

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: P844504

Luminaire Tested: **LD6C40DE010B2750 EU6C40B40 6LBWLI**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844504  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B2750 EU6C40B40 6LBWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

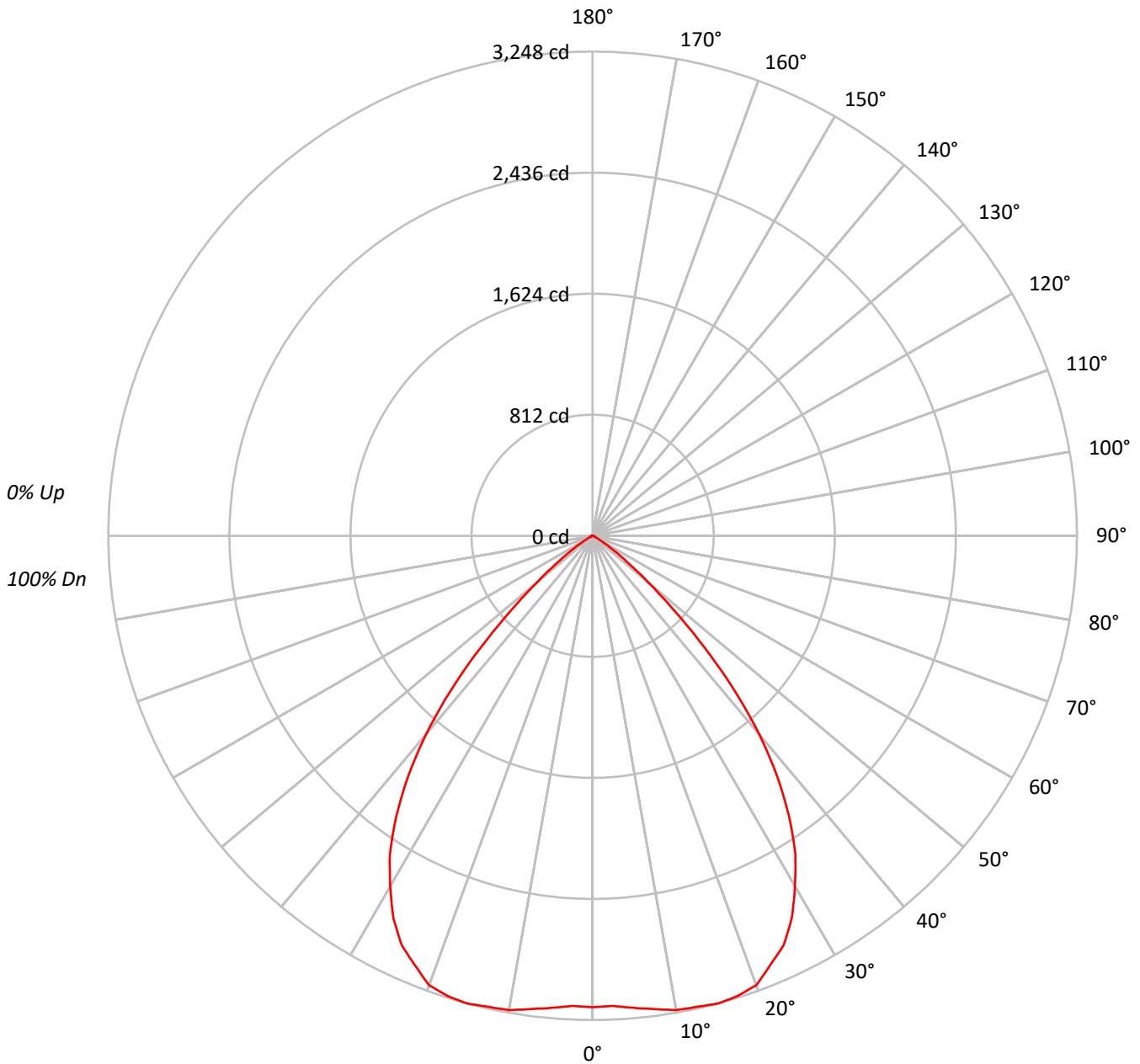
Lumens per Lamp: N/A  
Luminaire Lumens: 5061.8 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41

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

	0°
0°	173352
5°	174961
10°	179856
15°	184354
20°	187155
25°	183289
30°	171837
35°	153635
40°	124440
45°	82319
50°	41611
55°	17557
60°	5657
65°	2218
70°	1843
75°	1228
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.1	6.0
10°-20°	916.9	18.1
20°-30°	1382.2	27.3
30°-40°	1414.7	27.9
40°-50°	824.2	16.3
50°-60°	189.4	3.7
60°-70°	23.2	0.5
70°-80°	6.1	0.1
80°-90°	0.0	0.0
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°	2604.2	51.4
0°-40°	4018.9	79.4
0°-60°	5032.5	99.4
0°-90°	5061.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5061.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3162	
5°	3179	305
15°	3248	917
25°	3030	1382
35°	2296	1415
45°	1062	824
55°	184	189
65°	17	23
75°	6	6
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3162.2
2.5°	3156.5
5°	3179.4
7.5°	3202.3
10°	3231.0
12.5°	3236.8
15°	3248.3
17.5°	3236.8
20°	3208.1
22.5°	3116.2
25°	3030.2
27.5°	2892.5
30°	2714.6
32.5°	2530.9
35°	2295.7
37.5°	2031.5
40°	1738.9
42.5°	1411.8
45°	1061.8
47.5°	740.2
50°	487.9
52.5°	310.0
55°	183.7
57.5°	97.6
60°	51.6
62.5°	28.7
65°	17.1
67.5°	17.1
70°	11.5
72.5°	5.8
75°	5.8
77.5°	5.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)