

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: P774165

Luminaire Tested: LD6D95BD010-EU6DR2570959050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774165
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-EU6DR2570959050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11762.8 lumens
Efficiency: N/A
Efficacy: 118.6 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

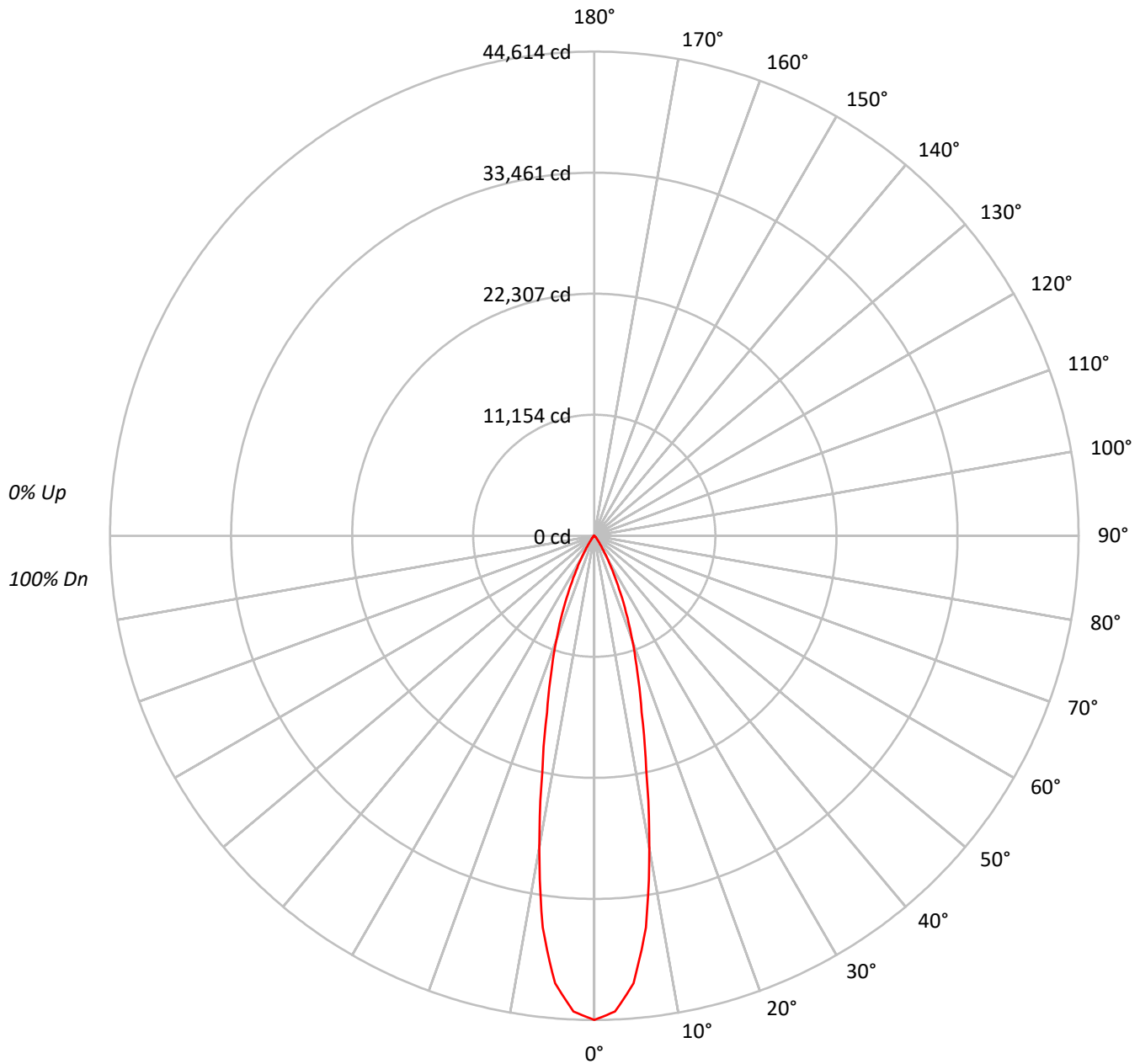


Downlight

TEST NUMBER: P774165

CATALOG NUMBER: LD6D95BD010-EU6DR2570959050-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P774165

CATALOG NUMBER: LD6D95BD010-EU6DR2570959050-6LBS1LI

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	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	93	87	82	79	92	86	82	79	85	81	78		84	80	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4874527
5°	4540005
10°	3238511
15°	1907357
20°	1186786
25°	651315
30°	297859
35°	112802
40°	51090
45°	30718
50°	12748
55°	8210
60°	5747
65°	3878
70°	607
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30718 cd/sqm



TEST NUMBER: P774165

CATALOG NUMBER: LD6D95BD010-EU6DR2570959050-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3557.5	30.2
10°-20°	4818.3	41.0
20°-30°	2549.8	21.7
30°-40°	629.4	5.4
40°-50°	153.6	1.3
50°-60°	40.4	0.3
60°-70°	13.6	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°	10925.6	92.9
0°-40°	11555.0	98.2
0°-60°	11749.0	99.9
0°-90°	11762.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11762.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	44614	
5°	41394	###
15°	16862	4818
25°	5403	2550
35°	846	629
45°	199	154
55°	43	40
65°	15	14
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774165

CATALOG NUMBER: LD6D95BD010-EU6DR2570959050-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	44613.7
2.5°	43880.5
5°	41393.9
7.5°	36398.3
10°	29189.9
12.5°	22065.9
15°	16862.1
17.5°	13141.7
20°	10206.9
22.5°	7654.7
25°	5402.6
27.5°	3623.0
30°	2360.9
32.5°	1436.4
35°	845.7
37.5°	517.6
40°	358.2
42.5°	273.8
45°	198.8
47.5°	120.0
50°	75.0
52.5°	54.4
55°	43.1
57.5°	33.8
60°	26.3
62.5°	20.6
65°	15.0
67.5°	5.6
70°	1.9
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)