

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: P758762

Luminaire Tested: LD6D05D010-EU6DR700210IC9024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P758762
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: LD6D05D010-EU6DR700210IC9024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 611.0 lumens
Efficiency: N/A
Efficacy: 81.5 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): 7.5
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



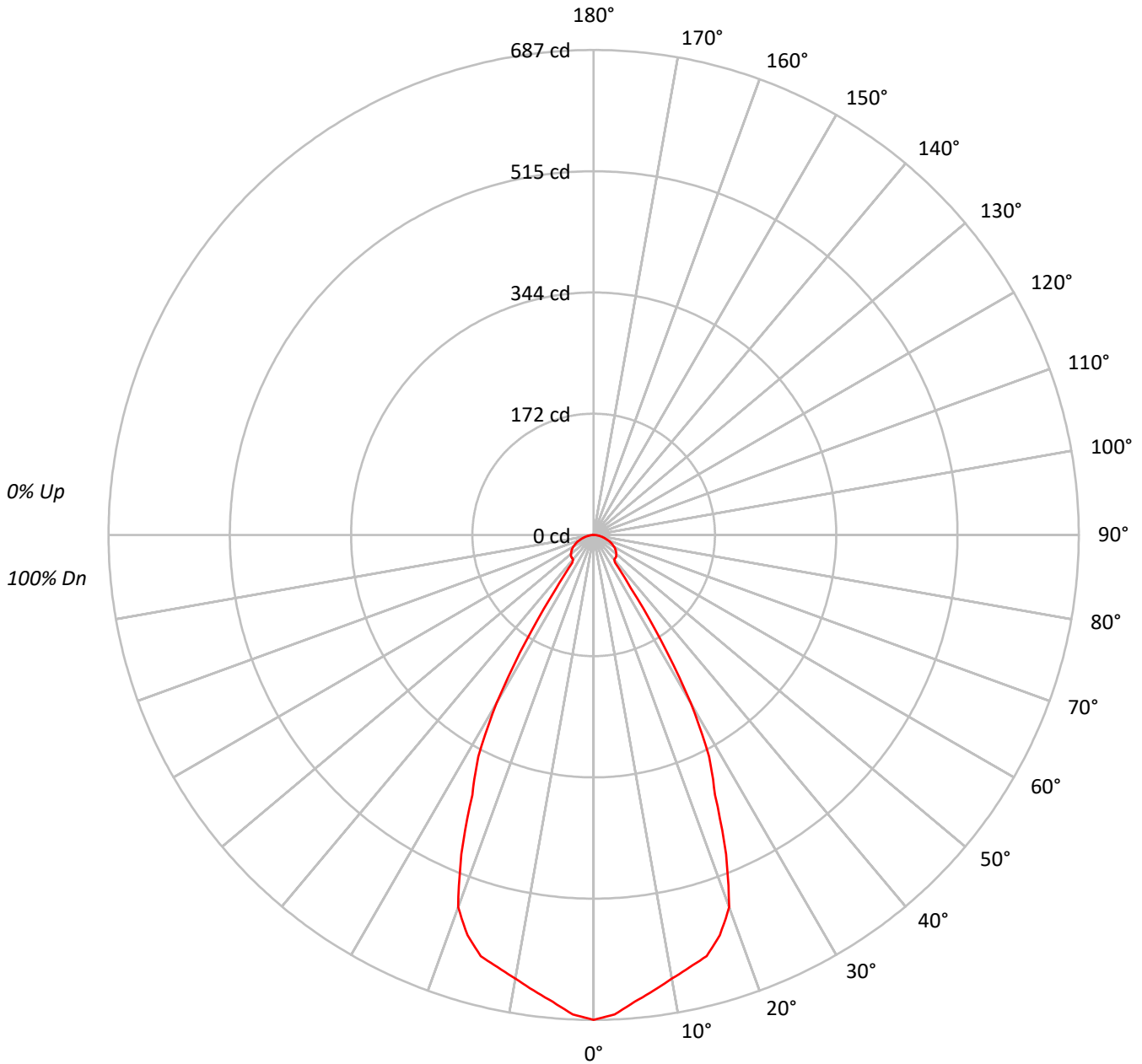
Downlight



TEST NUMBER: P758762

CATALOG NUMBER: LD6D05D010-EU6DR700210IC9024-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P758762

CATALOG NUMBER: LD6D05D010-EU6DR700210IC9024-6LBDP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	88	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°	75062
5°	72826
10°	70806
15°	69871
20°	65241
25°	49018
30°	34644
35°	12271
40°	6461
45°	6876
50°	7122
55°	7239
60°	7299
65°	7136
70°	6741
75°	6248
80°	5537
85°	4513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 7300 cd/sqm



TEST NUMBER: P758762

CATALOG NUMBER: LD6D05D010-EU6DR700210IC9024-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	10.3
10°-20°	171.8	28.1
20°-30°	189.2	31.0
30°-40°	72.3	11.8
40°-50°	34.1	5.6
50°-60°	33.9	5.6
60°-70°	27.2	4.4
70°-80°	15.6	2.6
80°-90°	4.2	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°	423.6	69.3
0°-40°	495.9	81.2
0°-60°	564.0	92.3
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	687	
5°	664	63
15°	618	172
25°	407	189
35°	92	72
45°	44	34
55°	38	34
65°	28	27
75°	15	16
85°	4	4
90°	0	



TEST NUMBER: P758762

CATALOG NUMBER: LD6D05D010-EU6DR700210IC9024-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	687.0
2.5°	679.8
5°	664.0
7.5°	650.9
10°	638.2
12.5°	627.4
15°	617.7
17.5°	594.3
20°	561.1
22.5°	489.6
25°	406.6
27.5°	353.9
30°	274.6
32.5°	177.4
35°	92.0
37.5°	49.7
40°	45.3
42.5°	44.9
45°	44.5
47.5°	43.5
50°	41.9
52.5°	40.0
55°	38.0
57.5°	35.9
60°	33.4
62.5°	30.5
65°	27.6
67.5°	24.4
70°	21.1
72.5°	17.8
75°	14.8
77.5°	11.6
80°	8.8
82.5°	6.2
85°	3.6
87.5°	1.4
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)