

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: P844233

Luminaire Tested: **LD6C25DE010B40 EU6C25B40 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25DE010B40 EU6C25B40 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

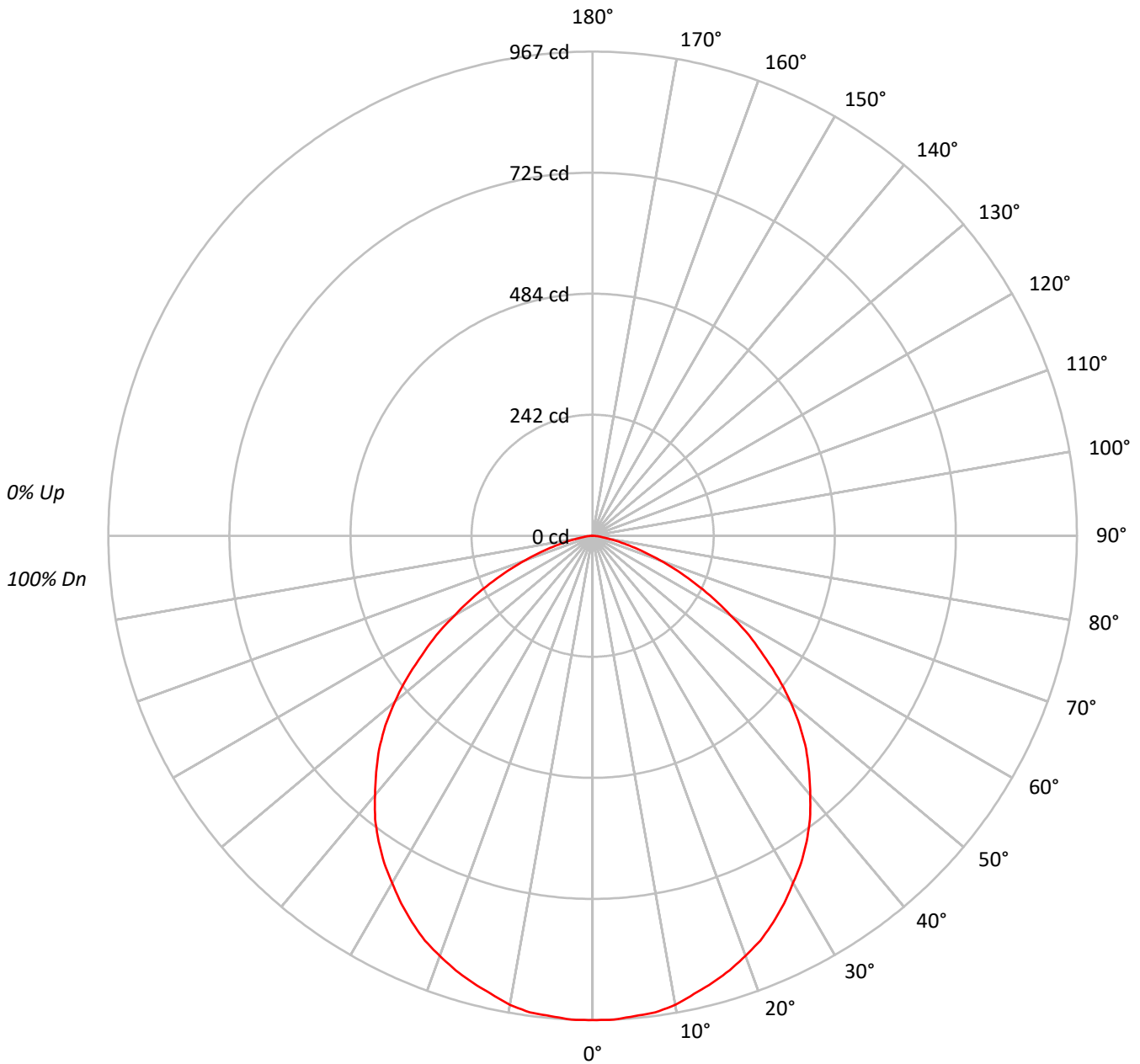
Lumens per Lamp: N/A
Luminaire Lumens: 2368.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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: P844233

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBCSMB

Luminous Intensity Polar Plot





TEST NUMBER: P844233

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBCSMB

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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53028
5°	52988
10°	52955
15°	52458
20°	52073
25°	51553
30°	50679
35°	49851
40°	48369
45°	46741
50°	43947
55°	39779
60°	34920
65°	29407
70°	23001
75°	16119
80°	9060
85°	6227



TEST NUMBER: P844233

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBCSMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.9
10°-20°	260.9	11.0
20°-30°	392.4	16.6
30°-40°	465.1	19.6
40°-50°	462.9	19.5
50°-60°	373.1	15.8
60°-70°	225.7	9.5
70°-80°	83.8	3.5
80°-90°	12.4	0.5
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°	745.0	31.5
0°-40°	1210.1	51.1
0°-60°	2046.1	86.4
0°-90°	2368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2368.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	967	
5°	963	92
15°	924	261
25°	852	392
35°	745	465
45°	603	463
55°	416	373
65°	227	226
75°	76	84
85°	10	12
90°	0	



TEST NUMBER: P844233

CATALOG NUMBER: LD6C25DE010B40 EU6C25B40 6LBCSMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	967.3
2.5°	967.3
5°	962.9
7.5°	960.1
10°	951.3
12.5°	937.0
15°	924.3
17.5°	909.9
20°	892.6
22.5°	875.3
25°	852.3
27.5°	828.0
30°	800.6
32.5°	774.9
35°	744.9
37.5°	713.3
40°	675.9
42.5°	639.9
45°	602.9
47.5°	561.1
50°	515.3
52.5°	467.8
55°	416.2
57.5°	370.2
60°	318.5
62.5°	272.7
65°	226.7
67.5°	183.6
70°	143.5
72.5°	107.7
75°	76.1
77.5°	48.8
80°	28.7
82.5°	17.1
85°	9.9
87.5°	4.2
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)