

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: P774097

Luminaire Tested: LD6D95BD010-EU6DR2570959024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR2570959024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7580.5 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

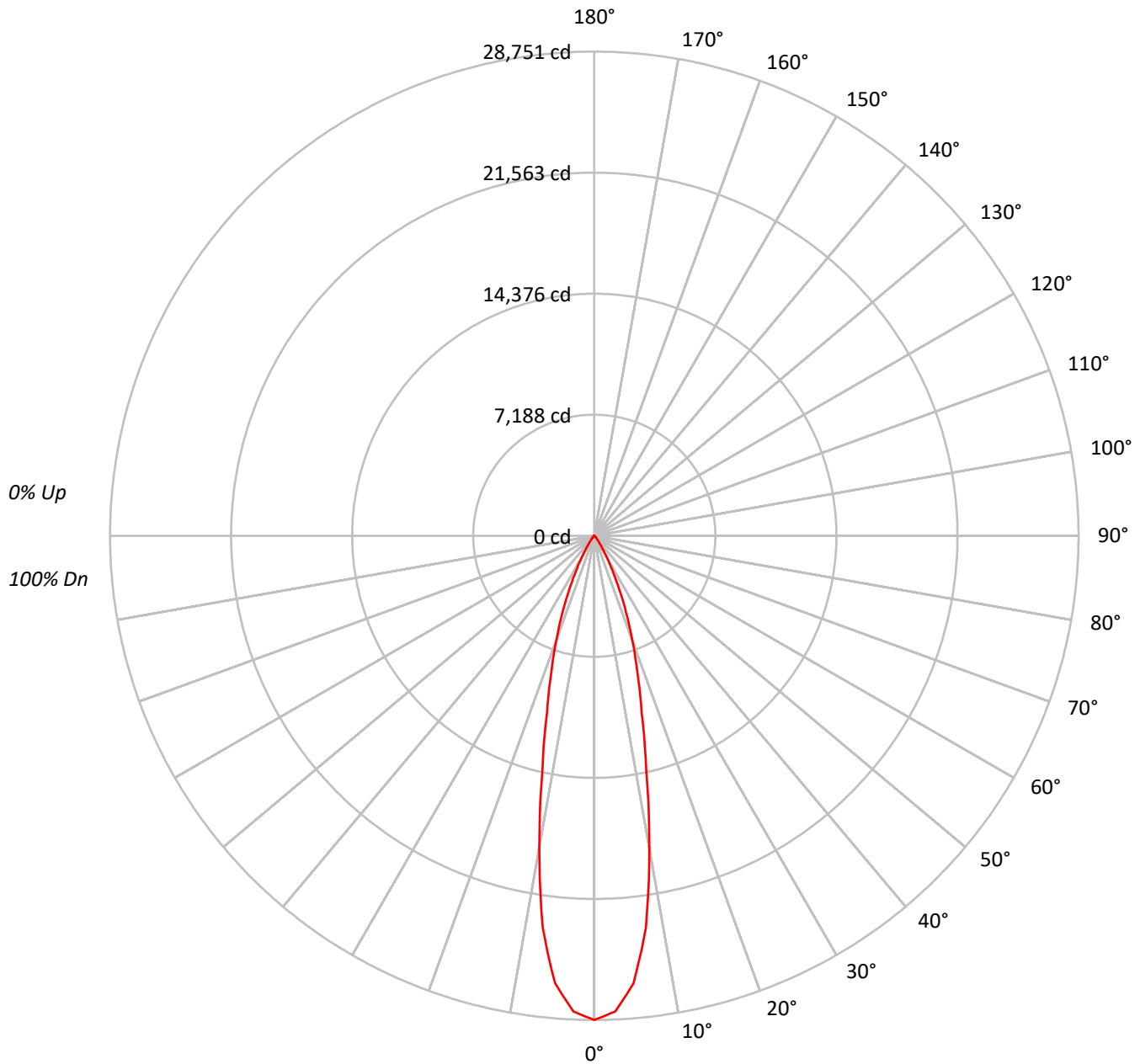


Downlight

TEST NUMBER: P774097

CATALOG NUMBER: LD6D95BD010-EU6DR2570959024-6LBDP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P774097

CATALOG NUMBER: LD6D95BD010-EU6DR2570959024-6LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109	112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101	109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95	105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	97	93	90	102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	93	89	86	98	93	89	86		91	87	85		89	86	84		88	85	83
6	97	90	85	82	95	89	85	82		88	84	81		87	83	81		85	83	80
7	93	87	82	79	92	86	82	79		85	81	78		84	80	78		83	80	78
8	91	84	79	76	90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73	87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71	85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3141389
5°	2925806
10°	2087055
15°	1229199
20°	764820
25°	419739
30°	191958
35°	72694
40°	32919
45°	19794
50°	8210
55°	5296
60°	3693
65°	2508
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19794 cd/sqm



TEST NUMBER: P774097

CATALOG NUMBER: LD6D95BD010-EU6DR2570959024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2292.6	30.2
10°-20°	3105.2	41.0
20°-30°	1643.2	21.7
30°-40°	405.6	5.4
40°-50°	98.9	1.3
50°-60°	26.0	0.3
60°-70°	8.7	0.1
70°-80°	0.2	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°	7041.0	92.9
0°-40°	7446.6	98.2
0°-60°	7571.6	99.9
0°-90°	7580.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7580.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28751	
5°	26676	###
15°	10867	3105
25°	3482	1643
35°	545	406
45°	128	99
55°	28	26
65°	10	9
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774097

CATALOG NUMBER: LD6D95BD010-EU6DR2570959024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	28751.3
2.5°	28278.8
5°	26676.3
7.5°	23456.9
10°	18811.4
12.5°	14220.3
15°	10866.8
17.5°	8469.1
20°	6577.8
22.5°	4933.1
25°	3481.7
27.5°	2334.8
30°	1521.5
32.5°	925.7
35°	545.0
37.5°	333.5
40°	230.8
42.5°	176.4
45°	128.1
47.5°	77.3
50°	48.3
52.5°	35.0
55°	27.8
57.5°	21.8
60°	16.9
62.5°	13.3
65°	9.7
67.5°	3.6
70°	1.2
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)