

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: P740722

Luminaire Tested: LD4D05D010-EU4DR700210IC9030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P740722
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: LD4D05D010-EU4DR700210IC9030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 373.2 lumens
Efficiency: N/A
Efficacy: 49.8 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): 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



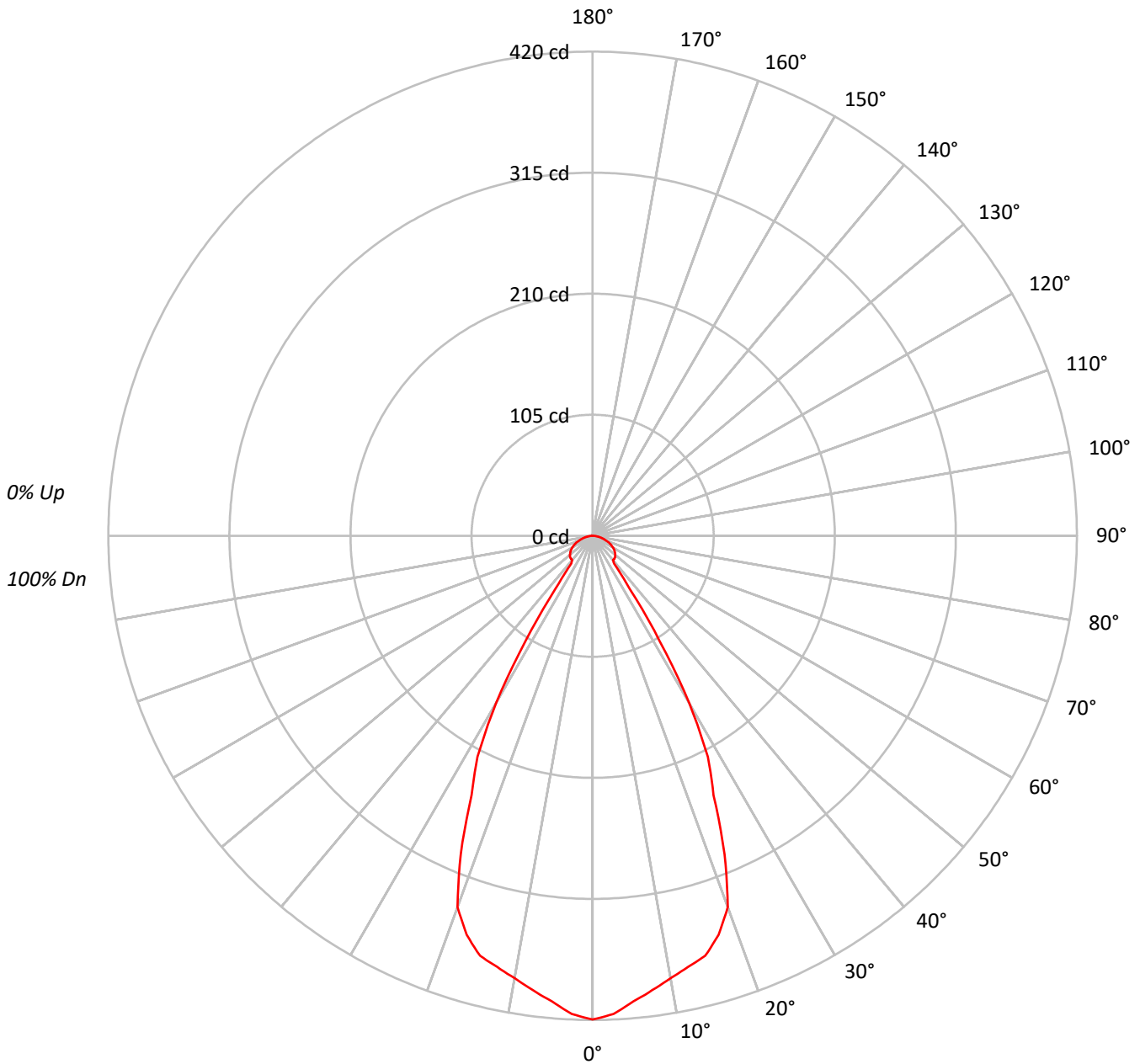
Downlight



TEST NUMBER: P740722

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9030-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P740722

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9030-4LBDP1B

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	68	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°	45846
5°	44474
10°	43236
15°	42667
20°	39847
25°	29934
30°	21158
35°	7496
40°	3937
45°	4203
50°	4351
55°	4438
60°	4458
65°	4343
70°	4121
75°	3842
80°	3398
85°	2758

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 4458 cd/sqm



TEST NUMBER: P740722

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9030-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	10.2
10°-20°	104.9	28.1
20°-30°	115.6	31.0
30°-40°	44.1	11.8
40°-50°	20.9	5.6
50°-60°	20.7	5.6
60°-70°	16.6	4.4
70°-80°	9.6	2.6
80°-90°	2.6	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°	258.7	69.3
0°-40°	302.9	81.1
0°-60°	344.5	92.3
0°-90°	373.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	406	38
15°	377	105
25°	248	116
35°	56	44
45°	27	21
55°	23	21
65°	17	17
75°	9	10
85°	2	3
90°	0	



TEST NUMBER: P740722

CATALOG NUMBER: LD4D05D010-EU4DR700210IC9030-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	419.6
2.5°	415.2
5°	405.5
7.5°	397.5
10°	389.7
12.5°	383.1
15°	377.2
17.5°	363.0
20°	342.7
22.5°	299.0
25°	248.3
27.5°	216.2
30°	167.7
32.5°	108.3
35°	56.2
37.5°	30.4
40°	27.6
42.5°	27.4
45°	27.2
47.5°	26.6
50°	25.6
52.5°	24.5
55°	23.3
57.5°	21.9
60°	20.4
62.5°	18.7
65°	16.8
67.5°	14.9
70°	12.9
72.5°	10.9
75°	9.1
77.5°	7.1
80°	5.4
82.5°	3.8
85°	2.2
87.5°	0.9
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)