

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: P844464

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBMMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844464
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: LD6C40DE010B2750 EU6C40B30 6LBMMW
Description:
Light Source: -
Ballast/Driver:

Summary

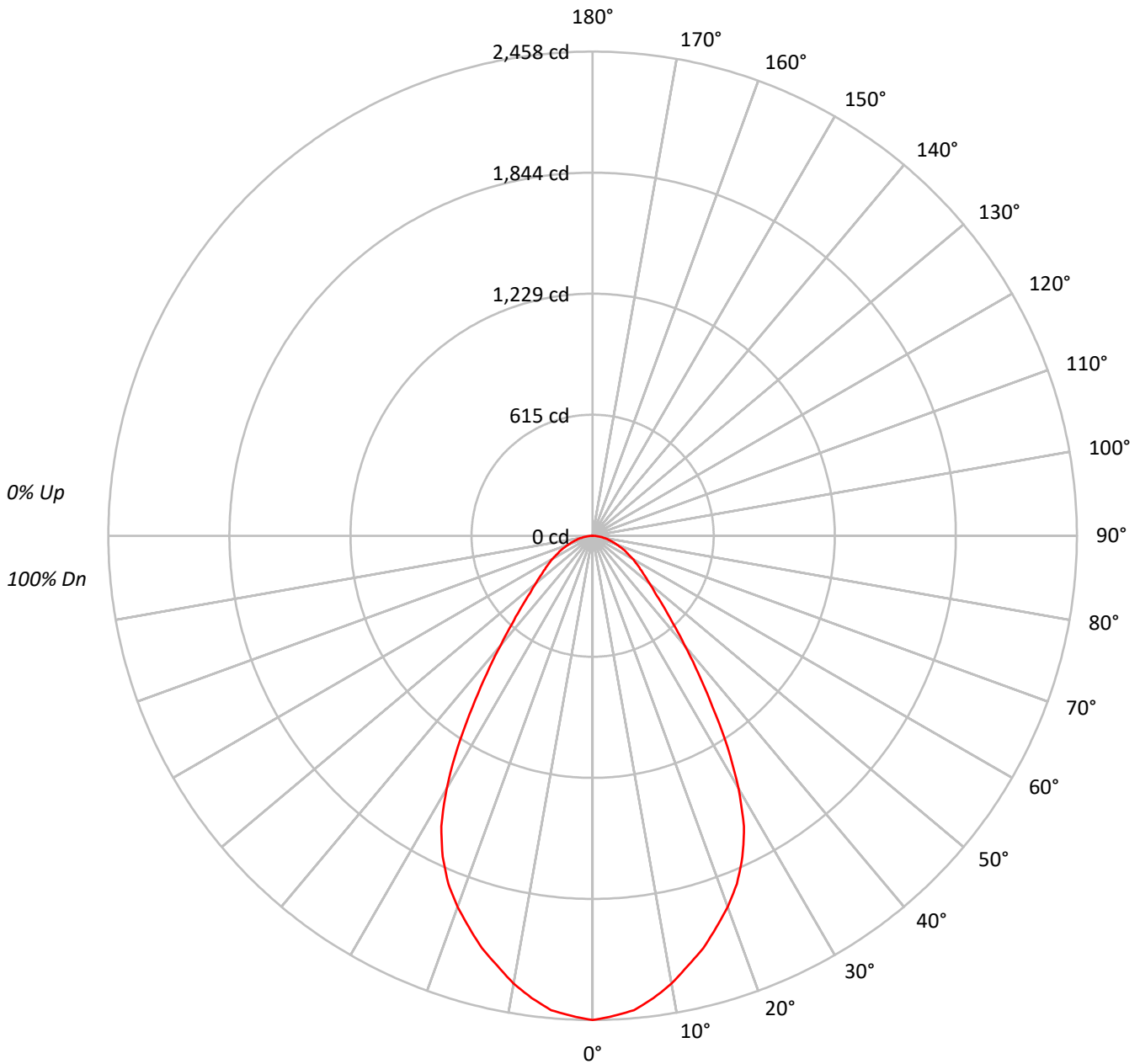
Lumens per Lamp: N/A
Luminaire Lumens: 3294.5 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P844464

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBMMW

Luminous Intensity Polar Plot





TEST NUMBER: P844464

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBMMW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134764
5°	133023
10°	128494
15°	123014
20°	116904
25°	108847
30°	93768
35°	71159
40°	52026
45°	39454
50°	32170
55°	28224
60°	25908
65°	23582
70°	21109
75°	19253
80°	17237
85°	14215



TEST NUMBER: P844464

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBMMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	6.9
10°-20°	608.3	18.5
20°-30°	816.7	24.8
30°-40°	669.9	20.3
40°-50°	402.3	12.2
50°-60°	267.4	8.1
60°-70°	179.2	5.4
70°-80°	96.4	2.9
80°-90°	27.1	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°	1652.1	50.1
0°-40°	2322.0	70.5
0°-60°	2991.7	90.8
0°-90°	3294.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3294.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2458	
5°	2417	227
15°	2168	608
25°	1800	817
35°	1063	670
45°	509	402
55°	295	267
65°	182	179
75°	91	96
85°	23	27
90°	0	



TEST NUMBER: P844464

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBMMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2458.3
2.5°	2440.1
5°	2417.3
7.5°	2367.4
10°	2308.3
12.5°	2235.5
15°	2167.5
17.5°	2085.7
20°	2003.9
22.5°	1913.0
25°	1799.5
27.5°	1663.1
30°	1481.3
32.5°	1276.8
35°	1063.3
37.5°	881.5
40°	727.0
42.5°	604.3
45°	508.9
47.5°	431.6
50°	377.2
52.5°	331.7
55°	295.3
57.5°	263.6
60°	236.3
62.5°	204.4
65°	181.8
67.5°	154.5
70°	131.7
72.5°	109.0
75°	90.9
77.5°	72.7
80°	54.6
82.5°	40.8
85°	22.6
87.5°	9.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)