

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: P774733

Luminaire Tested: LD6D95BD010-EU6DR6570959027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9985.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

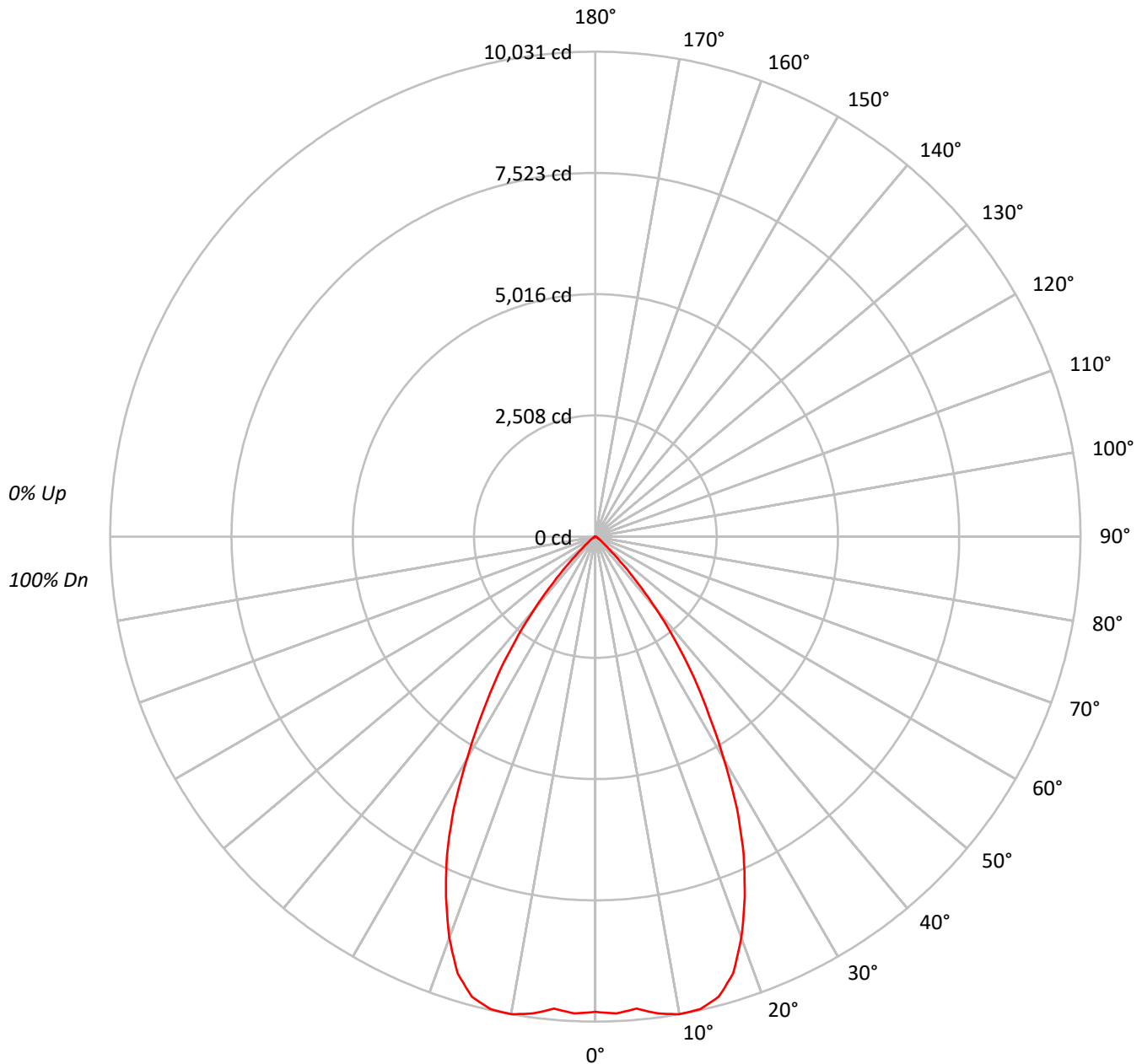


Downlight

TEST NUMBER: P774733

CATALOG NUMBER: LD6D95BD010-EU6DR6570959027-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P774733

CATALOG NUMBER: LD6D95BD010-EU6DR6570959027-6LBDP1LI

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1074132
5°	1075021
10°	1112869
15°	1114715
20°	1026271
25°	874440
30°	669411
35°	472935
40°	279155
45°	113324
50°	41084
55°	22878
60°	13133
65°	7213
70°	7571
75°	5910
80°	6166
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 113324 cd/sqm



TEST NUMBER: P774733

CATALOG NUMBER: LD6D95BD010-EU6DR6570959027-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	946.6	9.5
10°-20°	2730.6	27.3
20°-30°	3276.2	32.8
30°-40°	2201.7	22.1
40°-50°	659.1	6.6
50°-60°	116.3	1.2
60°-70°	33.0	0.3
70°-80°	16.2	0.2
80°-90°	5.1	0.1
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°	6953.5	69.6
0°-40°	9155.2	91.7
0°-60°	9930.5	99.5
0°-90°	9985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9985.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9831	
5°	9802	947
15°	9855	2731
25°	7253	3276
35°	3546	2202
45°	733	659
55°	120	116
65°	28	33
75°	14	16
85°	4	5
90°	0	



TEST NUMBER: P774733

CATALOG NUMBER: LD6D95BD010-EU6DR6570959027-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	9830.9
2.5°	9872.8
5°	9801.6
7.5°	9949.7
10°	10030.7
12.5°	10011.1
15°	9854.7
17.5°	9471.9
20°	8826.4
22.5°	8066.5
25°	7253.4
27.5°	6335.5
30°	5305.9
32.5°	4372.7
35°	3545.7
37.5°	2728.4
40°	1957.2
42.5°	1278.3
45°	733.4
47.5°	388.4
50°	241.7
52.5°	167.6
55°	120.1
57.5°	86.6
60°	60.1
62.5°	39.1
65°	27.9
67.5°	25.1
70°	23.7
72.5°	18.2
75°	14.0
77.5°	12.6
80°	9.8
82.5°	7.0
85°	4.2
87.5°	2.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)