

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: P844520

Luminaire Tested: **LD6C40DE010B50 EU6C40B50 6LBWH**

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P844520  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B50 EU6C40B50 6LBWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

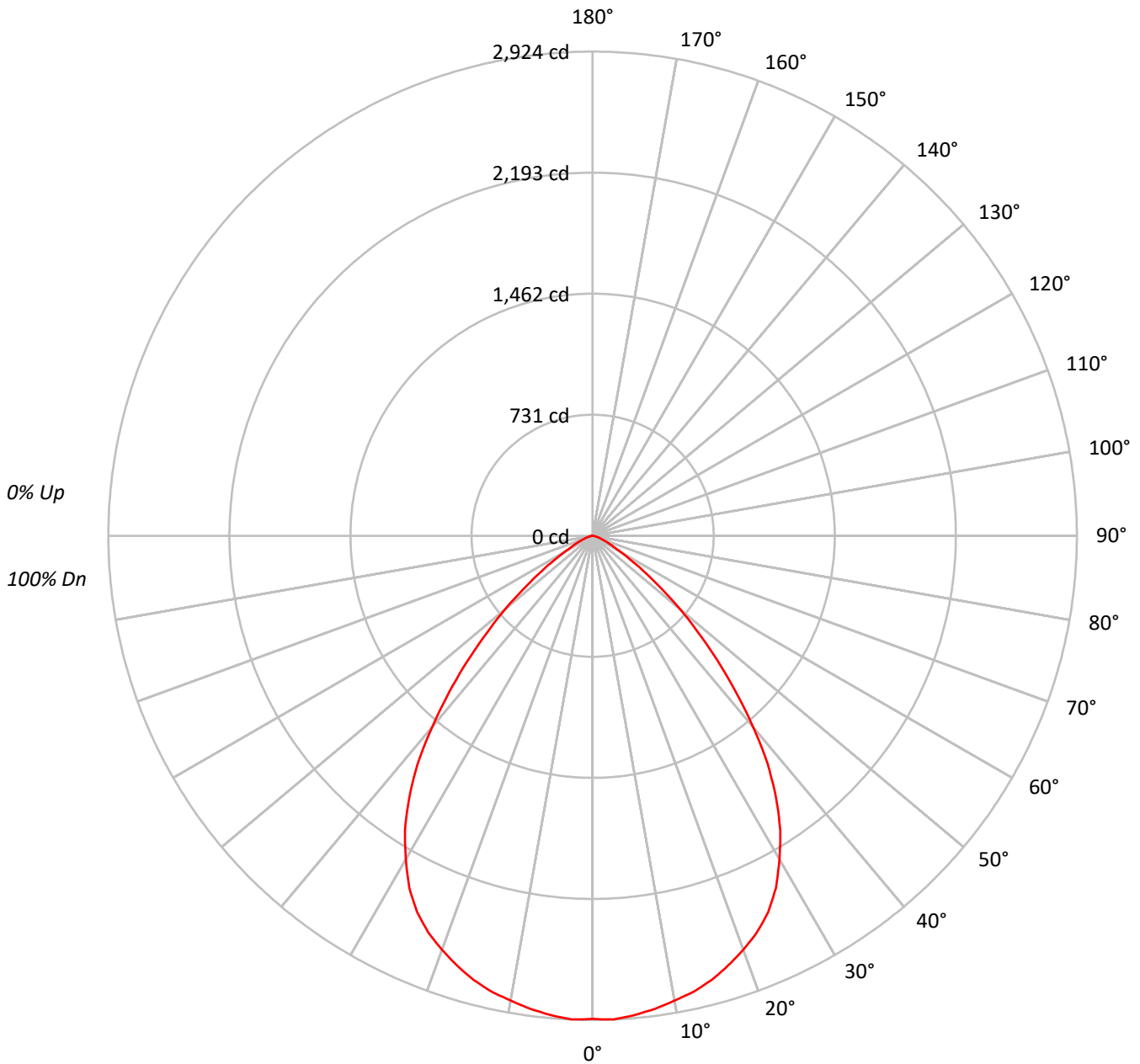
Lumens per Lamp: N/A  
Luminaire Lumens: 4730.8 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

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

	0°
0°	159954
5°	159894
10°	158664
15°	157600
20°	155203
25°	151654
30°	142794
35°	129228
40°	107909
45°	82683
50°	58557
55°	36911
60°	20832
65°	13529
70°	8832
75°	6503
80°	3915
85°	3837



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.6	5.8
10°-20°	782.0	16.5
20°-30°	1146.6	24.2
30°-40°	1193.3	25.2
40°-50°	825.6	17.5
50°-60°	359.5	7.6
60°-70°	110.2	2.3
70°-80°	33.1	0.7
80°-90°	5.0	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°	2204.1	46.6
0°-40°	3397.4	71.8
0°-60°	4582.5	96.9
0°-90°	4730.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4730.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2918	
5°	2906	276
15°	2777	782
25°	2507	1147
35°	1931	1193
45°	1066	826
55°	386	359
65°	104	110
75°	31	33
85°	6	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2917.8
2.5°	2923.9
5°	2905.6
7.5°	2881.2
10°	2850.3
12.5°	2819.8
15°	2776.9
17.5°	2721.7
20°	2660.4
22.5°	2593.0
25°	2507.2
27.5°	2396.8
30°	2255.8
32.5°	2108.6
35°	1931.0
37.5°	1734.9
40°	1507.9
42.5°	1281.2
45°	1066.5
47.5°	864.3
50°	686.6
52.5°	521.2
55°	386.2
57.5°	275.9
60°	190.0
62.5°	141.0
65°	104.3
67.5°	79.7
70°	55.1
72.5°	42.9
75°	30.7
77.5°	18.3
80°	12.4
82.5°	6.1
85°	6.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)