

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: P774799

Luminaire Tested: LD6D95BD010-EU6DR7070959024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR7070959024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7553.6 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

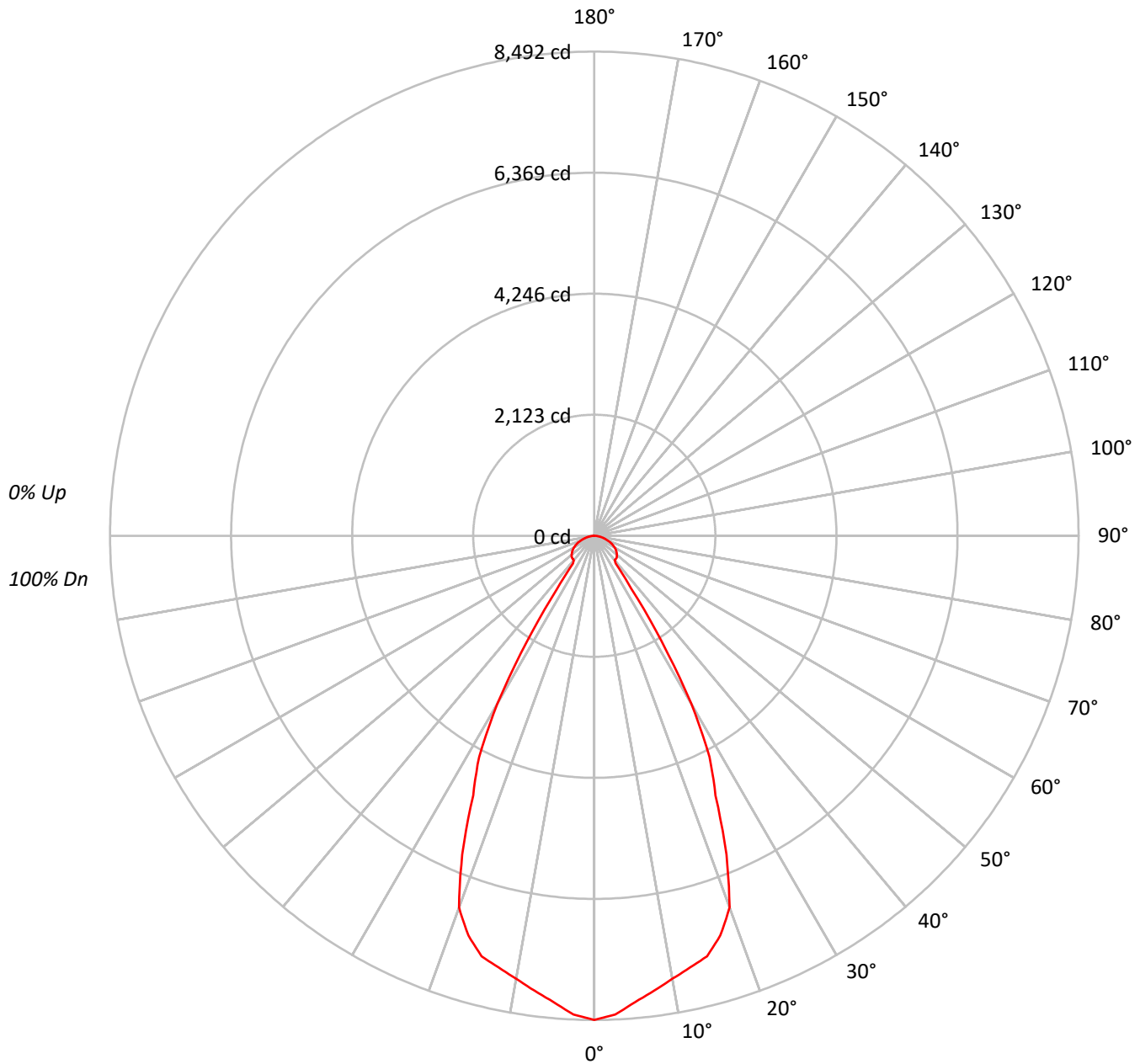


Downlight

TEST NUMBER: P774799

CATALOG NUMBER: LD6D95BD010-EU6DR7070959024-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774799

CATALOG NUMBER: LD6D95BD010-EU6DR7070959024-6LBDP1MW

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	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	927897
5°	900326
10°	875222
15°	863747
20°	806562
25°	605926
30°	428338
35°	151723
40°	79787
45°	84969
50°	87998
55°	89645
60°	90206
65°	88289
70°	83346
75°	77211
80°	68521
85°	55661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 90227 cd/sqm



TEST NUMBER: P774799

CATALOG NUMBER: LD6D95BD010-EU6DR7070959024-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.3	10.3
10°-20°	2123.8	28.1
20°-30°	2339.0	31.0
30°-40°	893.7	11.8
40°-50°	422.0	5.6
50°-60°	419.5	5.6
60°-70°	335.9	4.4
70°-80°	193.1	2.6
80°-90°	52.5	0.7
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°	5237.1	69.3
0°-40°	6130.7	81.2
0°-60°	6972.2	92.3
0°-90°	7553.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7553.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8492	
5°	8209	774
15°	7636	2124
25°	5026	2339
35°	1138	894
45°	550	422
55°	471	420
65°	342	336
75°	183	193
85°	44	52
90°	0	



TEST NUMBER: P774799

CATALOG NUMBER: LD6D95BD010-EU6DR7070959024-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	8492.5
2.5°	8403.7
5°	8208.8
7.5°	8046.1
10°	7888.7
12.5°	7755.6
15°	7636.0
17.5°	7346.9
20°	6936.8
22.5°	6052.0
25°	5026.1
27.5°	4375.3
30°	3395.1
32.5°	2193.0
35°	1137.5
37.5°	614.5
40°	559.4
42.5°	555.3
45°	549.9
47.5°	537.8
50°	517.7
52.5°	494.8
55°	470.6
57.5°	443.7
60°	412.8
62.5°	377.8
65°	341.5
67.5°	301.2
70°	260.9
72.5°	220.5
75°	182.9
77.5°	143.9
80°	108.9
82.5°	76.6
85°	44.4
87.5°	17.5
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)