

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: P844512

Luminaire Tested: **LD6C40DE010B50 EU6C40B50 6LBMGPH**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B50 EU6C40B50 6LBMGPH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

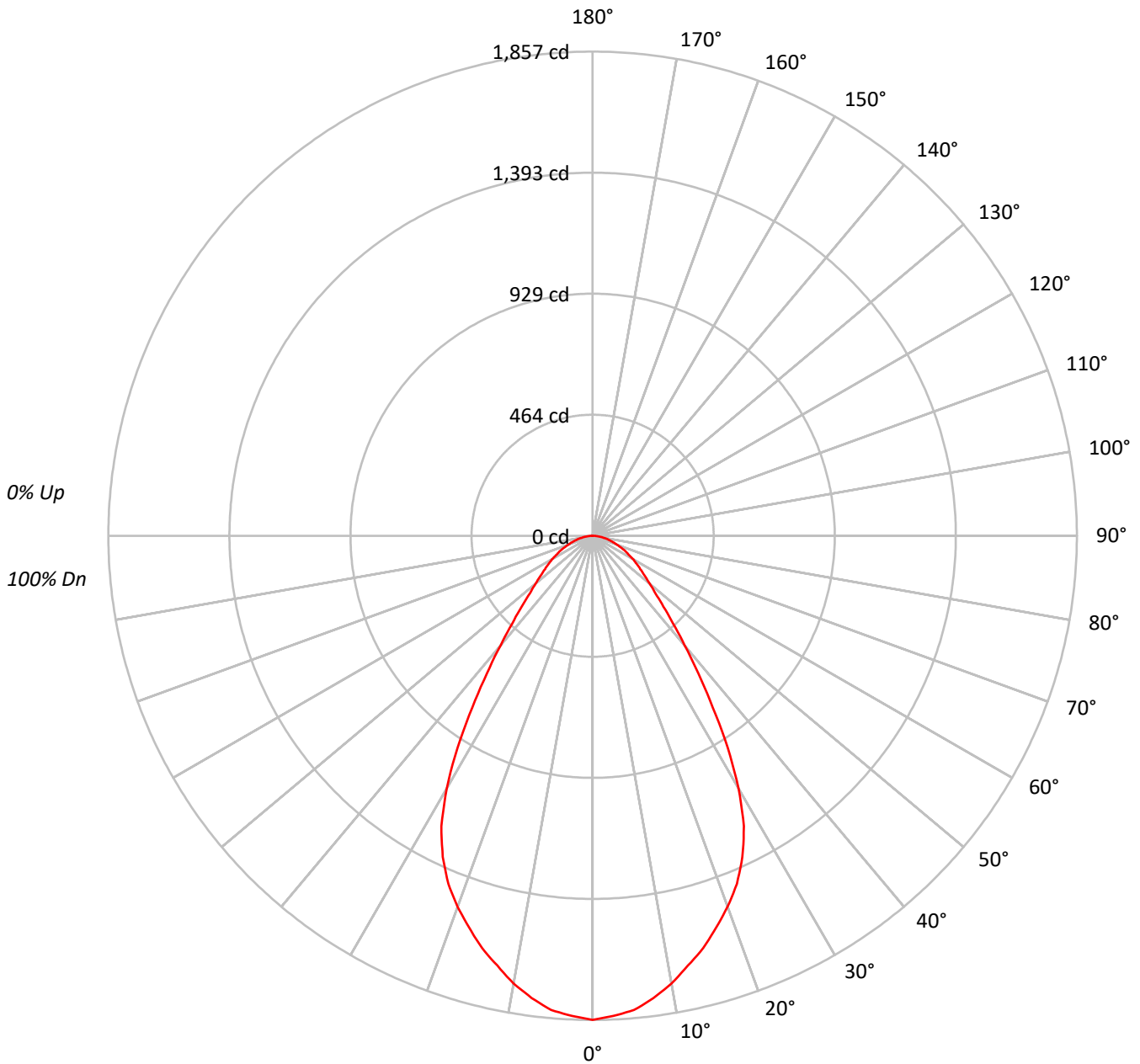
Lumens per Lamp: N/A  
Luminaire Lumens: 2488.6 lumens  
Efficiency: N/A  
Efficacy: 50.0 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
RC	80									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																			
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71																			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64																			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58																			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48																			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41																			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																			

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

	0°
0°	101796
5°	100484
10°	97059
15°	92923
20°	88307
25°	82220
30°	70827
35°	53753
40°	39295
45°	29802
50°	24298
55°	21323
60°	19560
65°	17810
70°	15948
75°	14530
80°	13007
85°	10756



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.5	6.9
10°-20°	459.5	18.5
20°-30°	616.9	24.8
30°-40°	506.1	20.3
40°-50°	303.9	12.2
50°-60°	201.9	8.1
60°-70°	135.4	5.4
70°-80°	72.8	2.9
80°-90°	20.5	0.8
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°	1247.9	50.1
0°-40°	1754.0	70.5
0°-60°	2259.8	90.8
0°-90°	2488.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2488.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1857	
5°	1826	172
15°	1637	459
25°	1359	617
35°	803	506
45°	384	304
55°	223	202
65°	137	135
75°	69	73
85°	17	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1856.9
2.5°	1843.1
5°	1826.0
7.5°	1788.2
10°	1743.6
12.5°	1688.7
15°	1637.3
17.5°	1575.5
20°	1513.7
22.5°	1445.0
25°	1359.3
27.5°	1256.3
30°	1118.9
32.5°	964.5
35°	803.2
37.5°	665.9
40°	549.1
42.5°	456.5
45°	384.4
47.5°	326.1
50°	284.9
52.5°	250.6
55°	223.1
57.5°	199.0
60°	178.4
62.5°	154.4
65°	137.3
67.5°	116.8
70°	99.5
72.5°	82.4
75°	68.6
77.5°	54.9
80°	41.2
82.5°	30.9
85°	17.1
87.5°	6.9
90°	0.0



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— 0°-180°







(END OF REPORT)