

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: P774319

Luminaire Tested: LD6D95BD010-EU6DR3570959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3570959050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11141.6 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

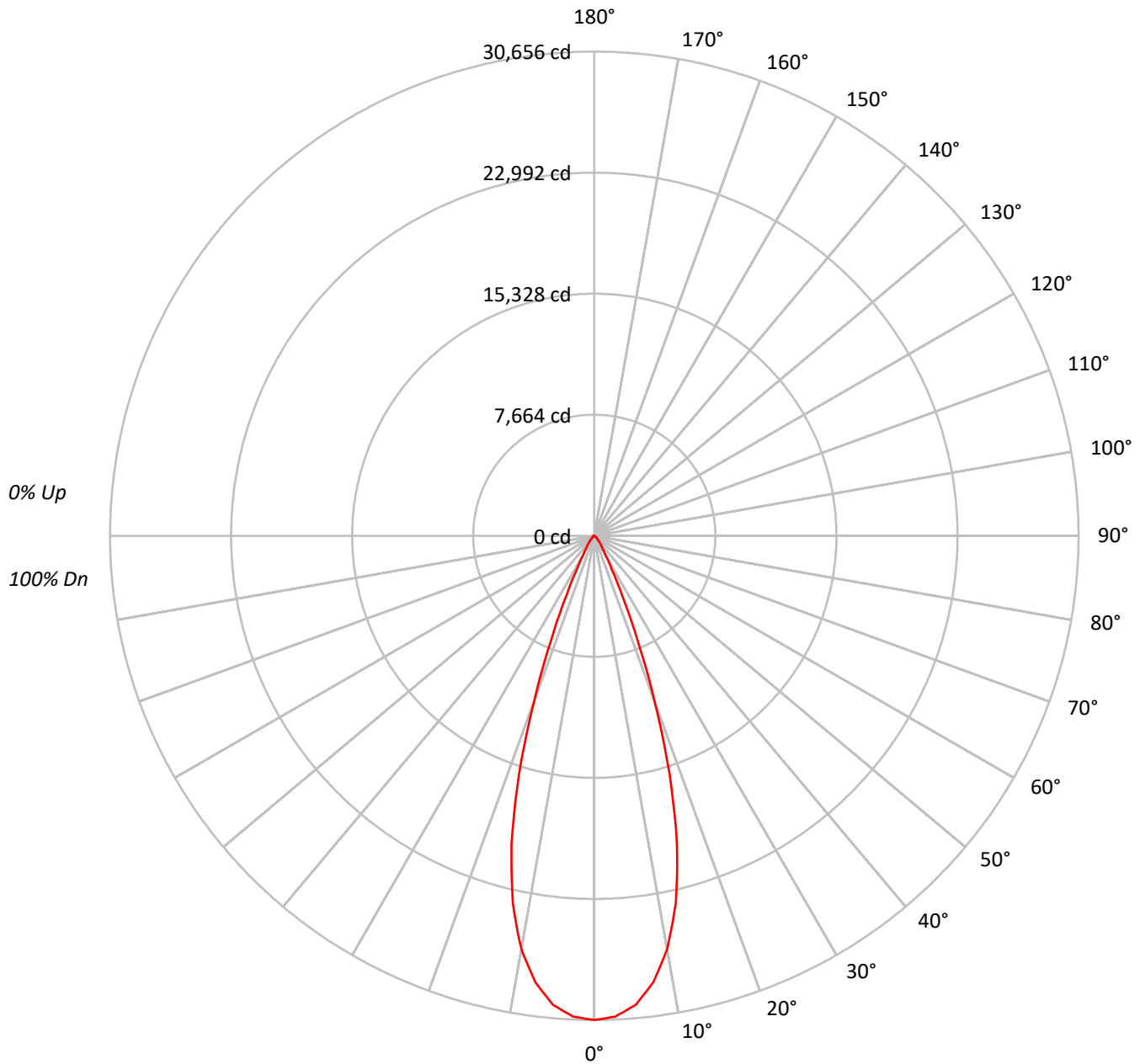


Downlight

TEST NUMBER: P774319

CATALOG NUMBER: LD6D95BD010-EU6DR3570959050-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P774319

CATALOG NUMBER: LD6D95BD010-EU6DR3570959050-6LBS1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	115	112	110	108	112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	106	103	101	108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94	105	100	96	93		97	95	92		95	93	91		93	91	89
4	103	97	92	89	101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85	98	92	87	84		90	86	84		89	85	83		87	84	82
6	96	89	84	81	94	88	84	81		87	83	80		85	82	80		84	81	79
7	93	85	81	78	91	85	80	77		84	80	77		83	79	77		82	79	76
8	90	82	78	74	88	82	77	74		81	77	74		80	76	74		79	76	73
9	87	79	75	72	86	79	75	72		78	74	71		77	74	71		77	73	71
10	84	77	72	69	83	76	72	69		76	72	69		75	71	69		74	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3349498
5°	3270799
10°	2947854
15°	2288012
20°	1297721
25°	504876
30°	188349
35°	103238
40°	67478
45°	41071
50°	26143
55°	18478
60°	13526
65°	7342
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41071 cd/sqm



TEST NUMBER: P774319

CATALOG NUMBER: LD6D95BD010-EU6DR3570959050-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2742.7	24.6
10°-20°	5355.0	48.1
20°-30°	2184.0	19.6
30°-40°	522.6	4.7
40°-50°	217.8	2.0
50°-60°	90.2	0.8
60°-70°	28.2	0.3
70°-80°	0.7	0.0
80°-90°	0.5	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°	10281.7	92.3
0°-40°	10804.3	97.0
0°-60°	11112.3	99.7
0°-90°	11141.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11141.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30656	
5°	29822	###
15°	20227	5355
25°	4188	2184
35°	774	523
45°	266	218
55°	97	90
65°	28	28
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P774319

CATALOG NUMBER: LD6D95BD010-EU6DR3570959050-6LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	30656.0
2.5°	30472.1
5°	29821.8
7.5°	28524.5
10°	26570.1
12.5°	23818.3
15°	20227.3
17.5°	15835.4
20°	11161.0
22.5°	7116.9
25°	4187.9
27.5°	2367.3
30°	1492.9
32.5°	1048.2
35°	774.0
37.5°	598.5
40°	473.1
42.5°	364.5
45°	265.8
47.5°	198.9
50°	153.8
52.5°	122.0
55°	97.0
57.5°	78.6
60°	61.9
62.5°	45.1
65°	28.4
67.5°	10.0
70°	1.7
72.5°	1.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)