

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: P774835

Luminaire Tested: LD6D95BD010-EU6DR7070959035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774835
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-EU6DR7070959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6635.5 lumens
Efficiency: N/A
Efficacy: 66.9 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

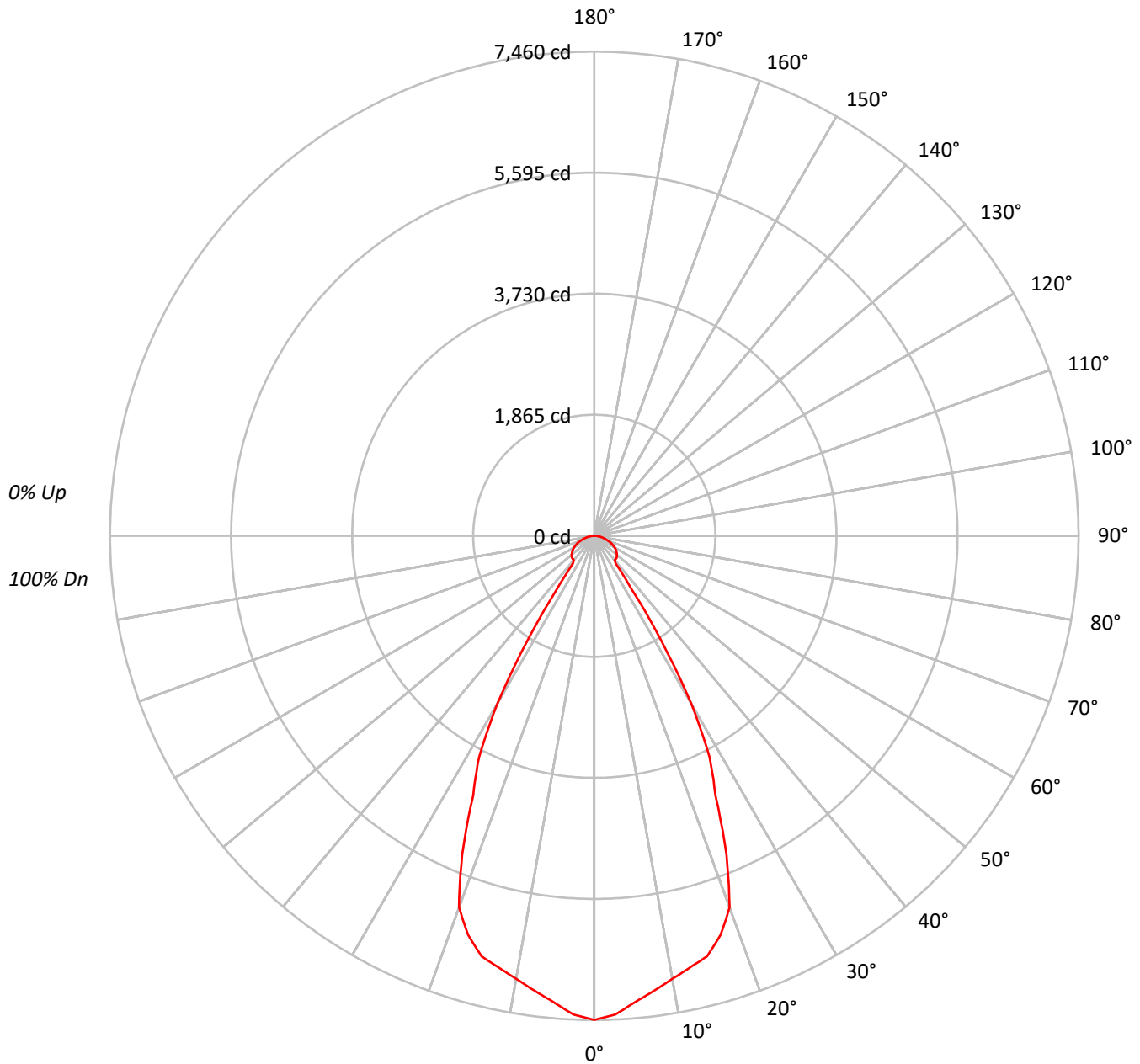


Downlight

TEST NUMBER: P774835

CATALOG NUMBER: LD6D95BD010-EU6DR7070959035-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P774835

CATALOG NUMBER: LD6D95BD010-EU6DR7070959035-6LBDP1B

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°	815096
5°	790878
10°	768836
15°	758753
20°	708520
25°	532266
30°	376270
35°	133289
40°	70088
45°	74648
50°	77290
55°	78749
60°	79236
65°	77560
70°	73188
75°	67797
80°	60215
85°	48891

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 79266 cd/sqm



TEST NUMBER: P774835

CATALOG NUMBER: LD6D95BD010-EU6DR7070959035-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.1	10.3
10°-20°	1865.6	28.1
20°-30°	2054.7	31.0
30°-40°	785.1	11.8
40°-50°	370.7	5.6
50°-60°	368.5	5.6
60°-70°	295.0	4.4
70°-80°	169.6	2.6
80°-90°	46.1	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°	4600.5	69.3
0°-40°	5385.5	81.2
0°-60°	6124.8	92.3
0°-90°	6635.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6635.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7460	
5°	7211	680
15°	6708	1866
25°	4415	2055
35°	999	785
45°	483	371
55°	413	369
65°	300	295
75°	161	170
85°	39	46
90°	0	



TEST NUMBER: P774835

CATALOG NUMBER: LD6D95BD010-EU6DR7070959035-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	7460.1
2.5°	7382.2
5°	7210.9
7.5°	7068.0
10°	6929.8
12.5°	6812.9
15°	6707.8
17.5°	6453.8
20°	6093.6
22.5°	5316.4
25°	4415.1
27.5°	3843.5
30°	2982.4
32.5°	1926.5
35°	999.3
37.5°	539.8
40°	491.4
42.5°	487.8
45°	483.1
47.5°	472.5
50°	454.7
52.5°	434.7
55°	413.4
57.5°	389.8
60°	362.6
62.5°	331.9
65°	300.0
67.5°	264.6
70°	229.1
72.5°	193.7
75°	160.6
77.5°	126.4
80°	95.7
82.5°	67.3
85°	39.0
87.5°	15.4
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)