

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: P774761

Luminaire Tested: LD6D95BD010-EU6DR6570959035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9675.6 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

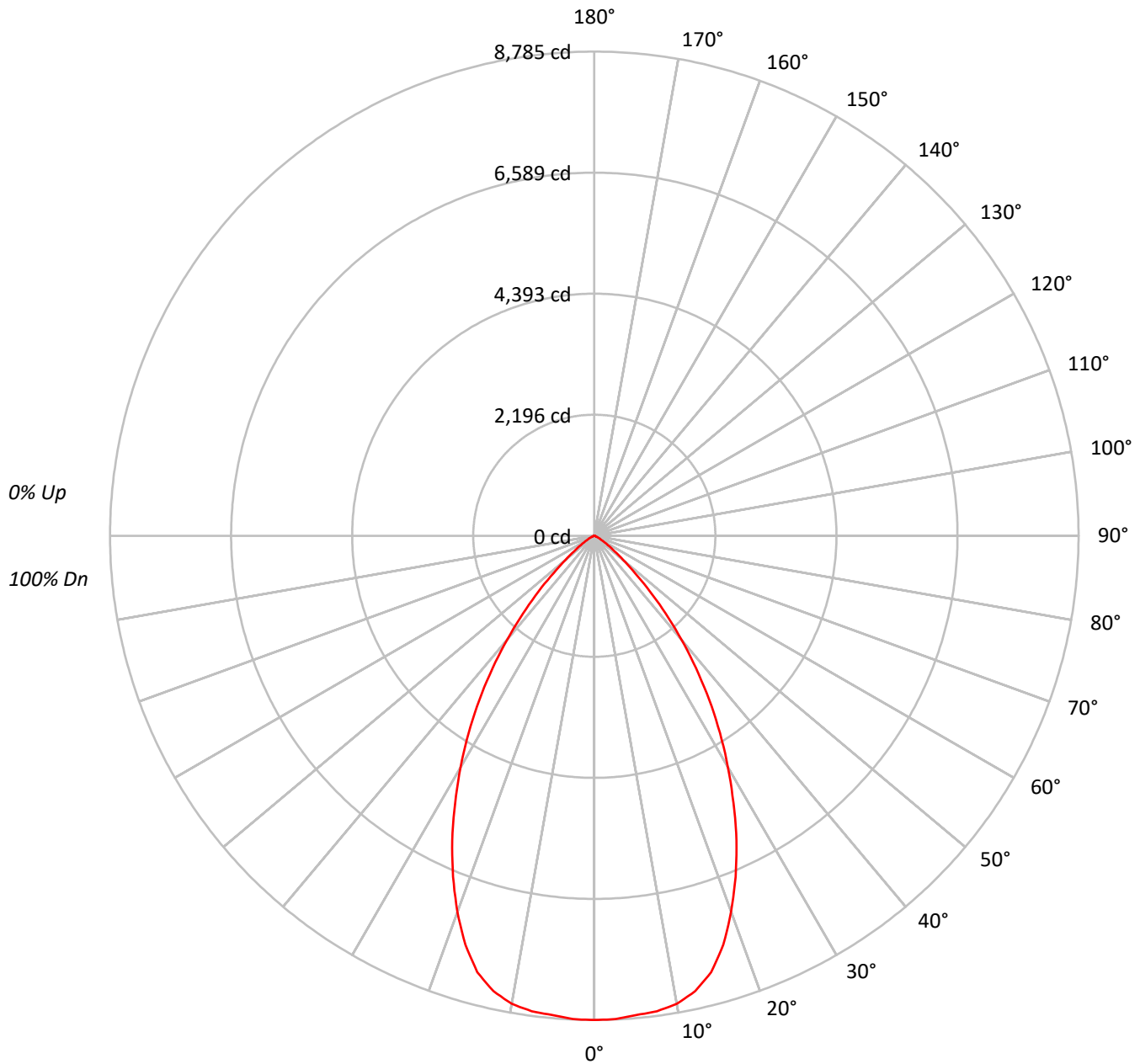


Downlight

TEST NUMBER: P774761

CATALOG NUMBER: LD6D95BD010-EU6DR6570959035-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P774761

CATALOG NUMBER: LD6D95BD010-EU6DR6570959035-6LBS1B

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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100				
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	97	95	94	93	93				
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85				
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78				
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72				
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66				
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61				
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56				
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52				
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49				
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	513090
5°	511796
10°	511356
15°	495594
20°	451175
25°	393171
30°	327012
35°	259104
40°	187011
45°	118145
50°	61585
55°	32736
60°	17194
65°	9453
70°	3962
75°	4378
80°	3027
85°	2613

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 118145 cd/sqm



TEST NUMBER: P774761

CATALOG NUMBER: LD6D95BD010-EU6DR6570959035-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	830.8	8.6
10°-20°	2275.0	23.5
20°-30°	2780.9	28.7
30°-40°	2256.3	23.3
40°-50°	1124.4	11.6
50°-60°	313.6	3.2
60°-70°	71.3	0.7
70°-80°	18.5	0.2
80°-90°	4.8	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°	5886.7	60.8
0°-40°	8143.1	84.2
0°-60°	9581.1	99.0
0°-90°	9675.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9675.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8785	
5°	8730	831
15°	8196	2275
25°	6101	2781
35°	3634	2256
45°	1430	1124
55°	322	314
65°	68	71
75°	19	19
85°	4	5
90°	0	



TEST NUMBER: P774761

CATALOG NUMBER: LD6D95BD010-EU6DR6570959035-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	8785.2
2.5°	8778.7
5°	8729.7
7.5°	8701.3
10°	8622.5
12.5°	8462.5
15°	8196.5
17.5°	7780.8
20°	7259.2
22.5°	6696.4
25°	6101.2
27.5°	5464.8
30°	4849.0
32.5°	4240.9
35°	3634.1
37.5°	3028.7
40°	2452.9
42.5°	1913.3
45°	1430.4
47.5°	996.6
50°	677.8
52.5°	467.3
55°	321.5
57.5°	216.9
60°	147.2
62.5°	102.0
65°	68.4
67.5°	34.9
70°	23.2
72.5°	21.9
75°	19.4
77.5°	12.9
80°	9.0
82.5°	6.5
85°	3.9
87.5°	2.6
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)