

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P757287

Luminaire Tested: LD6D02D010-EU6DR400210IC9024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR400210IC9024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 299.2 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
Input Voltage (V): NR
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: 24 FT



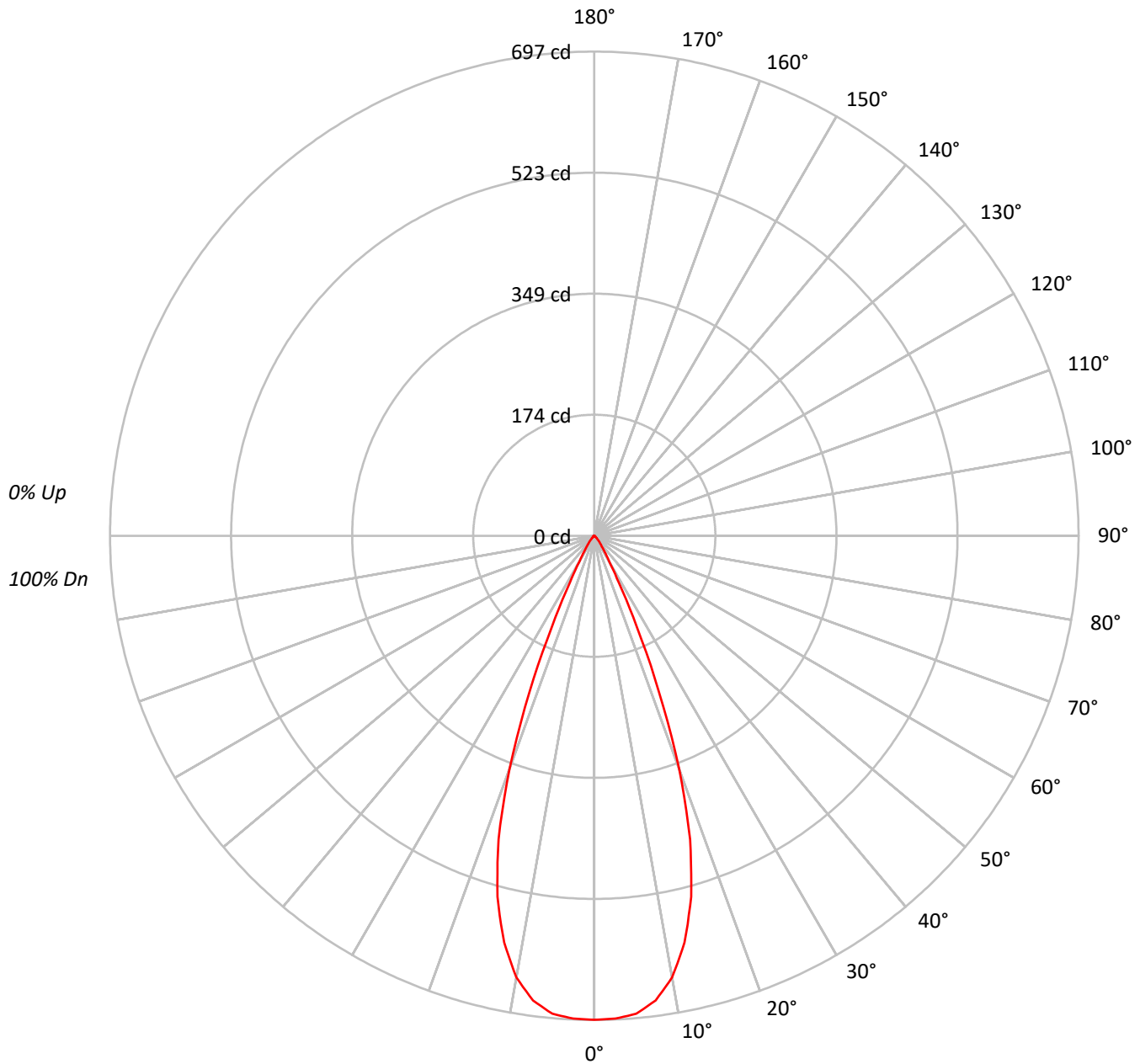
Downlight



TEST NUMBER: P757287

CATALOG NUMBER: LD6D02D010-EU6DR400210IC9024-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P757287

CATALOG NUMBER: LD6D02D010-EU6DR400210IC9024-6LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	108	112	110	108	107	106	105	103		103	101	100		99
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96
3	106	101	97	94	104	100	96	93	97	94	92		95	93	90		93
4	102	97	92	89	101	95	91	88	93	90	87		92	89	86		90
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87
6	95	88	84	80	94	88	83	80	86	82	80		85	82	79		84
7	92	85	80	77	91	84	80	77	83	79	76		82	79	76		81
8	89	82	77	74	88	81	77	74	80	76	73		79	76	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	83	76	71	68	82	75	71	68	75	71	68		74	70	68		73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76133
5°	75755
10°	71605
15°	60879
20°	41486
25°	17312
30°	5438
35°	2534
40°	1398
45°	634
50°	306
55°	171
60°	87
65°	26
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 634 cd/sqm



TEST NUMBER: P757287

CATALOG NUMBER: LD6D02D010-EU6DR400210IC9024-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	21.6
10°-20°	144.5	48.3
20°-30°	72.3	24.2
30°-40°	13.3	4.4
40°-50°	3.6	1.2
50°-60°	0.9	0.3
60°-70°	0.2	0.1
70°-80°	0.0	0.0
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°	281.3	94.0
0°-40°	294.6	98.4
0°-60°	299.1	99.9
0°-90°	299.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	697	
5°	691	64
15°	538	144
25°	144	72
35°	19	13
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P757287

CATALOG NUMBER: LD6D02D010-EU6DR400210IC9024-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	696.8
2.5°	695.7
5°	690.7
7.5°	674.8
10°	645.4
12.5°	599.7
15°	538.2
17.5°	458.2
20°	356.8
22.5°	243.3
25°	143.6
27.5°	75.9
30°	43.1
32.5°	27.9
35°	19.0
37.5°	13.6
40°	9.8
42.5°	6.7
45°	4.1
47.5°	2.6
50°	1.8
52.5°	1.3
55°	0.9
57.5°	0.6
60°	0.4
62.5°	0.2
65°	0.1
67.5°	0.1
70°	0.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)