

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: P774863

Luminaire Tested: LD6D95BD010-EU6DR7070959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR7070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12624.2 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

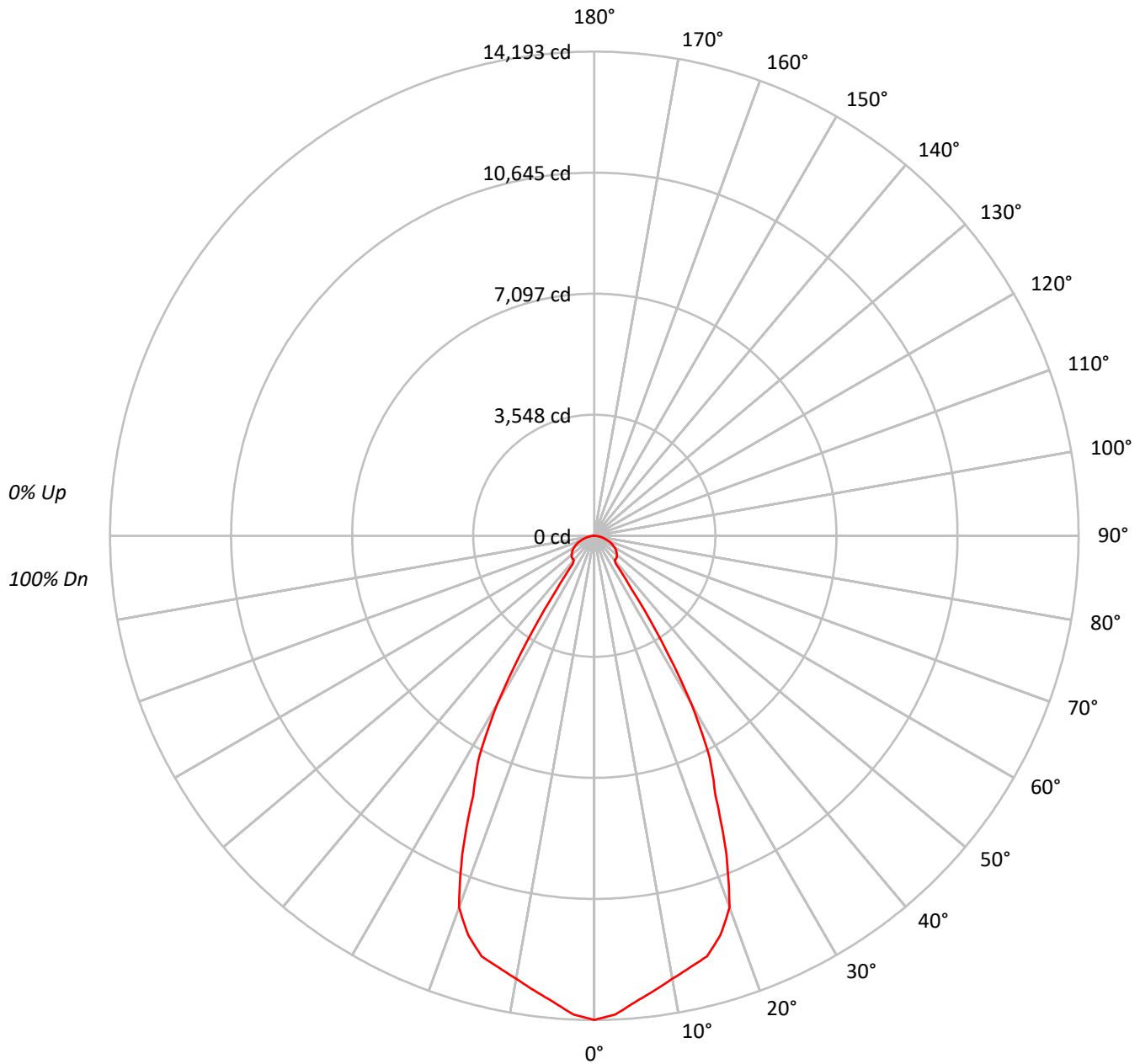


Downlight

TEST NUMBER: P774863

CATALOG NUMBER: LD6D95BD010-EU6DR7070959050-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P774863

CATALOG NUMBER: LD6D95BD010-EU6DR7070959050-6LBDP1LI

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1550760
5°	1504685
10°	1462738
15°	1443552
20°	1347975
25°	1012670
30°	715864
35°	253574
40°	133330
45°	142018
50°	147066
55°	149821
60°	150758
65°	147571
70°	139283
75°	129009
80°	114516
85°	93019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 150806 cd/sqm



TEST NUMBER: P774863

CATALOG NUMBER: LD6D95BD010-EU6DR7070959050-6LBPD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1294.0	10.3
10°-20°	3549.4	28.1
20°-30°	3909.2	31.0
30°-40°	1493.6	11.8
40°-50°	705.2	5.6
50°-60°	701.1	5.6
60°-70°	561.4	4.4
70°-80°	322.6	2.6
80°-90°	87.7	0.7
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°	8752.6	69.3
0°-40°	10246.2	81.2
0°-60°	11652.5	92.3
0°-90°	12624.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12624.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14193	
5°	13719	###
15°	12762	3549
25°	8400	3909
35°	1901	1494
45°	919	705
55°	786	701
65°	571	561
75°	306	323
85°	74	88
90°	0	



TEST NUMBER: P774863

CATALOG NUMBER: LD6D95BD010-EU6DR7070959050-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	14193.2
2.5°	14044.9
5°	13719.1
7.5°	13447.2
10°	13184.2
12.5°	12961.8
15°	12761.8
17.5°	12278.6
20°	11593.2
22.5°	10114.6
25°	8400.0
27.5°	7312.3
30°	5674.1
32.5°	3665.2
35°	1901.1
37.5°	1027.0
40°	934.8
42.5°	928.1
45°	919.1
47.5°	898.9
50°	865.2
52.5°	827.0
55°	786.5
57.5°	741.6
60°	689.9
62.5°	631.5
65°	570.8
67.5°	503.4
70°	436.0
72.5°	368.5
75°	305.6
77.5°	240.4
80°	182.0
82.5°	128.1
85°	74.2
87.5°	29.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)