

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: P774408

Luminaire Tested: LD6D95BD010-EU6DR4570959024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR4570959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10302.9 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

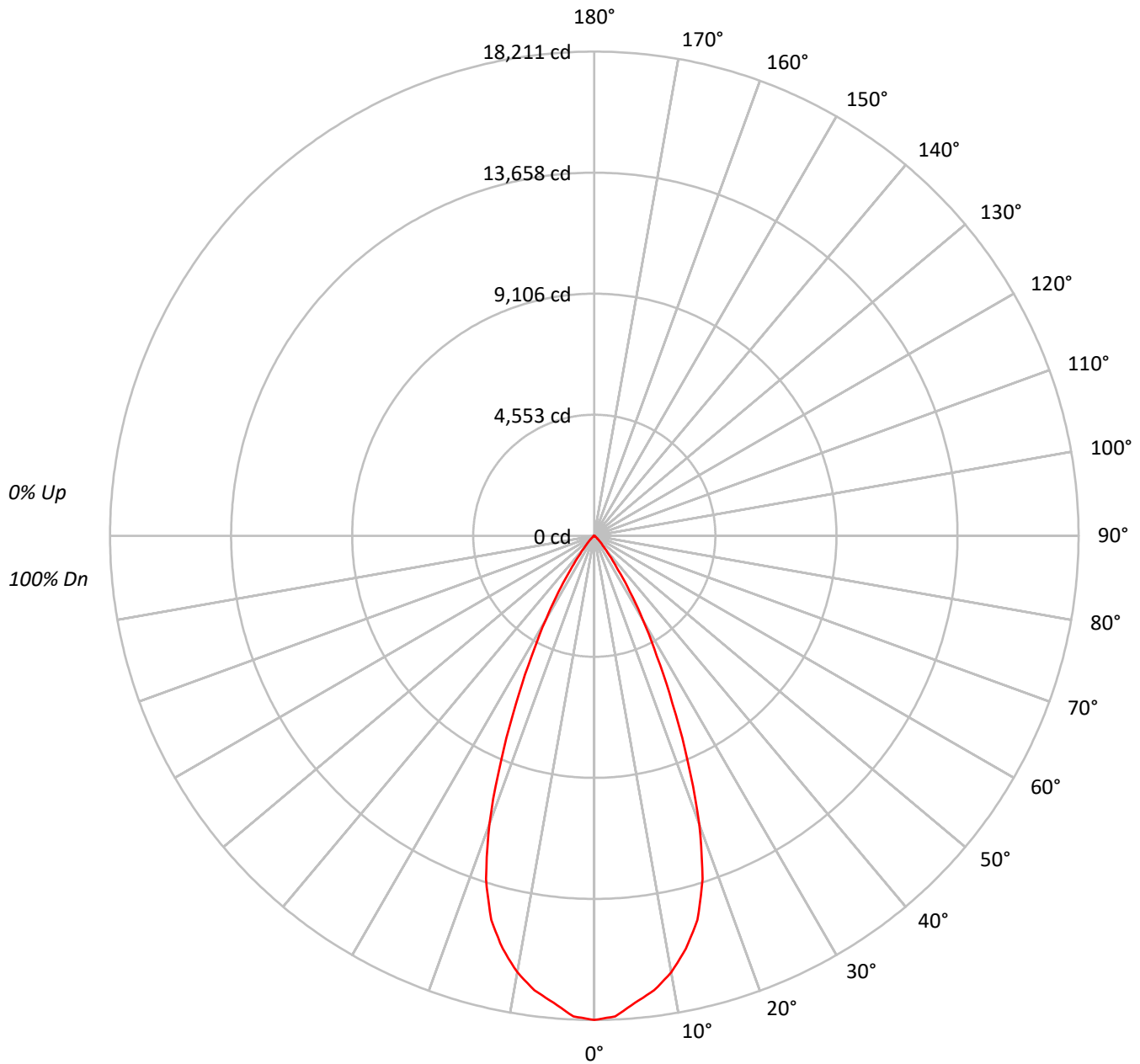


Downlight

TEST NUMBER: P774408

CATALOG NUMBER: LD6D95BD010-EU6DR4570959024-6LBDP1LI

Luminous Intensity Polar Plot



TEST NUMBER: P774408

CATALOG NUMBER: LD6D95BD010-EU6DR4570959024-6LBDP1LI

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95		
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85		
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77		
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73		
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69		
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66		
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63		
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1989715
5°	1933066
10°	1849419
15°	1692608
20°	1342824
25°	838346
30°	462074
35°	207477
40°	81713
45°	38506
50°	18256
55°	9544
60°	4698
65°	1112
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38506 cd/sqm



TEST NUMBER: P774408

CATALOG NUMBER: LD6D95BD010-EU6DR4570959024-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1656.0	16.1
10°-20°	4075.7	39.6
20°-30°	3227.5	31.3
30°-40°	1074.8	10.4
40°-50°	213.3	2.1
50°-60°	48.4	0.5
60°-70°	7.0	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°	8959.3	87.0
0°-40°	10034.0	97.4
0°-60°	10295.8	99.9
0°-90°	10302.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10302.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18211	
5°	17625	###
15°	14964	4076
25°	6954	3228
35°	1556	1075
45°	249	213
55°	50	48
65°	4	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774408

CATALOG NUMBER: LD6D95BD010-EU6DR4570959024-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	18210.7
2.5°	18091.8
5°	17624.9
7.5°	17239.6
10°	16669.5
12.5°	15910.4
15°	14963.6
17.5°	13539.9
20°	11548.9
22.5°	9177.0
25°	6954.0
27.5°	5092.0
30°	3662.5
32.5°	2490.8
35°	1555.5
37.5°	922.4
40°	572.9
42.5°	376.7
45°	249.2
47.5°	160.4
50°	107.4
52.5°	71.6
55°	50.1
57.5°	32.9
60°	21.5
62.5°	11.5
65°	4.3
67.5°	1.4
70°	1.4
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)