

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: P774253

Luminaire Tested: LD6D95BD010-EU6DR3570959024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3570959024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8581.1 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

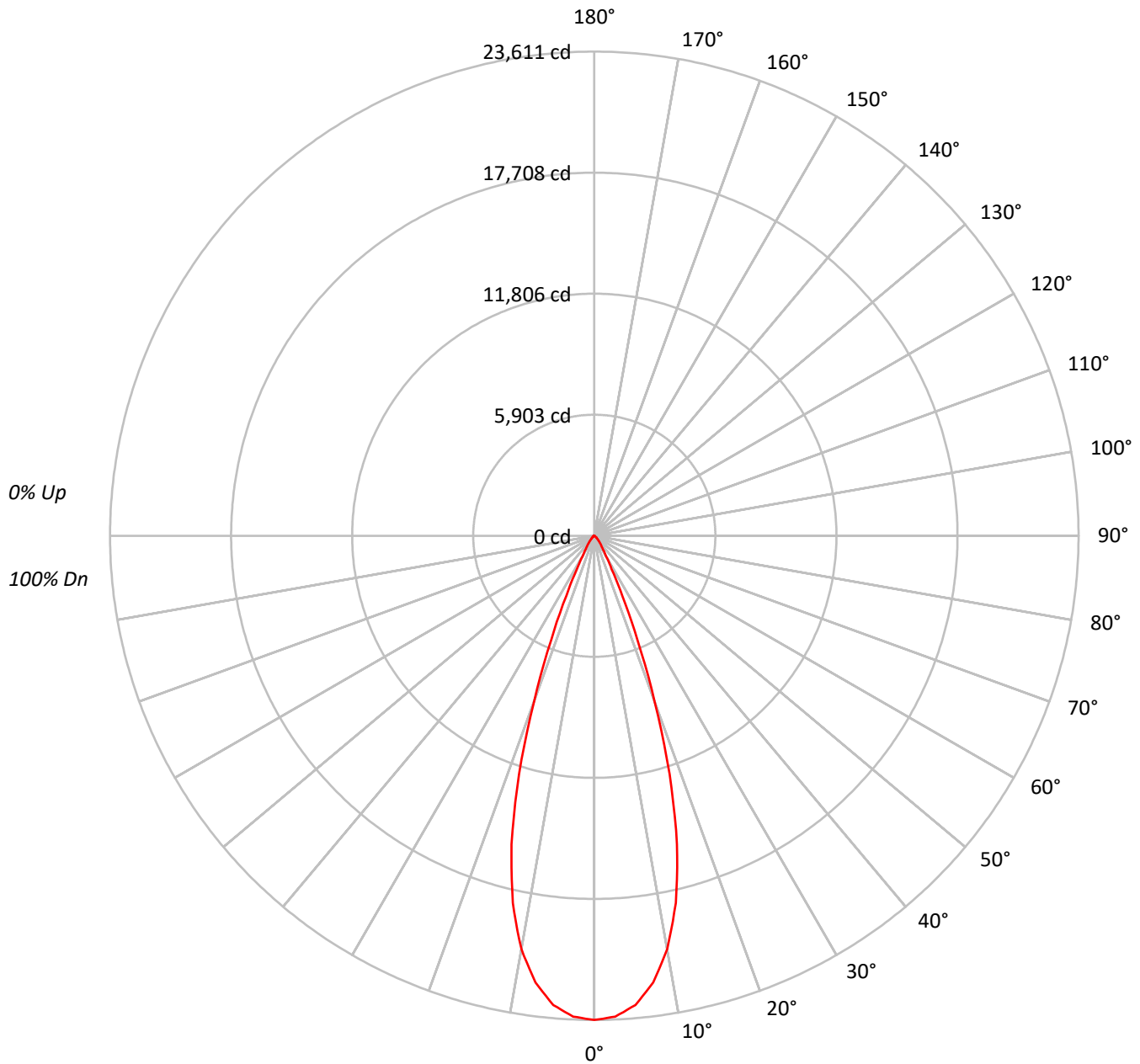


Downlight

TEST NUMBER: P774253

CATALOG NUMBER: LD6D95BD010-EU6DR3570959024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774253

CATALOG NUMBER: LD6D95BD010-EU6DR3570959024-6LBDP1MW

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	101	108	105	102	99	102	99	97		99	97	95		96
3	106	101	97	94	105	100	96	93	97	95	92		95	93	91		93
4	103	97	92	89	101	96	92	89	94	90	88		92	89	87		90
5	99	93	88	85	98	92	87	84	90	86	84		89	85	83		87
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84
7	93	85	81	78	91	85	80	77	84	80	77		83	79	77		82
8	90	82	78	74	88	82	77	74	81	77	74		80	76	74		79
9	87	79	75	72	86	79	75	72	78	74	71		77	74	71		77
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2579723
5°	2519109
10°	2270382
15°	1762174
20°	999482
25°	388841
30°	145063
35°	79523
40°	51974
45°	31630
50°	20143
55°	14230
60°	10402
65°	5662
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31630 cd/sqm



TEST NUMBER: P774253

CATALOG NUMBER: LD6D95BD010-EU6DR3570959024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2112.4	24.6
10°-20°	4124.3	48.1
20°-30°	1682.0	19.6
30°-40°	402.5	4.7
40°-50°	167.7	2.0
50°-60°	69.4	0.8
60°-70°	21.7	0.3
70°-80°	0.5	0.0
80°-90°	0.4	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°	7918.7	92.3
0°-40°	8321.3	97.0
0°-60°	8558.5	99.7
0°-90°	8581.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8581.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23611	
5°	22968	###
15°	15579	4124
25°	3225	1682
35°	596	403
45°	205	168
55°	75	69
65°	22	22
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P774253

CATALOG NUMBER: LD6D95BD010-EU6DR3570959024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	23610.7
2.5°	23469.0
5°	22968.2
7.5°	21969.0
10°	20463.8
12.5°	18344.4
15°	15578.6
17.5°	12196.1
20°	8596.0
22.5°	5481.3
25°	3225.4
27.5°	1823.2
30°	1149.8
32.5°	807.3
35°	596.2
37.5°	461.0
40°	364.4
42.5°	280.7
45°	204.7
47.5°	153.2
50°	118.5
52.5°	94.0
55°	74.7
57.5°	60.5
60°	47.6
62.5°	34.8
65°	21.9
67.5°	7.7
70°	1.3
72.5°	1.3
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)