

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: P844470

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBWLI**

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P844470  
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 EU6C40B30 6LBWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

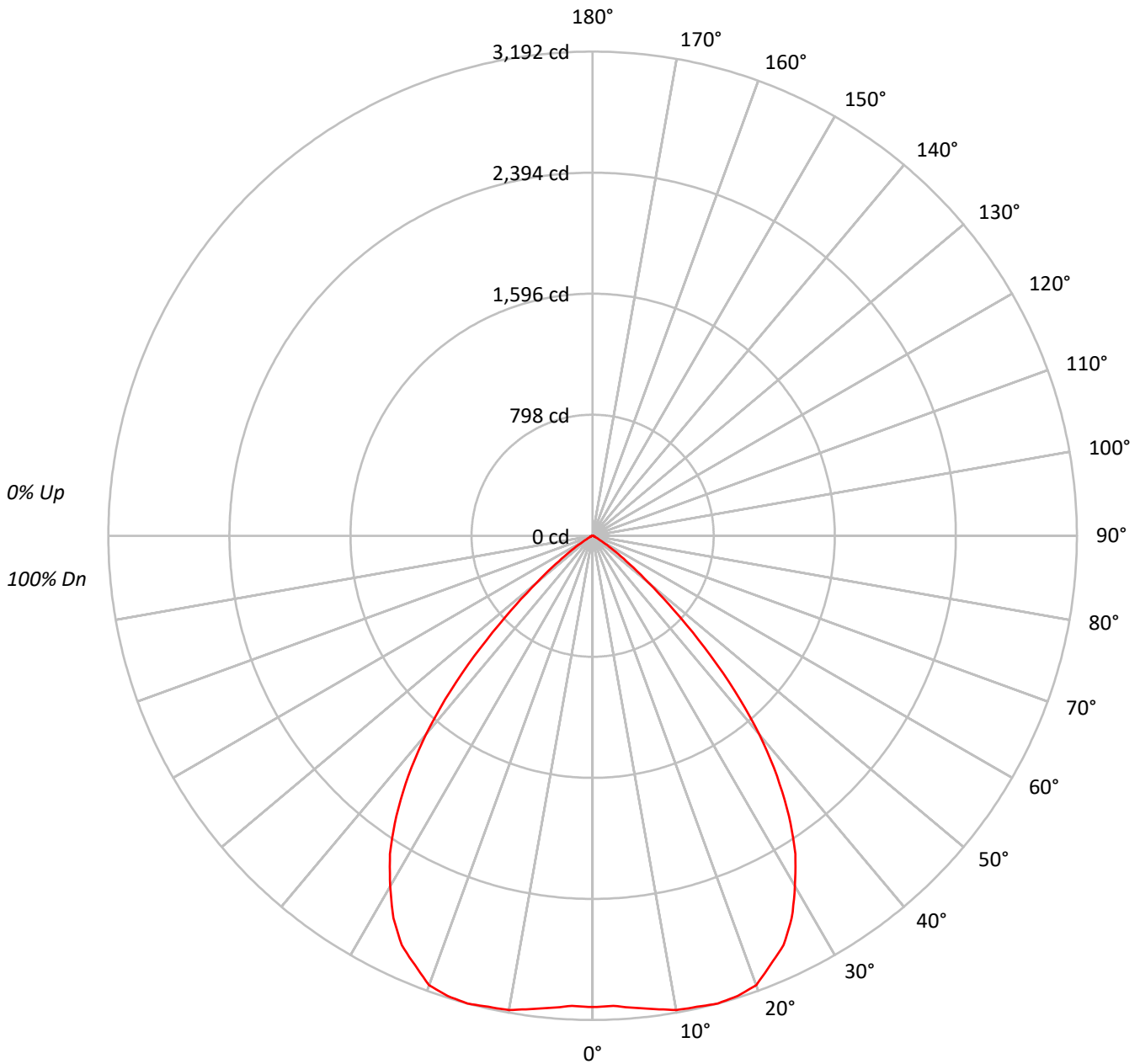
Lumens per Lamp: N/A  
Luminaire Lumens: 4974.0 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				
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°	170348
5°	171923
10°	176734
15°	181153
20°	183912
25°	180113
30°	168861
35°	150972
40°	122279
45°	80892
50°	40886
55°	17251
60°	5559
65°	2179
70°	1811
75°	1207
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.8	6.0
10°-20°	901.0	18.1
20°-30°	1358.3	27.3
30°-40°	1390.2	27.9
40°-50°	809.9	16.3
50°-60°	186.1	3.7
60°-70°	22.8	0.5
70°-80°	6.0	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°	2559.0	51.4
0°-40°	3949.2	79.4
0°-60°	4945.2	99.4
0°-90°	4974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4974.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3107	
5°	3124	300
15°	3192	901
25°	2978	1358
35°	2256	1390
45°	1043	810
55°	180	186
65°	17	23
75°	6	6
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3107.4
2.5°	3101.7
5°	3124.2
7.5°	3146.8
10°	3174.9
12.5°	3180.6
15°	3191.9
17.5°	3180.6
20°	3152.5
22.5°	3062.2
25°	2977.7
27.5°	2842.4
30°	2667.6
32.5°	2487.0
35°	2255.9
37.5°	1996.3
40°	1708.7
42.5°	1387.3
45°	1043.4
47.5°	727.4
50°	479.4
52.5°	304.6
55°	180.5
57.5°	95.9
60°	50.7
62.5°	28.2
65°	16.8
67.5°	16.8
70°	11.3
72.5°	5.7
75°	5.7
77.5°	5.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)