

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: P774660

Luminaire Tested: LD6D95BD010-EU6DR6070959027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6070959027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10887.3 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

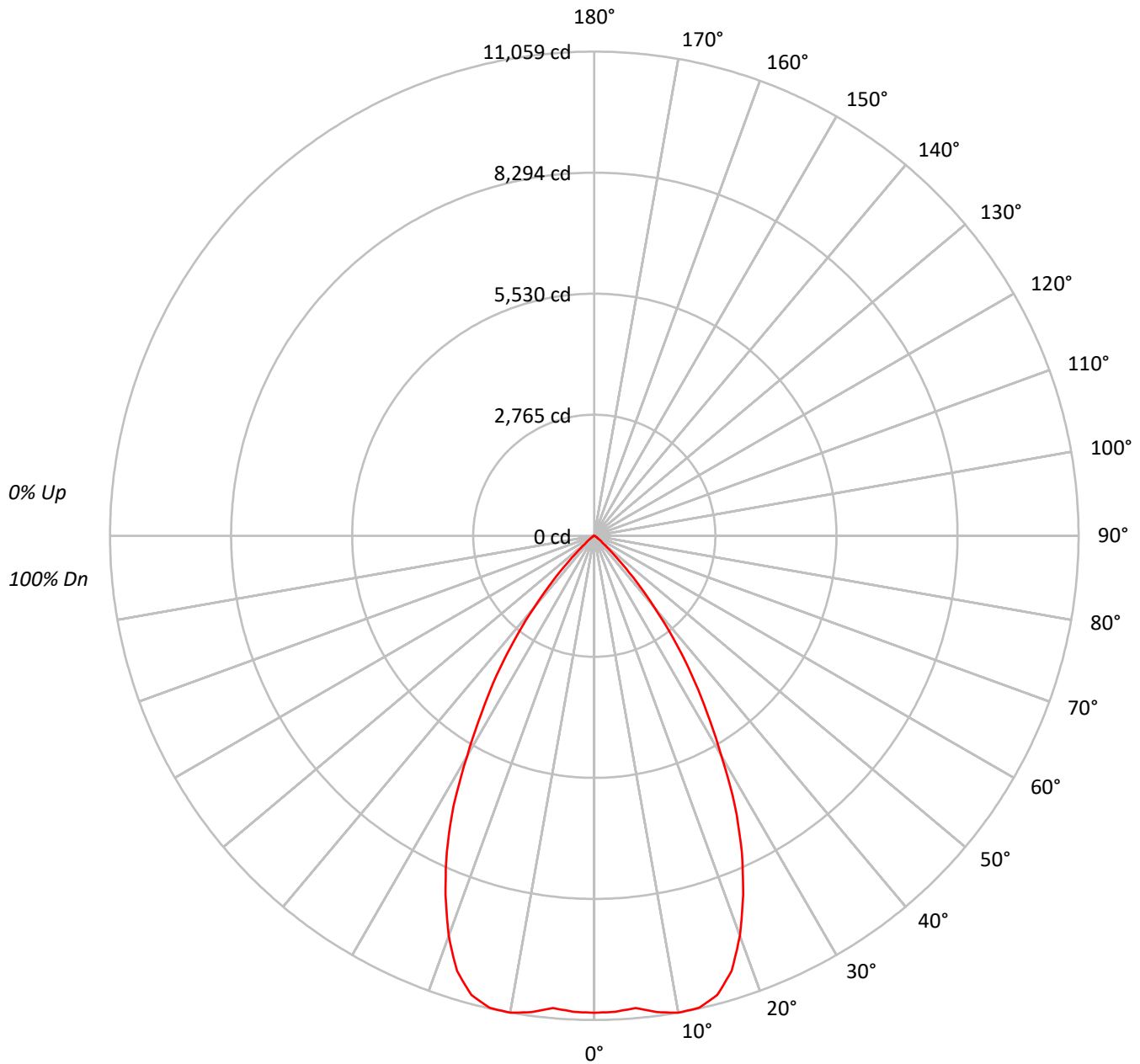


Downlight

TEST NUMBER: P774660

CATALOG NUMBER: LD6D95BD010-EU6DR6070959027-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774660

CATALOG NUMBER: LD6D95BD010-EU6DR6070959027-6LBS1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	87	79	73	68	86	78	72	68	76	71	68		75	70	67		74
7	83	74	68	63	82	73	67	63	72	67	63		71	66	63		69
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1190429
5°	1187529
10°	1226966
15°	1228237
20°	1130102
25°	961228
30°	732429
35°	517939
40°	304144
45°	122718
50°	40982
55°	19716
60°	8107
65°	1189
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 122718 cd/sqm



TEST NUMBER: P774660

CATALOG NUMBER: LD6D95BD010-EU6DR6070959027-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1044.5	9.6
10°-20°	3008.1	27.6
20°-30°	3600.3	33.1
30°-40°	2408.1	22.1
40°-50°	713.9	6.6
50°-60°	102.6	0.9
60°-70°	9.7	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	7652.9	70.3
0°-40°	10061.0	92.4
0°-60°	10877.6	99.9
0°-90°	10887.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10887.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10895	
5°	10827	###
15°	10858	3008
25°	7973	3600
35°	3883	2408
45°	794	714
55°	104	103
65°	5	10
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774660

CATALOG NUMBER: LD6D95BD010-EU6DR6070959027-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	10895.3
2.5°	10881.4
5°	10827.4
7.5°	10974.1
10°	11059.1
12.5°	11043.7
15°	10858.3
17.5°	10421.0
20°	9719.4
22.5°	8877.3
25°	7973.3
27.5°	6955.0
30°	5805.4
32.5°	4779.4
35°	3883.1
37.5°	2985.4
40°	2132.4
42.5°	1406.1
45°	794.2
47.5°	406.4
50°	241.1
52.5°	156.1
55°	103.5
57.5°	66.4
60°	37.1
62.5°	15.5
65°	4.6
67.5°	1.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)