

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: P774725

Luminaire Tested: LD6D95BD010-EU6DR6570959024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774725
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-EU6DR6570959024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8396.8 lumens
Efficiency: N/A
Efficacy: 84.6 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 (A_{in}): 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

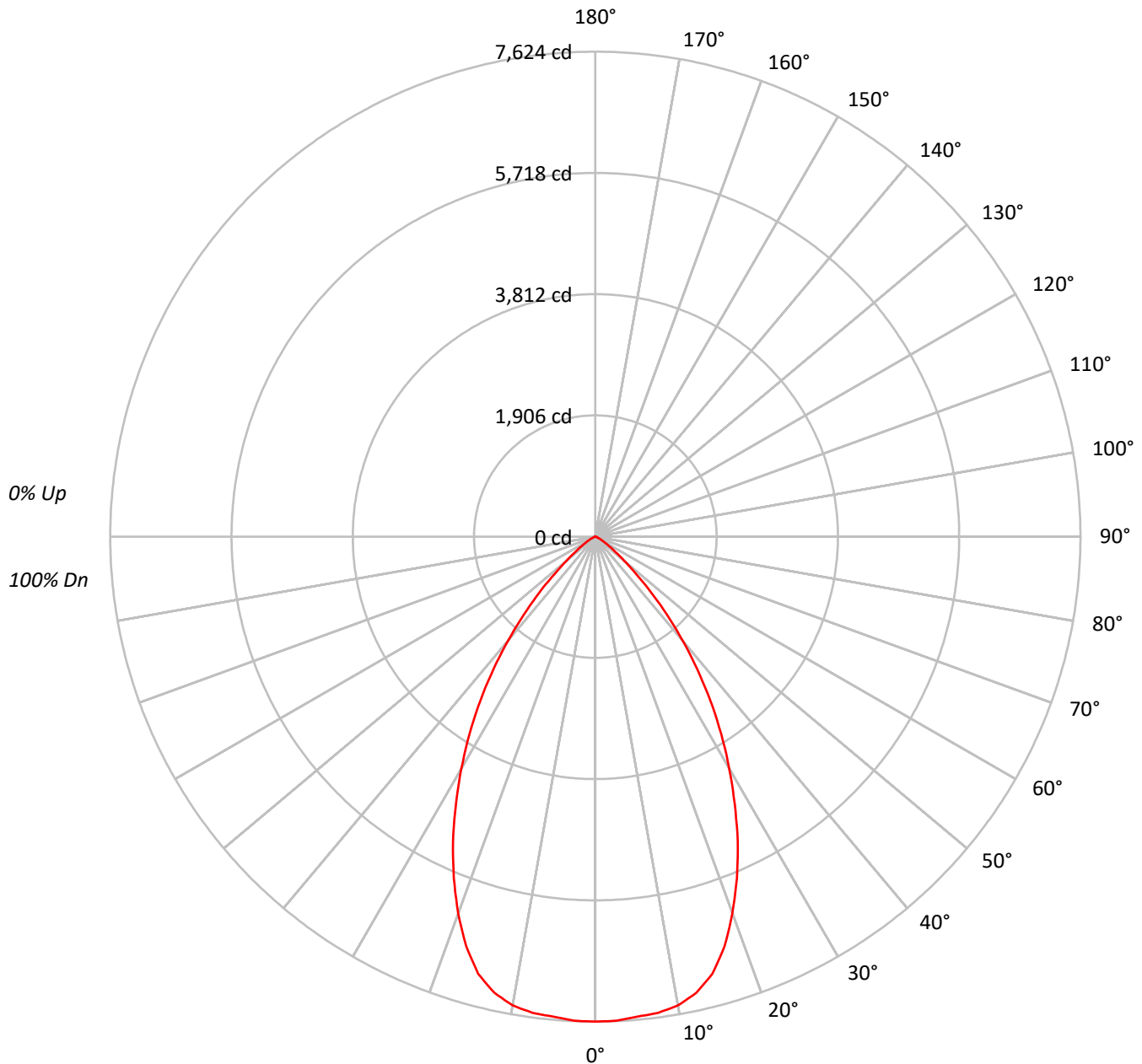


Downlight

TEST NUMBER: P774725

CATALOG NUMBER: LD6D95BD010-EU6DR6570959024-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774725

CATALOG NUMBER: LD6D95BD010-EU6DR6570959024-6LBS1MW

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	445277
5°	444152
10°	443772
15°	430093
20°	391546
25°	341205
30°	283790
35°	224860
40°	162294
45°	102534
50°	53444
55°	28409
60°	14916
65°	8209
70°	3449
75°	3791
80°	2623
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 102534 cd/sqm



TEST NUMBER: P774725

CATALOG NUMBER: LD6D95BD010-EU6DR6570959024-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.0	8.6
10°-20°	1974.4	23.5
20°-30°	2413.3	28.7
30°-40°	1958.1	23.3
40°-50°	975.8	11.6
50°-60°	272.2	3.2
60°-70°	61.8	0.7
70°-80°	16.1	0.2
80°-90°	4.1	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°	5108.7	60.8
0°-40°	7066.8	84.2
0°-60°	8314.8	99.0
0°-90°	8396.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8396.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7624	
5°	7576	721
15°	7113	1974
25°	5295	2413
35°	3154	1958
45°	1241	976
55°	279	272
65°	59	62
75°	17	16
85°	3	4
90°	0	



TEST NUMBER: P774725

CATALOG NUMBER: LD6D95BD010-EU6DR6570959024-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	7624.1
2.5°	7618.5
5°	7575.9
7.5°	7551.3
10°	7482.9
12.5°	7344.0
15°	7113.2
17.5°	6752.4
20°	6299.8
22.5°	5811.3
25°	5294.8
27.5°	4742.5
30°	4208.1
32.5°	3680.4
35°	3153.8
37.5°	2628.4
40°	2128.7
42.5°	1660.4
45°	1241.4
47.5°	864.9
50°	588.2
52.5°	405.6
55°	279.0
57.5°	188.2
60°	127.7
62.5°	88.5
65°	59.4
67.5°	30.2
70°	20.2
72.5°	19.0
75°	16.8
77.5°	11.2
80°	7.8
82.5°	5.6
85°	3.4
87.5°	2.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)