°	35492
50°	20955
55°	13333
60°	9188
65°	6512
70°	4488
75°	3537
80°	1736
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.7	9.0
10°-20°	915.1	23.4
20°-30°	1185.7	30.3
30°-40°	880.2	22.5
40°-50°	371.6	9.5
50°-60°	132.0	3.4
60°-70°	50.9	1.3
70°-80°	17.6	0.5
80°-90°	2.2	0.1
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°	2454.4	62.8
0°-40°	3334.7	85.3
0°-60°	3838.2	98.2
0°-90°	3909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3909.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3869	
5°	3785	354
15°	3266	915
25°	2629	1186
35°	1396	880
45°	458	372
55°	140	132
65°	50	51
75°	17	18
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3868.6
2.5°	3857.3
5°	3784.8
7.5°	3678.7
10°	3550.4
12.5°	3410.8
15°	3265.5
17.5°	3103.8
20°	2958.6
22.5°	2807.9
25°	2629.2
27.5°	2383.6
30°	2093.4
32.5°	1752.7
35°	1395.5
37.5°	1094.1
40°	831.7
42.5°	619.6
45°	457.8
47.5°	335.0
50°	245.7
52.5°	184.2
55°	139.5
57.5°	106.0
60°	83.8
62.5°	61.4
65°	50.2
67.5°	39.0
70°	28.0
72.5°	22.2
75°	16.7
77.5°	11.2
80°	5.5
82.5°	5.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)