

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: P774424

Luminaire Tested: LD6D95BD010-EU6DR4570959027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774424
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-EU6DR4570959027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11700.2 lumens
Efficiency: N/A
Efficacy: 117.9 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

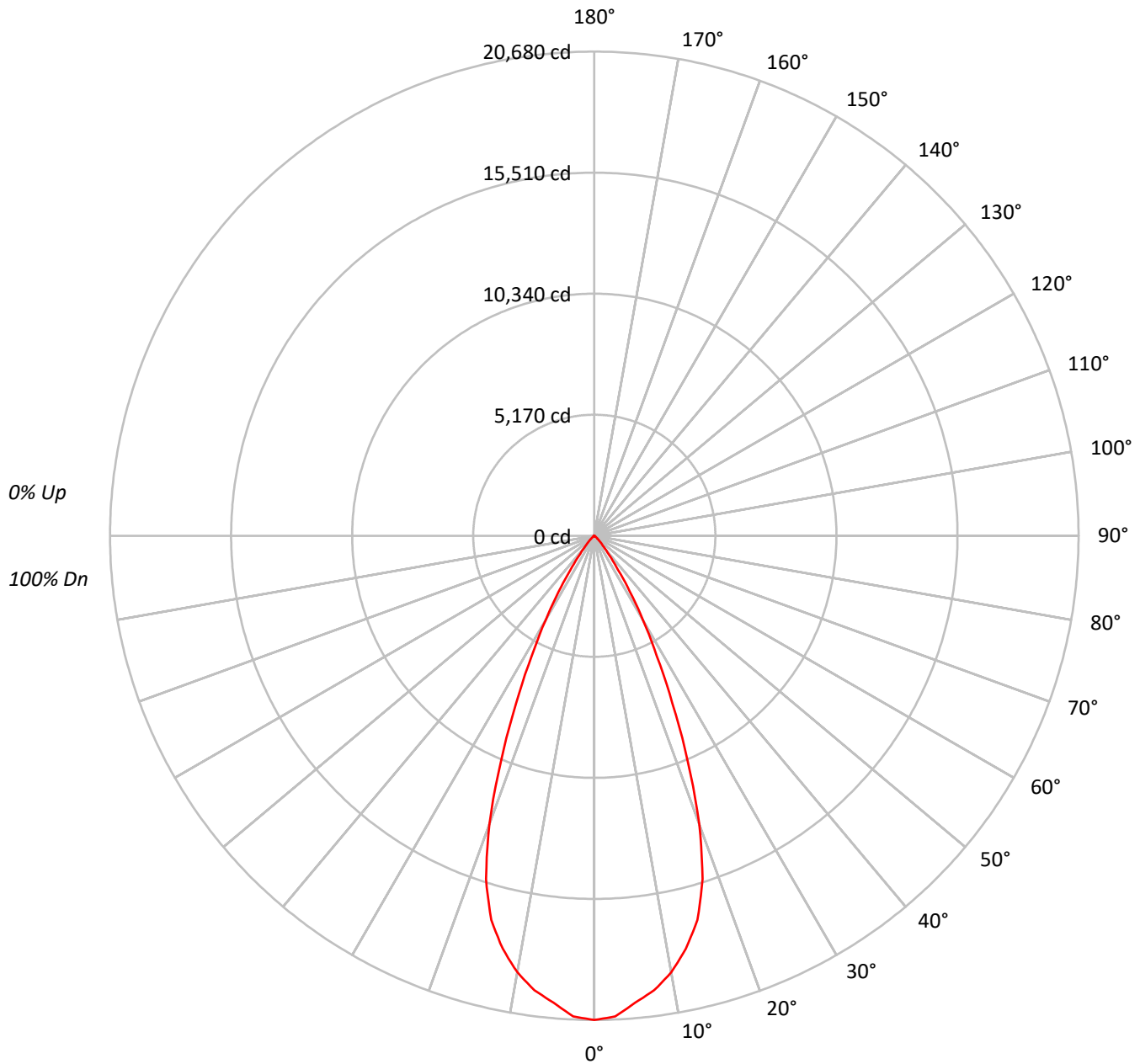


Downlight

TEST NUMBER: P774424

CATALOG NUMBER: LD6D95BD010-EU6DR4570959027-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P774424

CATALOG NUMBER: LD6D95BD010-EU6DR4570959027-6LBS1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2259556
5°	2195229
10°	2100235
15°	1922164
20°	1524942
25°	952042
30°	524739
35°	235621
40°	92795
45°	43729
50°	20738
55°	10839
60°	5332
65°	1267
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43729 cd/sqm



TEST NUMBER: P774424

CATALOG NUMBER: LD6D95BD010-EU6DR4570959027-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1880.6	16.1
10°-20°	4628.4	39.6
20°-30°	3665.3	31.3
30°-40°	1220.6	10.4
40°-50°	242.2	2.1
50°-60°	55.0	0.5
60°-70°	7.9	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°	10174.3	87.0
0°-40°	11394.8	97.4
0°-60°	11692.1	99.9
0°-90°	11700.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11700.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20680	
5°	20015	###
15°	16993	4628
25°	7897	3665
35°	1766	1221
45°	283	242
55°	57	55
65°	5	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774424

CATALOG NUMBER: LD6D95BD010-EU6DR4570959027-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	20680.4
2.5°	20545.4
5°	20015.2
7.5°	19577.6
10°	18930.2
12.5°	18068.1
15°	16993.0
17.5°	15376.1
20°	13115.2
22.5°	10421.6
25°	7897.1
27.5°	5782.5
30°	4159.2
32.5°	2828.6
35°	1766.5
37.5°	1047.5
40°	650.6
42.5°	427.8
45°	283.0
47.5°	182.2
50°	122.0
52.5°	81.3
55°	56.9
57.5°	37.4
60°	24.4
62.5°	13.0
65°	4.9
67.5°	1.6
70°	1.6
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)