

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: P760472

Luminaire Tested: LD6D10D010-EU6DR450210IC9050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR450210IC9050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1049.3 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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



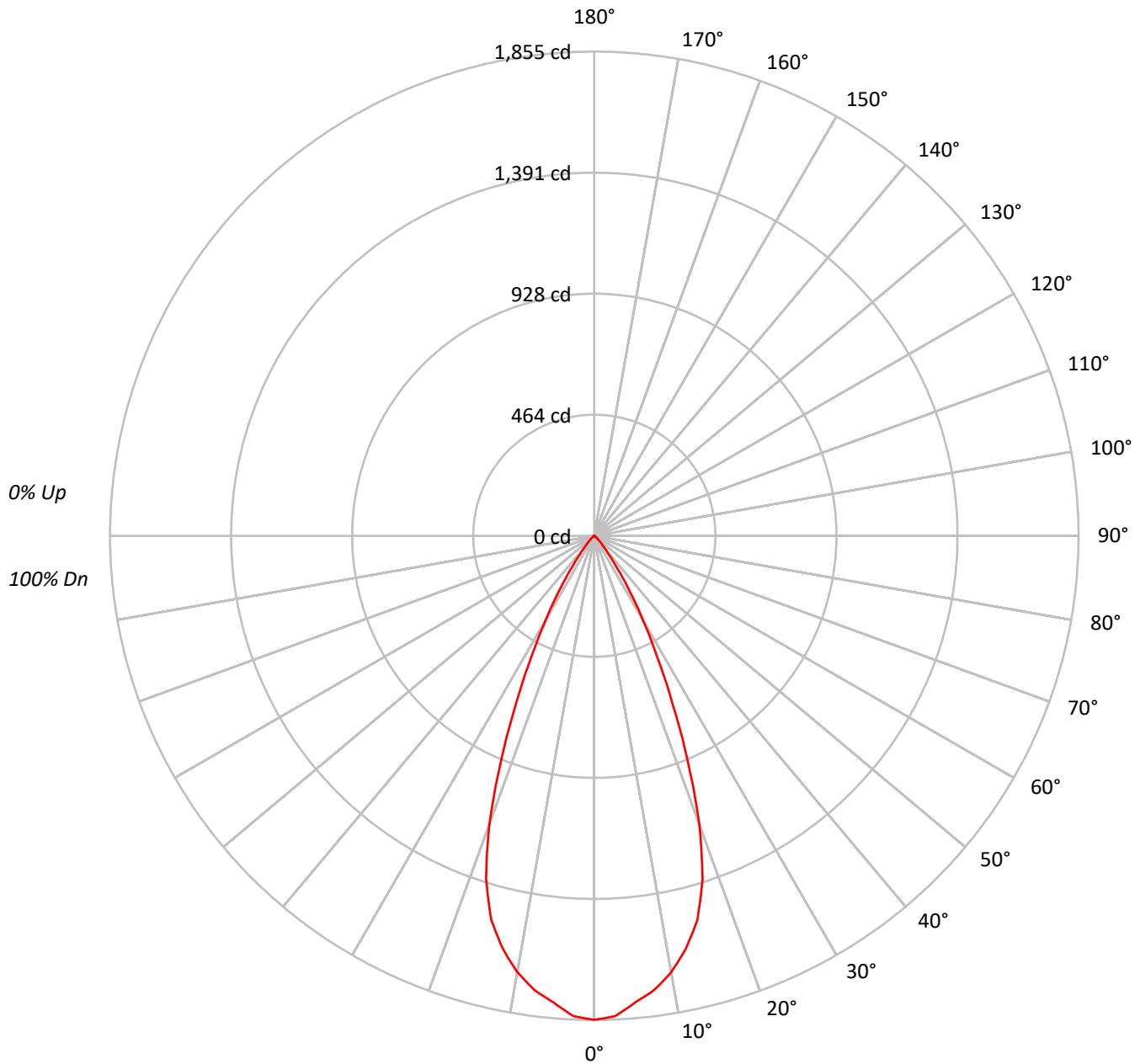
Downlight



TEST NUMBER: P760472

CATALOG NUMBER: LD6D10D010-EU6DR450210IC9050-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P760472

CATALOG NUMBER: LD6D10D010-EU6DR450210IC9050-6LBSQW1MW

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		98
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	68	65		71	67	64		71
10	79	70	65	62	78	70	65	62	69	65	62		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	202646
5°	196872
10°	188353
15°	172387
20°	136760
25°	85378
30°	47059
35°	21128
40°	8315
45°	3925
50°	1853
55°	972
60°	481
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3925 cd/sqm



TEST NUMBER: P760472

CATALOG NUMBER: LD6D10D010-EU6DR450210IC9050-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	16.1
10°-20°	415.1	39.6
20°-30°	328.7	31.3
30°-40°	109.5	10.4
40°-50°	21.7	2.1
50°-60°	4.9	0.5
60°-70°	0.7	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°	912.5	87.0
0°-40°	1021.9	97.4
0°-60°	1048.6	99.9
0°-90°	1049.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1049.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1855	
5°	1795	169
15°	1524	415
25°	708	329
35°	158	109
45°	25	22
55°	5	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P760472

CATALOG NUMBER: LD6D10D010-EU6DR450210IC9050-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1854.7
2.5°	1842.6
5°	1795.0
7.5°	1755.8
10°	1697.7
12.5°	1620.4
15°	1524.0
17.5°	1379.0
20°	1176.2
22.5°	934.7
25°	708.2
27.5°	518.6
30°	373.0
32.5°	253.7
35°	158.4
37.5°	94.0
40°	58.3
42.5°	38.4
45°	25.4
47.5°	16.3
50°	10.9
52.5°	7.3
55°	5.1
57.5°	3.4
60°	2.2
62.5°	1.1
65°	0.5
67.5°	0.2
70°	0.2
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)