

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: P774829

Luminaire Tested: LD6D95BD010-EU6DR7070959030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR7070959030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11280.7 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
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

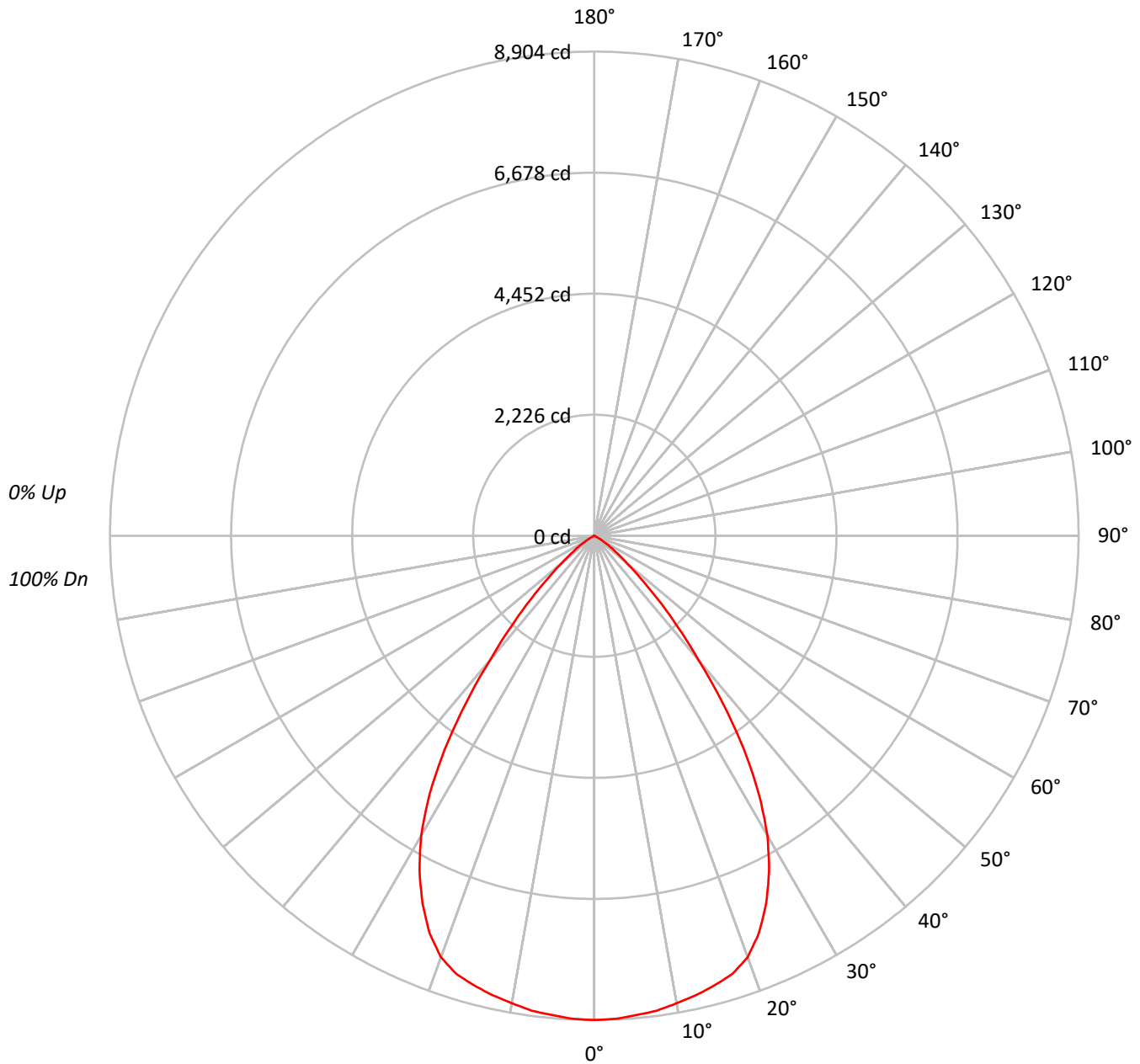


Downlight

TEST NUMBER: P774829

CATALOG NUMBER: LD6D95BD010-EU6DR7070959030-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774829

CATALOG NUMBER: LD6D95BD010-EU6DR7070959030-6LBS1MW

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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	85	82		87	84	81		85
4	95	87	81	76	93	86	80	76	83	78	75		81	77	74		79
5	89	80	74	69	88	79	73	69	78	72	68		76	71	68		74
6	84	75	68	63	83	74	68	63	72	67	63		71	66	62		69
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61
9	71	61	54	50	70	60	54	50	59	53	50		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	972825
5°	970399
10°	968295
15°	968027
20°	958554
25°	900444
30°	802753
35°	640037
40°	424980
45°	254074
50°	131717
55°	69224
60°	24496
65°	414
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 254074 cd/sqm



TEST NUMBER: P774829

CATALOG NUMBER: LD6D95BD010-EU6DR7070959030-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.4	7.5
10°-20°	2413.2	21.4
20°-30°	3404.3	30.2
30°-40°	2938.8	26.1
40°-50°	1316.0	11.7
50°-60°	344.6	3.1
60°-70°	22.4	0.2
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°	6658.9	59.0
0°-40°	9597.7	85.1
0°-60°	11258.3	99.8
0°-90°	11280.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11280.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8904	
5°	8848	841
15°	8558	2413
25°	7469	3404
35°	4798	2939
45°	1644	1316
55°	363	345
65°	2	22
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774829

CATALOG NUMBER: LD6D95BD010-EU6DR7070959030-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	8903.7
2.5°	8894.1
5°	8847.7
7.5°	8809.2
10°	8727.6
12.5°	8653.9
15°	8557.9
17.5°	8447.4
20°	8244.0
22.5°	7909.4
25°	7469.1
27.5°	6958.4
30°	6362.8
32.5°	5634.3
35°	4798.5
37.5°	3876.3
40°	2979.6
42.5°	2263.9
45°	1644.3
47.5°	1133.6
50°	774.9
52.5°	534.8
55°	363.4
57.5°	219.4
60°	112.1
62.5°	35.2
65°	1.6
67.5°	0.0
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)