

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: P756763

Luminaire Tested: LD4D95BD010-EU4DR7070959030-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959030-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9354.1 lumens
Efficiency: N/A
Efficacy: 94.3 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 (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

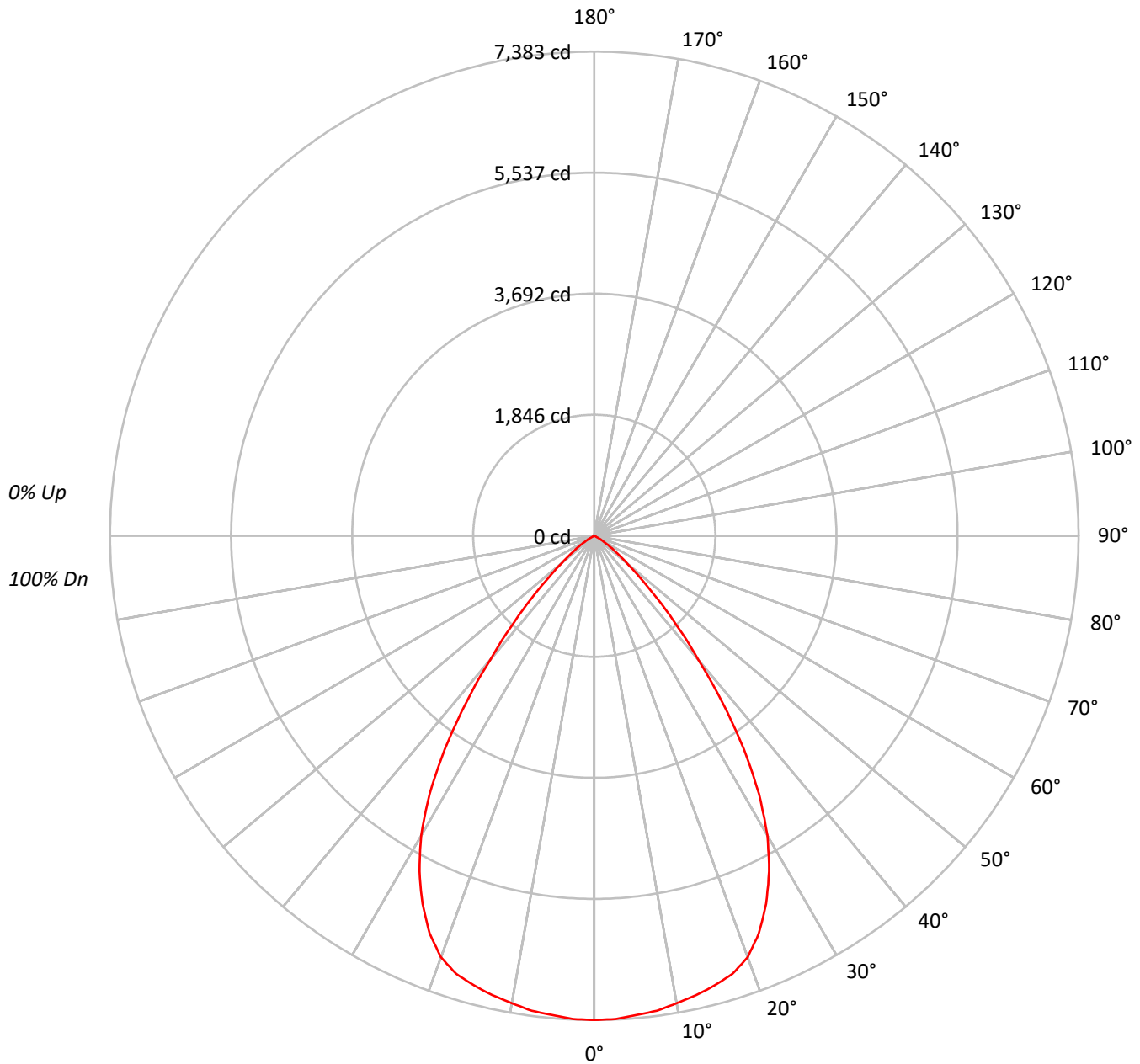


Downlight

TEST NUMBER: P756763

CATALOG NUMBER: LD4D95BD010-EU4DR7070959030-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P756763

CATALOG NUMBER: LD4D95BD010-EU4DR7070959030-4LBS1H

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	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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78		
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65		
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60		
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56		
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51		
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48		
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	806683
5°	804664
10°	802918
15°	802698
20°	794853
25°	746663
30°	665651
35°	530730
40°	352410
45°	210685
50°	109229
55°	57414
60°	20301
65°	336
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 210685 cd/sqm



TEST NUMBER: P756763

CATALOG NUMBER: LD4D95BD010-EU4DR7070959030-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.7	7.5
10°-20°	2001.0	21.4
20°-30°	2822.9	30.2
30°-40°	2436.9	26.1
40°-50°	1091.3	11.7
50°-60°	285.7	3.1
60°-70°	18.6	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°	5521.6	59.0
0°-40°	7958.5	85.1
0°-60°	9335.5	99.8
0°-90°	9354.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9354.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7383	
5°	7337	698
15°	7096	2001
25°	6194	2823
35°	3979	2437
45°	1364	1091
55°	301	286
65°	1	19
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756763

CATALOG NUMBER: LD4D95BD010-EU4DR7070959030-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	7383.1
2.5°	7375.1
5°	7336.6
7.5°	7304.7
10°	7237.0
12.5°	7175.9
15°	7096.3
17.5°	7004.7
20°	6836.1
22.5°	6558.6
25°	6193.5
27.5°	5770.0
30°	5276.1
32.5°	4672.0
35°	3979.0
37.5°	3214.2
40°	2470.8
42.5°	1877.3
45°	1363.5
47.5°	940.0
50°	642.6
52.5°	443.4
55°	301.4
57.5°	181.9
60°	92.9
62.5°	29.2
65°	1.3
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)