

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: P774449

Luminaire Tested: LD6D95BD010-EU6DR4570959035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR4570959035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11407.5 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

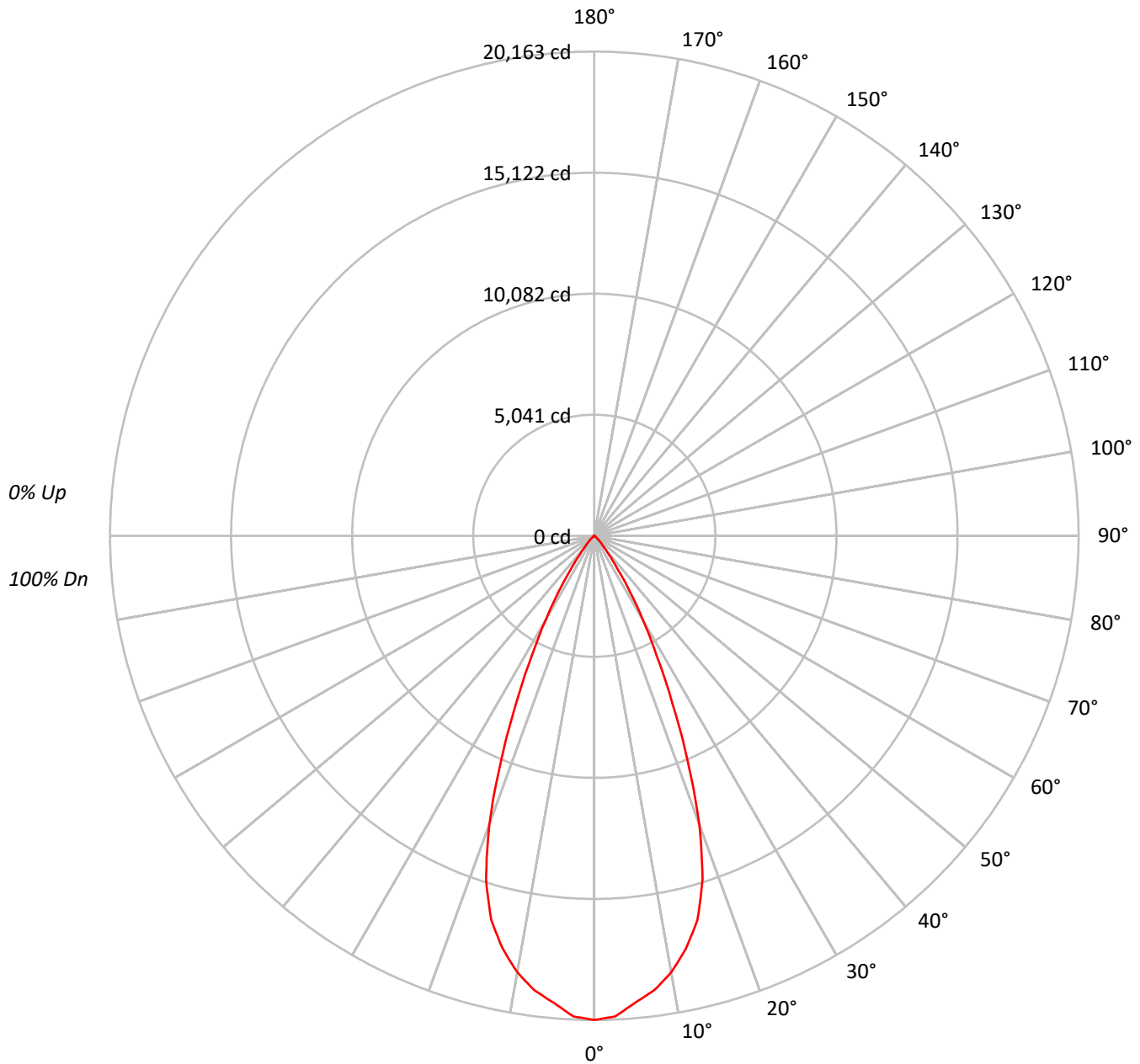


Downlight

TEST NUMBER: P774449

CATALOG NUMBER: LD6D95BD010-EU6DR4570959035-6LBS1B

Luminous Intensity Polar Plot



TEST NUMBER: P774449

CATALOG NUMBER: LD6D95BD010-EU6DR4570959035-6LBS1B

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	112	110	108	112	110	108	106	106	104	103		102	101	100		98
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	68	65		71	67	64		71
10	79	70	65	62	78	70	65	62	69	65	62		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2203014
5°	2140292
10°	2047680
15°	1874056
20°	1486781
25°	928220
30°	511605
35°	229725
40°	90484
45°	42632
50°	20211
55°	10572
60°	5201
65°	1241
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42632 cd/sqm



TEST NUMBER: P774449

CATALOG NUMBER: LD6D95BD010-EU6DR4570959035-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1833.6	16.1
10°-20°	4512.6	39.6
20°-30°	3573.5	31.3
30°-40°	1190.0	10.4
40°-50°	236.2	2.1
50°-60°	53.6	0.5
60°-70°	7.7	0.1
70°-80°	0.2	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°	9919.7	87.0
0°-40°	11109.7	97.4
0°-60°	11399.5	99.9
0°-90°	11407.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11407.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20163	
5°	19514	###
15°	16568	4513
25°	7700	3574
35°	1722	1190
45°	276	236
55°	56	54
65°	5	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774449

CATALOG NUMBER: LD6D95BD010-EU6DR4570959035-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	20162.9
2.5°	20031.3
5°	19514.3
7.5°	19087.7
10°	18456.5
12.5°	17616.0
15°	16567.7
17.5°	14991.3
20°	12787.0
22.5°	10160.7
25°	7699.5
27.5°	5637.8
30°	4055.1
32.5°	2757.8
35°	1722.3
37.5°	1021.3
40°	634.4
42.5°	417.1
45°	275.9
47.5°	177.6
50°	118.9
52.5°	79.3
55°	55.5
57.5°	36.5
60°	23.8
62.5°	12.7
65°	4.8
67.5°	1.6
70°	1.6
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)