

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: P774476

Luminaire Tested: LD6D95BD010-EU6DR4570959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774476
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-EU6DR4570959050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12841.4 lumens
Efficiency: N/A
Efficacy: 129.4 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

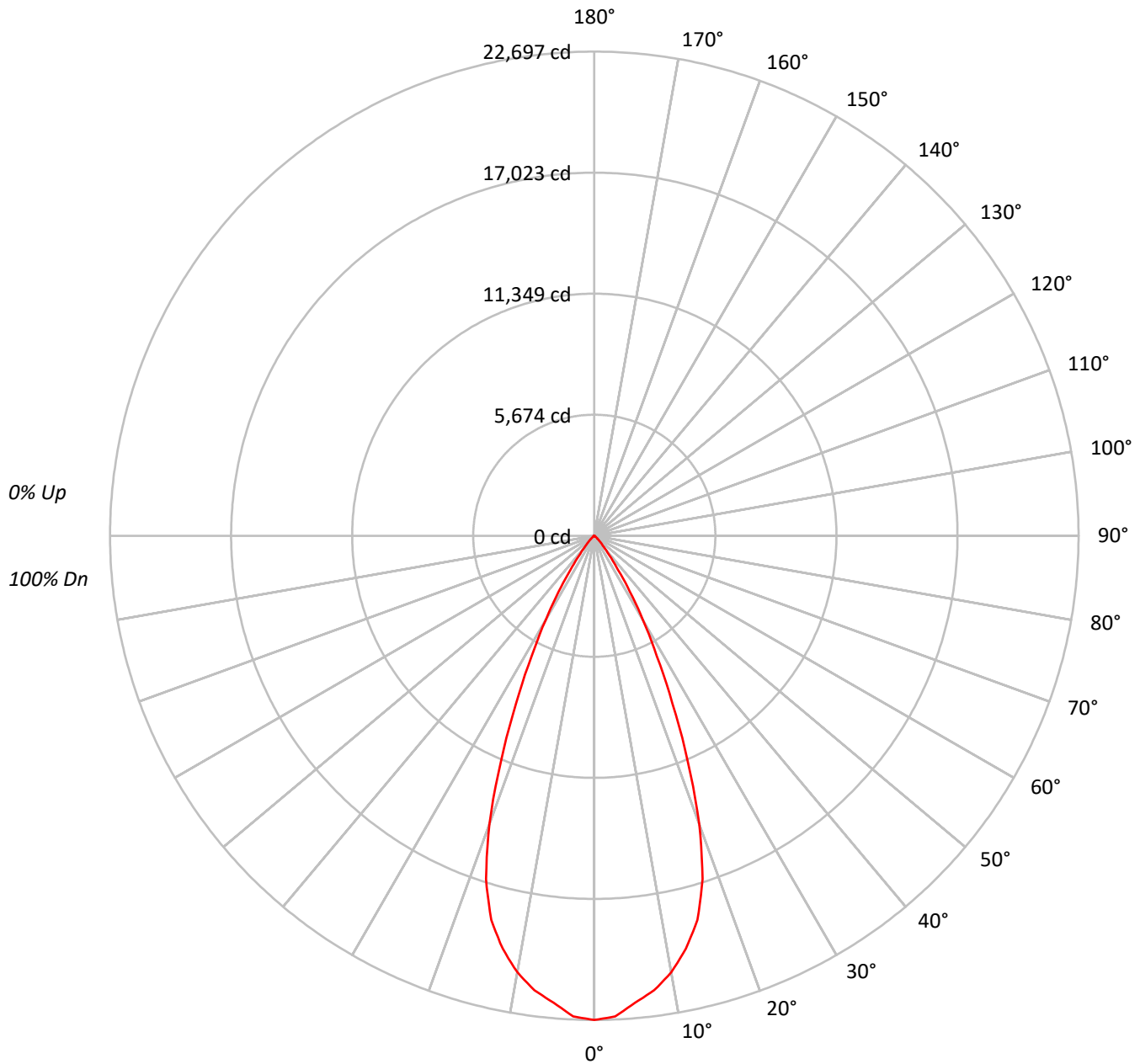


Downlight

TEST NUMBER: P774476

CATALOG NUMBER: LD6D95BD010-EU6DR4570959050-6LBS1H

Luminous Intensity Polar Plot



TEST NUMBER: P774476

CATALOG NUMBER: LD6D95BD010-EU6DR4570959050-6LBS1H

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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108	112	110	108	106		106	104	103			102	101	100			95
2	109	105	102	99	107	103	100	98		100	98	95			97	95	93			90
3	105	99	95	91	103	98	94	91		95	92	89			93	90	88			85
4	100	94	89	85	99	93	88	85		91	87	84			89	86	83			81
5	96	89	84	80	95	88	83	80		86	82	79			85	81	79			77
6	92	85	80	76	91	84	79	76		83	78	75			81	77	75			73
7	89	81	75	72	87	80	75	72		79	74	71			78	74	71			69
8	85	77	72	68	84	76	71	68		75	71	68			74	70	67			66
9	82	73	68	65	81	73	68	65		72	68	65			71	67	64			63
10	79	70	65	62	78	70	65	62		69	65	62			68	64	61			60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2479935
5°	2409321
10°	2305075
15°	2109618
20°	1673667
25°	1044894
30°	575911
35°	258602
40°	101852
45°	47993
50°	22760
55°	11906
60°	5856
65°	1396
70°	575
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47993 cd/sqm



TEST NUMBER: P774476

CATALOG NUMBER: LD6D95BD010-EU6DR4570959050-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2064.0	16.1
10°-20°	5079.8	39.6
20°-30°	4022.7	31.3
30°-40°	1339.6	10.4
40°-50°	265.9	2.1
50°-60°	60.4	0.5
60°-70°	8.7	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°	11166.6	87.0
0°-40°	12506.2	97.4
0°-60°	12832.4	99.9
0°-90°	12841.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12841.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22697	
5°	21967	###
15°	18650	5080
25°	8667	4023
35°	1939	1340
45°	311	266
55°	62	60
65°	5	9
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774476

CATALOG NUMBER: LD6D95BD010-EU6DR4570959050-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	22697.4
2.5°	22549.2
5°	21967.2
7.5°	21487.0
10°	20776.5
12.5°	19830.3
15°	18650.2
17.5°	16875.7
20°	14394.3
22.5°	11437.9
25°	8667.3
27.5°	6346.5
30°	4564.8
32.5°	3104.5
35°	1938.8
37.5°	1149.7
40°	714.1
42.5°	469.5
45°	310.6
47.5°	199.9
50°	133.9
52.5°	89.3
55°	62.5
57.5°	41.1
60°	26.8
62.5°	14.3
65°	5.4
67.5°	1.8
70°	1.8
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)