

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: P774849

Luminaire Tested: LD6D95BD010-EU6DR7070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774849
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-EU6DR7070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11937.7 lumens
Efficiency: N/A
Efficacy: 120.3 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

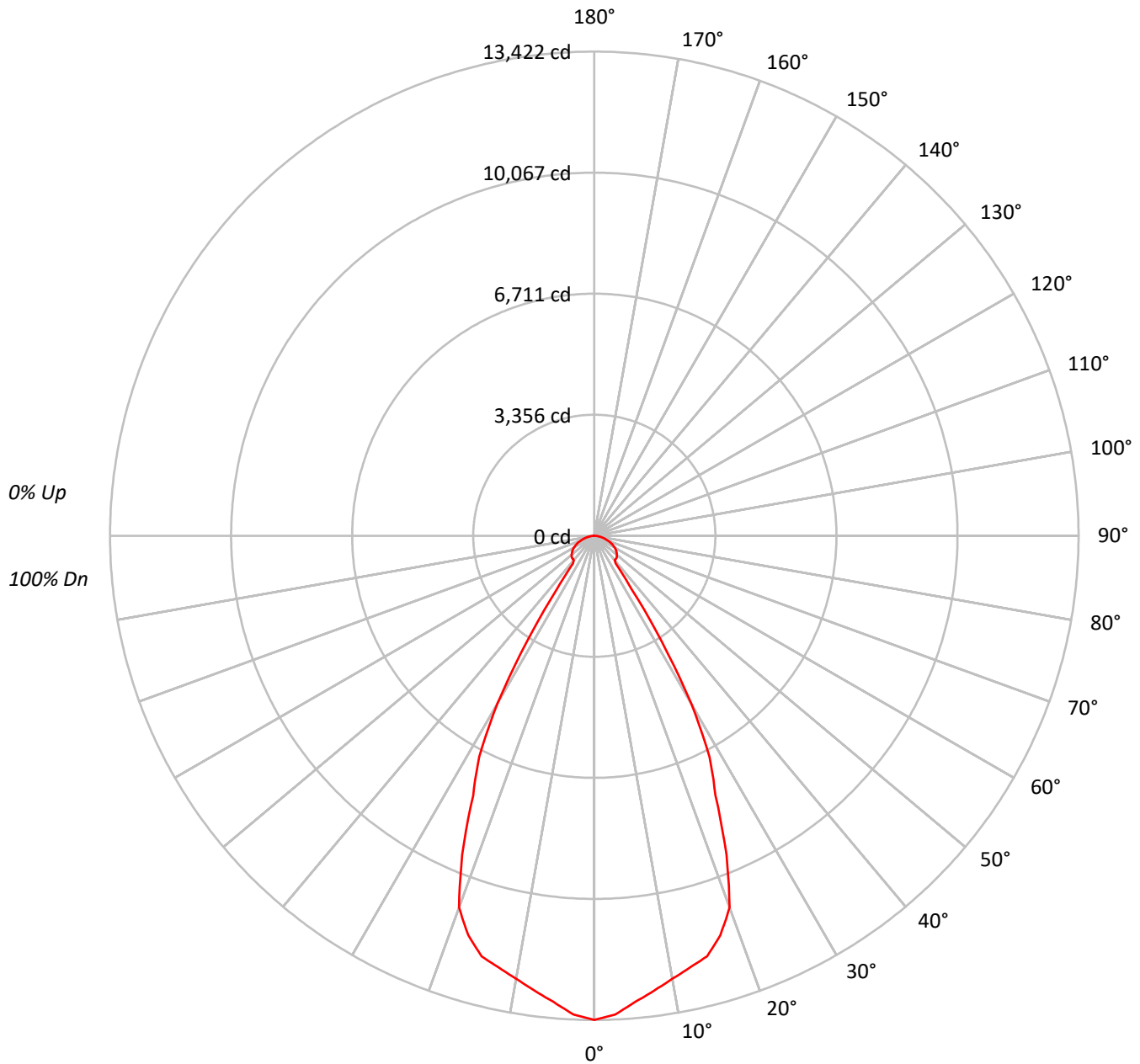


Downlight

TEST NUMBER: P774849

CATALOG NUMBER: LD6D95BD010-EU6DR7070959040-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P774849

CATALOG NUMBER: LD6D95BD010-EU6DR7070959040-6LBDP1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1466443
5°	1422865
10°	1383212
15°	1365061
20°	1274688
25°	957600
30°	676943
35°	239782
40°	126085
45°	134292
50°	139060
55°	141668
60°	142563
65°	139530
70°	131680
75°	122002
80°	108287
85°	87879

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 142590 cd/sqm

TEST NUMBER: P774849

CATALOG NUMBER: LD6D95BD010-EU6DR7070959040-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1223.6	10.3
10°-20°	3356.4	28.1
20°-30°	3696.6	31.0
30°-40°	1412.4	11.8
40°-50°	666.9	5.6
50°-60°	663.0	5.6
60°-70°	530.8	4.4
70°-80°	305.1	2.6
80°-90°	82.9	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°	8276.7	69.3
0°-40°	9689.0	81.2
0°-60°	11018.9	92.3
0°-90°	11937.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11937.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13422	
5°	12973	###
15°	12068	3356
25°	7943	3697
35°	1798	1412
45°	869	667
55°	744	663
65°	540	531
75°	289	305
85°	70	83
90°	0	



TEST NUMBER: P774849

CATALOG NUMBER: LD6D95BD010-EU6DR7070959040-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	13421.5
2.5°	13281.2
5°	12973.1
7.5°	12716.0
10°	12467.4
12.5°	12257.0
15°	12067.9
17.5°	11611.0
20°	10962.9
22.5°	9564.6
25°	7943.2
27.5°	6914.7
30°	5365.6
32.5°	3465.9
35°	1797.7
37.5°	971.1
40°	884.0
42.5°	877.6
45°	869.1
47.5°	850.0
50°	818.1
52.5°	782.0
55°	743.7
57.5°	701.2
60°	652.4
62.5°	597.1
65°	539.7
67.5°	476.0
70°	412.2
72.5°	348.5
75°	289.0
77.5°	227.4
80°	172.1
82.5°	121.1
85°	70.1
87.5°	27.6
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)