

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: P774270

Luminaire Tested: LD6D95BD010-EU6DR3570959027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774270
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-EU6DR3570959027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10372.5 lumens
Efficiency: N/A
Efficacy: 104.6 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 (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

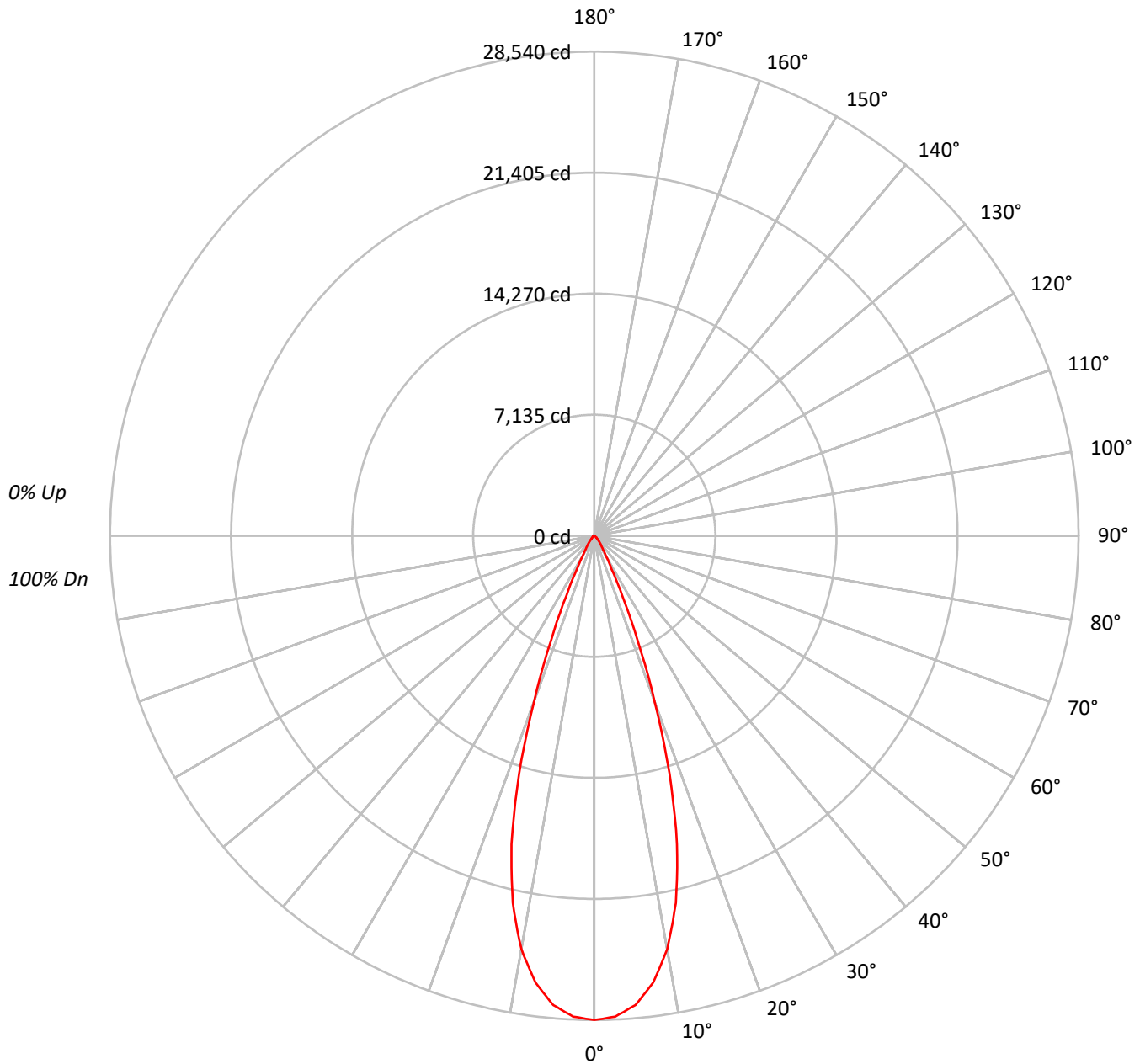


Downlight

TEST NUMBER: P774270

CATALOG NUMBER: LD6D95BD010-EU6DR3570959027-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774270

CATALOG NUMBER: LD6D95BD010-EU6DR3570959027-6LBS1MW

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84		
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75		
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70		
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3118269
5°	3044993
10°	2744345
15°	2130047
20°	1208133
25°	470023
30°	175355
35°	96116
40°	62828
45°	38243
50°	24341
55°	17201
60°	12587
65°	6851
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38243 cd/sqm



TEST NUMBER: P774270

CATALOG NUMBER: LD6D95BD010-EU6DR3570959027-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2553.4	24.6
10°-20°	4985.3	48.1
20°-30°	2033.2	19.6
30°-40°	486.6	4.7
40°-50°	202.8	2.0
50°-60°	84.0	0.8
60°-70°	26.3	0.3
70°-80°	0.6	0.0
80°-90°	0.4	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°	9571.9	92.3
0°-40°	10058.4	97.0
0°-60°	10345.2	99.7
0°-90°	10372.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10372.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28540	
5°	27763	###
15°	18831	4985
25°	3899	2033
35°	721	487
45°	248	203
55°	90	84
65°	26	26
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P774270

CATALOG NUMBER: LD6D95BD010-EU6DR3570959027-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	28539.7
2.5°	28368.4
5°	27763.0
7.5°	26555.2
10°	24735.8
12.5°	22174.0
15°	18830.8
17.5°	14742.2
20°	10390.5
22.5°	6625.6
25°	3898.8
27.5°	2203.9
30°	1389.9
32.5°	975.9
35°	720.6
37.5°	557.2
40°	440.5
42.5°	339.3
45°	247.5
47.5°	185.2
50°	143.2
52.5°	113.6
55°	90.3
57.5°	73.2
60°	57.6
62.5°	42.0
65°	26.5
67.5°	9.3
70°	1.6
72.5°	1.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)