

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: P774750

Luminaire Tested: LD6D95BD010-EU6DR6570959030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10828.1 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

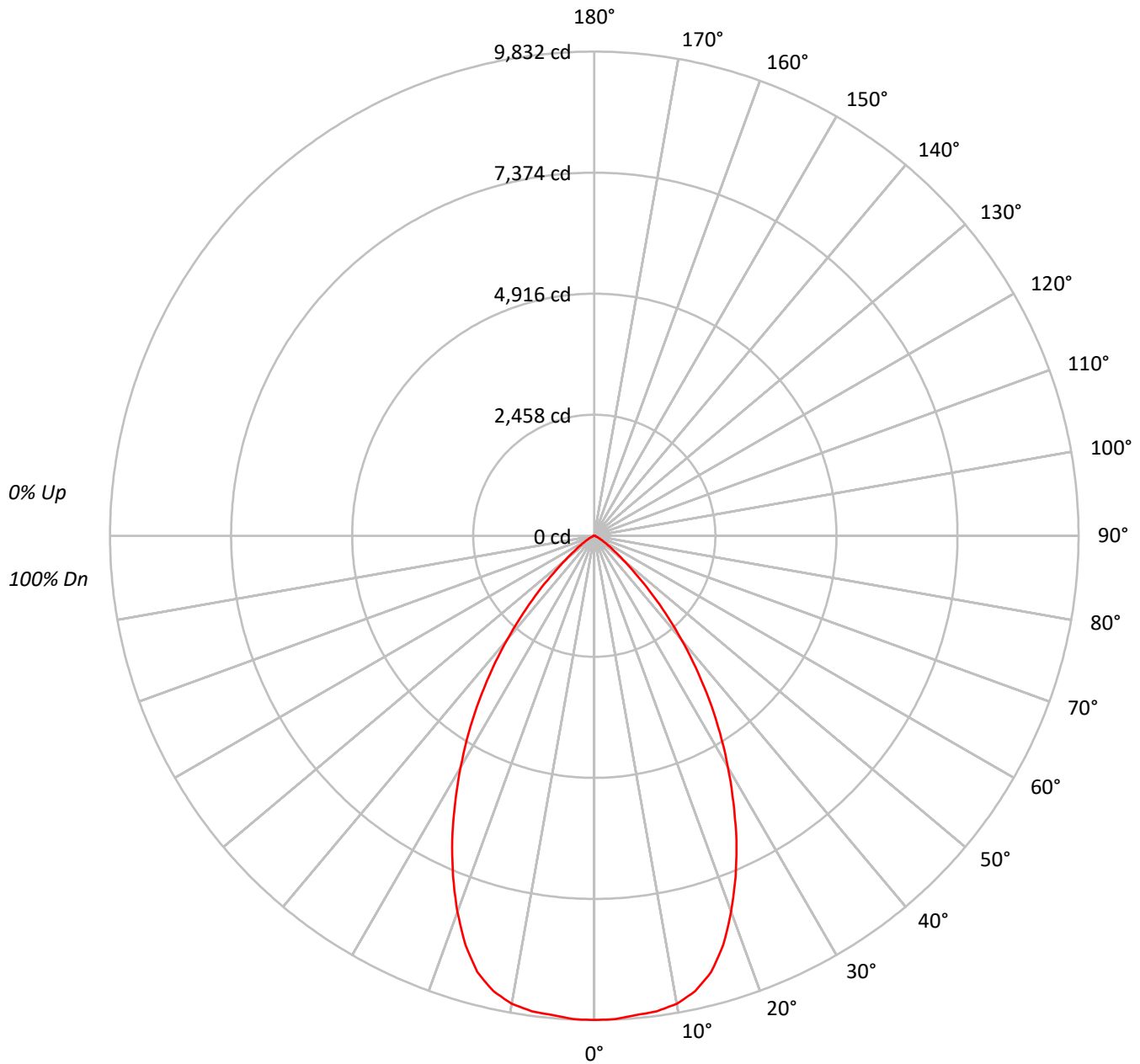


Downlight

TEST NUMBER: P774750

CATALOG NUMBER: LD6D95BD010-EU6DR6570959030-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P774750

CATALOG NUMBER: LD6D95BD010-EU6DR6570959030-6LBS1LI

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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	574203
5°	572756
10°	572268
15°	554625
20°	504917
25°	440007
30°	365958
35°	289969
40°	209289
45°	132219
50°	68918
55°	36626
60°	19238
65°	10586
70°	4440
75°	4897
80°	3397
85°	2881

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 132219 cd/sqm



TEST NUMBER: P774750

CATALOG NUMBER: LD6D95BD010-EU6DR6570959030-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	929.8	8.6
10°-20°	2546.0	23.5
20°-30°	3112.1	28.7
30°-40°	2525.1	23.3
40°-50°	1258.3	11.6
50°-60°	351.0	3.2
60°-70°	79.8	0.7
70°-80°	20.8	0.2
80°-90°	5.3	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°	6587.9	60.8
0°-40°	9113.0	84.2
0°-60°	10722.3	99.0
0°-90°	10828.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10828.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9832	
5°	9770	930
15°	9173	2546
25°	6828	3112
35°	4067	2525
45°	1601	1258
55°	360	351
65°	77	80
75°	22	21
85°	4	5
90°	0	



TEST NUMBER: P774750

CATALOG NUMBER: LD6D95BD010-EU6DR6570959030-6LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	9831.6
2.5°	9824.4
5°	9769.5
7.5°	9737.7
10°	9649.6
12.5°	9470.4
15°	9172.8
17.5°	8707.6
20°	8123.9
22.5°	7494.0
25°	6828.0
27.5°	6115.7
30°	5426.5
32.5°	4746.1
35°	4067.0
37.5°	3389.4
40°	2745.1
42.5°	2141.1
45°	1600.8
47.5°	1115.4
50°	758.5
52.5°	523.0
55°	359.7
57.5°	242.7
60°	164.7
62.5°	114.1
65°	76.6
67.5°	39.0
70°	26.0
72.5°	24.6
75°	21.7
77.5°	14.4
80°	10.1
82.5°	7.2
85°	4.3
87.5°	2.9
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)