

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: P844461

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBMGPH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844461
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 6LBMGPH
Description:
Light Source: -
Ballast/Driver:

Summary

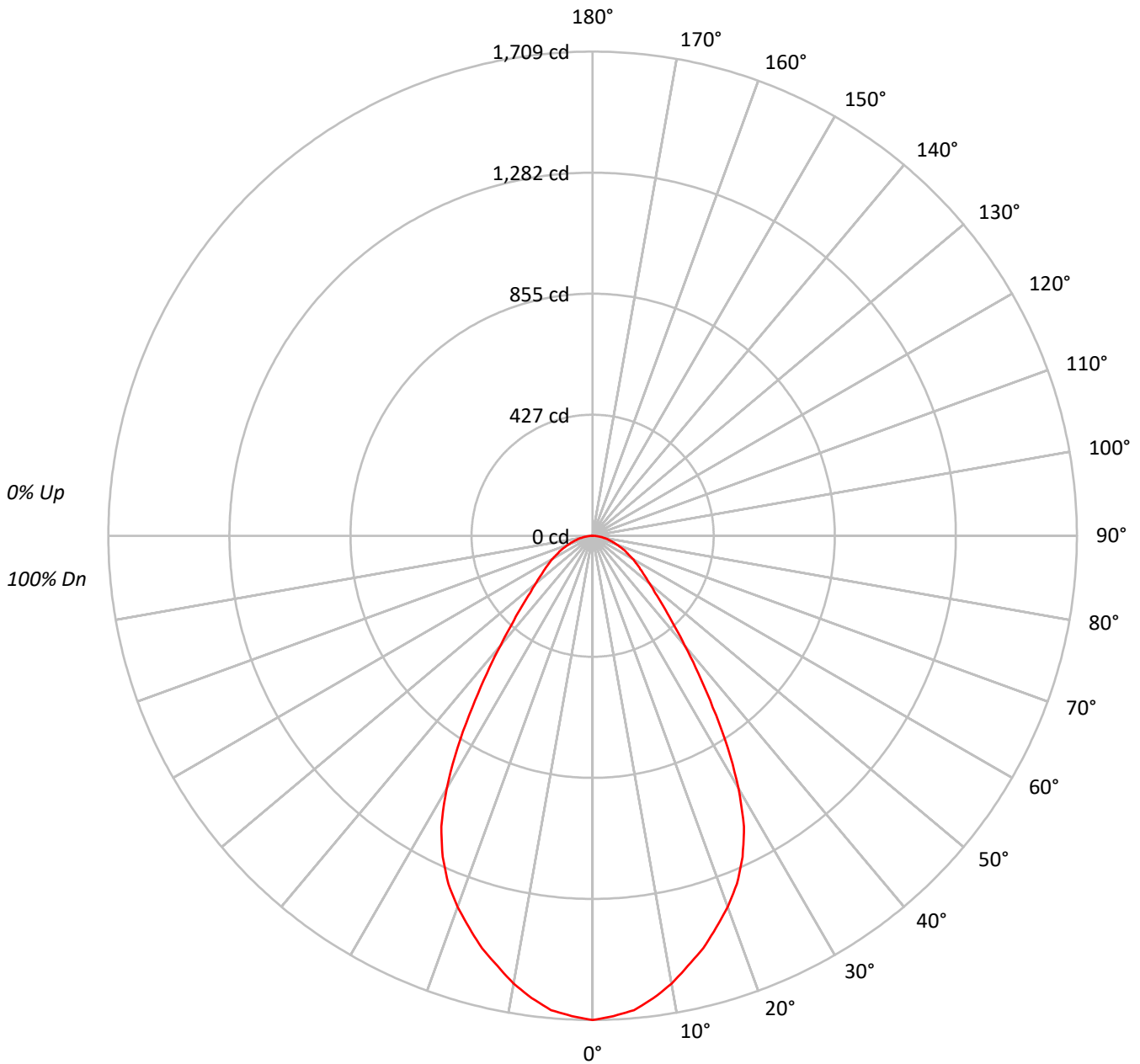
Lumens per Lamp: N/A
Luminaire Lumens: 2290.9 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P844461

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBMGPH

Luminous Intensity Polar Plot





TEST NUMBER: P844461

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBMGPH

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								
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°	93704
5°	92499
10°	89349
15°	85534
20°	81289
25°	75682
30°	65200
35°	49483
40°	36175
45°	27437
50°	22370
55°	19631
60°	18014
65°	16396
70°	14682
75°	13365
80°	11996
85°	9938



TEST NUMBER: P844461

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBMGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	6.9
10°-20°	422.9	18.5
20°-30°	567.9	24.8
30°-40°	465.9	20.3
40°-50°	279.8	12.2
50°-60°	185.9	8.1
60°-70°	124.6	5.4
70°-80°	67.1	2.9
80°-90°	18.9	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°	1148.8	50.1
0°-40°	1614.6	70.5
0°-60°	2080.3	90.8
0°-90°	2290.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2290.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1709	
5°	1681	158
15°	1507	423
25°	1251	568
35°	739	466
45°	354	280
55°	205	186
65°	126	125
75°	63	67
85°	16	19
90°	0	



TEST NUMBER: P844461

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBMGPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1709.3
2.5°	1696.7
5°	1680.9
7.5°	1646.2
10°	1605.1
12.5°	1554.5
15°	1507.1
17.5°	1450.2
20°	1393.4
22.5°	1330.2
25°	1251.2
27.5°	1156.4
30°	1030.0
32.5°	887.8
35°	739.4
37.5°	613.0
40°	505.5
42.5°	420.2
45°	353.9
47.5°	300.2
50°	262.3
52.5°	230.7
55°	205.4
57.5°	183.3
60°	164.3
62.5°	142.1
65°	126.4
67.5°	107.5
70°	91.6
72.5°	75.8
75°	63.1
77.5°	50.6
80°	38.0
82.5°	28.5
85°	15.8
87.5°	6.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)