

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: P774283

Luminaire Tested: LD6D95BD010-EU6DR3570959030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774283
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-EU6DR3570959030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10685.9 lumens
Efficiency: N/A
Efficacy: 107.7 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

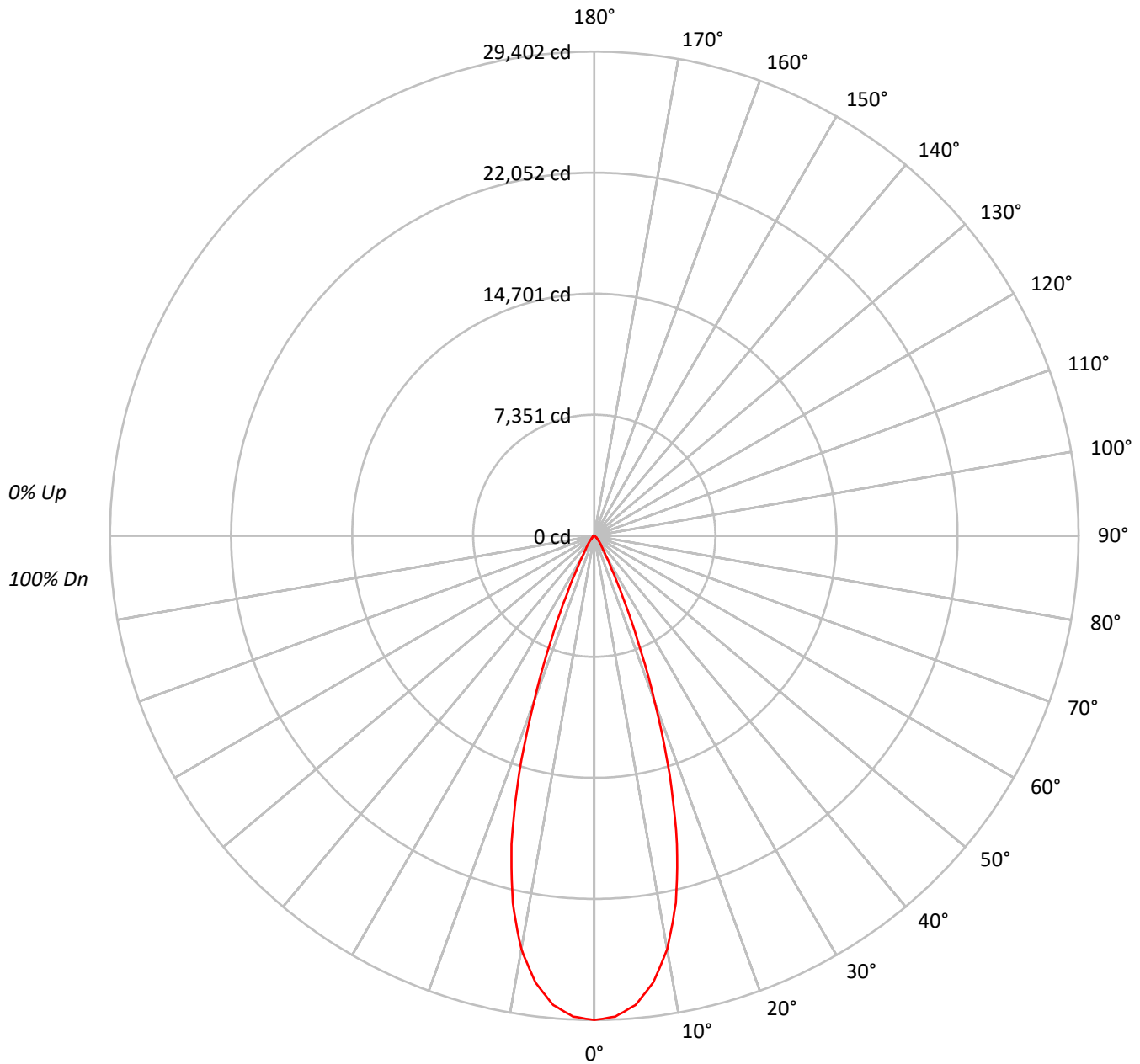


Downlight

TEST NUMBER: P774283

CATALOG NUMBER: LD6D95BD010-EU6DR3570959030-6LBS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P774283

CATALOG NUMBER: LD6D95BD010-EU6DR3570959030-6LBS1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3212496
5°	3137013
10°	2827277
15°	2194421
20°	1244643
25°	484225
30°	180653
35°	99023
40°	64725
45°	39387
50°	25072
55°	17716
60°	12958
65°	7058
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39387 cd/sqm



TEST NUMBER: P774283

CATALOG NUMBER: LD6D95BD010-EU6DR3570959030-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2630.5	24.6
10°-20°	5136.0	48.1
20°-30°	2094.6	19.6
30°-40°	501.3	4.7
40°-50°	208.9	2.0
50°-60°	86.5	0.8
60°-70°	27.1	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°	9861.1	92.3
0°-40°	10362.4	97.0
0°-60°	10657.8	99.7
0°-90°	10685.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10685.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29402	
5°	28602	###
15°	19400	5136
25°	4017	2095
35°	742	501
45°	255	209
55°	93	86
65°	27	27
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P774283

CATALOG NUMBER: LD6D95BD010-EU6DR3570959030-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	29402.1
2.5°	29225.7
5°	28602.0
7.5°	27357.7
10°	25483.3
12.5°	22844.1
15°	19399.9
17.5°	15187.7
20°	10704.5
22.5°	6825.8
25°	4016.6
27.5°	2270.5
30°	1431.9
32.5°	1005.4
35°	742.4
37.5°	574.0
40°	453.8
42.5°	349.5
45°	254.9
47.5°	190.8
50°	147.5
52.5°	117.1
55°	93.0
57.5°	75.4
60°	59.3
62.5°	43.3
65°	27.3
67.5°	9.6
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)