

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: P774838

Luminaire Tested: LD6D95BD010-EU6DR7070959035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR7070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8908.1 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

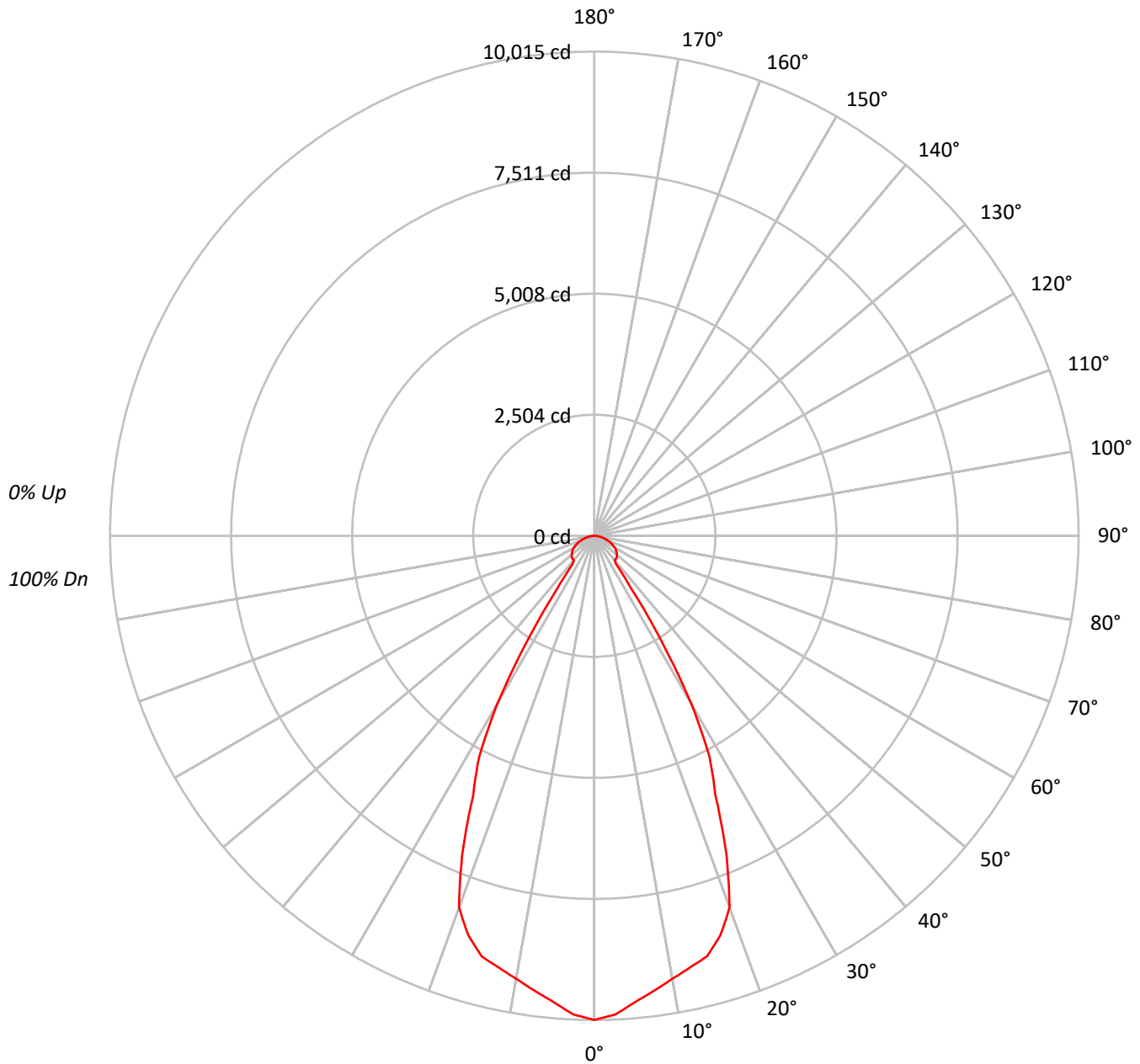


Downlight

TEST NUMBER: P774838

CATALOG NUMBER: LD6D95BD010-EU6DR7070959035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774838

CATALOG NUMBER: LD6D95BD010-EU6DR7070959035-6LB DP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	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	102	102	102	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1094268
5°	1061750
10°	1032155
15°	1018612
20°	951182
25°	714571
30°	505146
35°	178933
40°	94079
45°	100205
50°	103773
55°	105722
60°	106376
65°	104137
70°	98265
75°	91058
80°	80790
85°	65565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 106414 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.1	10.3
10°-20°	2504.6	28.1
20°-30°	2758.4	31.0
30°-40°	1053.9	11.8
40°-50°	497.6	5.6
50°-60°	494.7	5.6
60°-70°	396.1	4.4
70°-80°	227.7	2.6
80°-90°	61.9	0.7
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°	6176.1	69.3
0°-40°	7230.0	81.2
0°-60°	8222.4	92.3
0°-90°	8908.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8908.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10015	
5°	9681	913
15°	9005	2505
25°	5927	2758
35°	1342	1054
45°	648	498
55°	555	495
65°	403	396
75°	216	228
85°	52	62
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10015.2
2.5°	9910.6
5°	9680.6
7.5°	9488.8
10°	9303.2
12.5°	9146.3
15°	9005.1
17.5°	8664.2
20°	8180.6
22.5°	7137.2
25°	5927.3
27.5°	5159.8
30°	4003.9
32.5°	2586.3
35°	1341.5
37.5°	724.7
40°	659.6
42.5°	654.9
45°	648.5
47.5°	634.3
50°	610.5
52.5°	583.5
55°	555.0
57.5°	523.3
60°	486.8
62.5°	445.6
65°	402.8
67.5°	355.2
70°	307.6
72.5°	260.1
75°	215.7
77.5°	169.7
80°	128.4
82.5°	90.4
85°	52.3
87.5°	20.6
90°	0.0



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— 0°-180°







(END OF REPORT)