

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: P757775

Luminaire Tested: LD6D02D010-EU6DR700210IC9030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P757775
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: LD6D02D010-EU6DR700210IC9030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 285.8 lumens
Efficiency: N/A
Efficacy: 56.0 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): 5.1
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



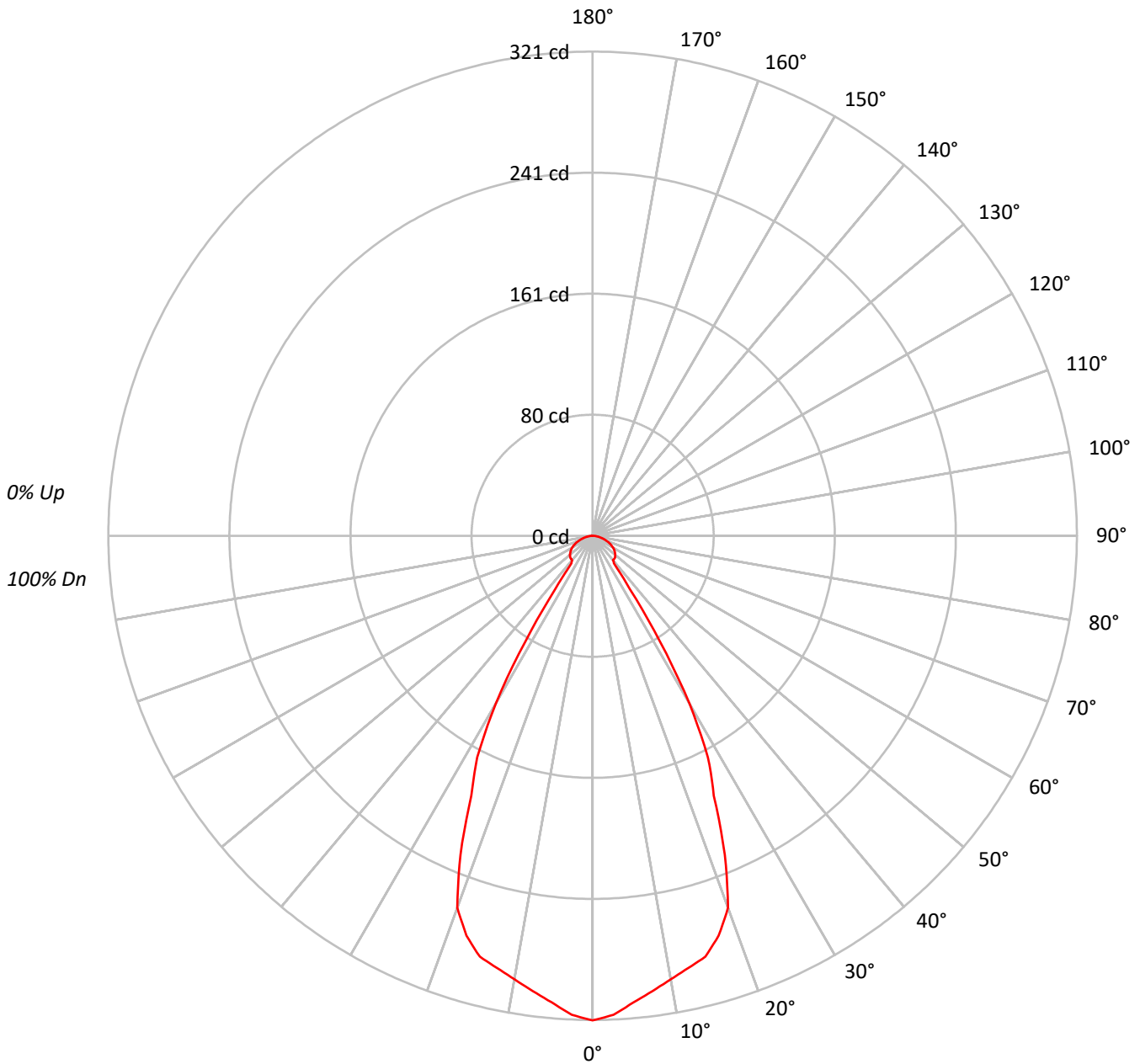
Downlight



TEST NUMBER: P757775

CATALOG NUMBER: LD6D02D010-EU6DR700210IC9030-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P757775

CATALOG NUMBER: LD6D02D010-EU6DR700210IC9030-6LBDP1MW

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			
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°	35105
5°	34055
10°	33117
15°	32679
20°	30510
25°	22930
30°	16212
35°	5735
40°	3009
45°	3214
50°	3332
55°	3391
60°	3409
65°	3335
70°	3163
75°	2913
80°	2580
85°	2131

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 3416 cd/sqm



TEST NUMBER: P757775

CATALOG NUMBER: LD6D02D010-EU6DR700210IC9030-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	10.2
10°-20°	80.3	28.1
20°-30°	88.5	31.0
30°-40°	33.8	11.8
40°-50°	15.9	5.6
50°-60°	15.9	5.6
60°-70°	12.7	4.4
70°-80°	7.3	2.6
80°-90°	2.0	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°	198.1	69.3
0°-40°	232.0	81.2
0°-60°	263.8	92.3
0°-90°	285.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	321	
5°	310	29
15°	289	80
25°	190	88
35°	43	34
45°	21	16
55°	18	16
65°	13	13
75°	7	7
85°	2	2
90°	0	



TEST NUMBER: P757775

CATALOG NUMBER: LD6D02D010-EU6DR700210IC9030-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	321.3
2.5°	317.9
5°	310.5
7.5°	304.4
10°	298.5
12.5°	293.4
15°	288.9
17.5°	277.9
20°	262.4
22.5°	229.0
25°	190.2
27.5°	165.5
30°	128.5
32.5°	83.0
35°	43.0
37.5°	23.3
40°	21.1
42.5°	21.0
45°	20.8
47.5°	20.3
50°	19.6
52.5°	18.7
55°	17.8
57.5°	16.8
60°	15.6
62.5°	14.3
65°	12.9
67.5°	11.4
70°	9.9
72.5°	8.4
75°	6.9
77.5°	5.4
80°	4.1
82.5°	2.9
85°	1.7
87.5°	0.7
90°	0.0

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

Scaled Data Report



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



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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)